

Dystrybutor w Polsce:

VERVO

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Data sheet



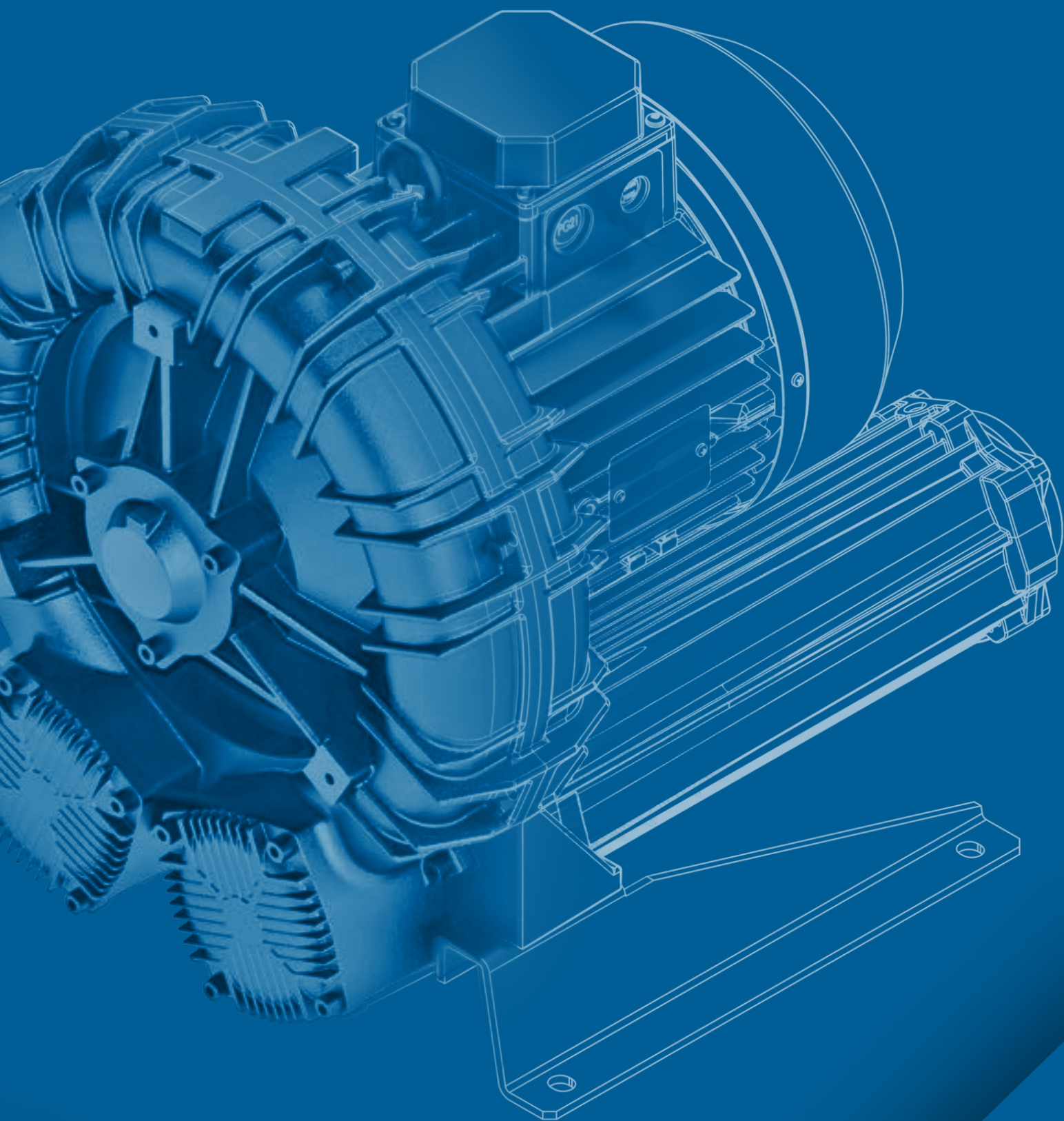
c **UL**[®] **US**



Your partner in Blower Technology

Data sheet





The Company

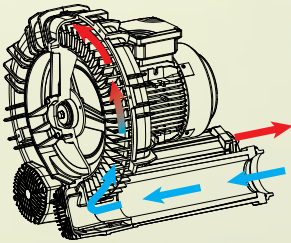
FPZ is an Italian multinational company that manufactures **Side Channel Blowers** to move air, technical gases, methane and biogas in compression and aspiration systems.

The company operates on the international market with 8 subsidiaries around the world and a global network of agents and distributors in more than 70 countries. FPZ's mission is to offer a wide range of blowers and accessories that can be used in several industrial sectors and to ensure excellent standards of reliability and on-time deliveries.

The two key concepts at FPZ are customer service and customisation of products. The company combines a before and after-sales service that is customer-centred and a flexible manufacturing process that meets the needs of the different markets. The goal of FPZ is to develop and guarantee technically advanced machines by applying the lean manufacturing method, which ensures defect-free, top-quality products and punctual services.

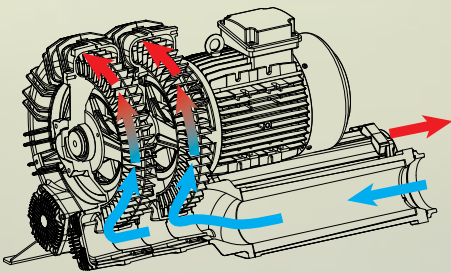


Side Channel Blowers



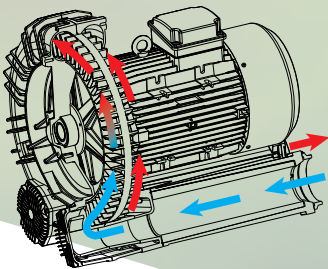
MS

Single impeller single stage



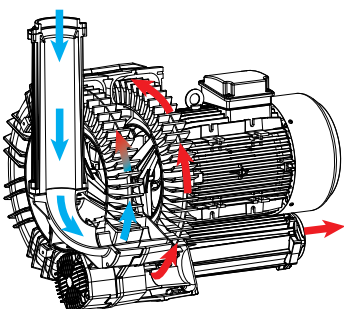
TS

Twin impeller single stage



MD

Single impeller double stage



TD

Twin impeller double stage

Installation

- For the machine to operate properly, it must have an intake filter and a vacuum/pressure relief valve
- Other accessories are available upon request
- Room and suction fluid temperature from -15°C to + 40°C

Model arrangements

A Side Channel Blower can cover a wide range of flow/pressure combinations. The maximum flow rate that can be treated is 2400 m³/h while the relative pressure range goes from -450 mbar (vacuum) to +650 mbar (pressure). Thanks to the blower's modular features, this performance is achieved by combining the blower in different settings.

- **MS**: two channels arranged parallel to each other
- **MD**: two channels arranged sequentially

The acronyms MS and MD mean that the blower has one impeller (**M – mono**) and the compression is obtained through one (**S – single**) or two (**D – double**) transitions via the base module (**single channel**). There are two double-impeller models available:

- **TS**: two MS blowers arranged parallel to each other
- **TD**: two MS blowers arranged sequentially

The acronyms TS and TD mean that the blower has two impellers (**T – twin**) and the compression is obtained through a (**S – single**) or two (**D – double**) transitions via the base module (MS). The diagram on the left summarises the configurations available.

FPZ Green

FPZ's product range now offers solutions that ensure better performance, efficiency and reliability. This is the best you can have in order to achieve significant energy saving.

Energy Efficiency of Electric Motors

In recent years the consumption of electricity in developed countries has increased significantly. FPZ is always on the cutting edge of technological innovation and environmental protection, and for these reasons, its Monobloc

product features, as standard, high efficiency requirements such as:

- IE2 / IE3: High efficiency for power above 0.37 kW
- IE3 Nema Premium: for electric motors intended for the Canadian and US markets

IE3 Wide Range

IE3 Wide Range - cURus

All FPZ blowers come equipped with IE3 motors, designed and manufactured according to the directive Ecodesign 2009/125/CE (CE n.640/2009 and UE n. 4/2014) and according to (including future variants) EN 60034-30-1, EN 60034-2-1. These Motors are also designed to perform safely under a wide range of voltages (Wide Range). The IE3 motors also comply to the cURus standard or certification for the Canadian and USA market, according to the electric rotating machinery safety norms. *UL 1004-1 e C22.2 N.100-04*



IE3 NEMA Premium

IE3 Wide Range - cURus

Electric motors (both closed or open to be used on machinery) for sale on the Canadian or USA market, produced after 1 June 2016, are required to be certified for energy efficiency IE3 Nema Premium (Rated power between 1 HP and 500 HP).



(Federal Register/Vol. 79, No.103 / Thursday, May 29, 2014/Rules and Regulations (page 31010 et seq) © U.S. Government publishing office)



Side Channel Blowers

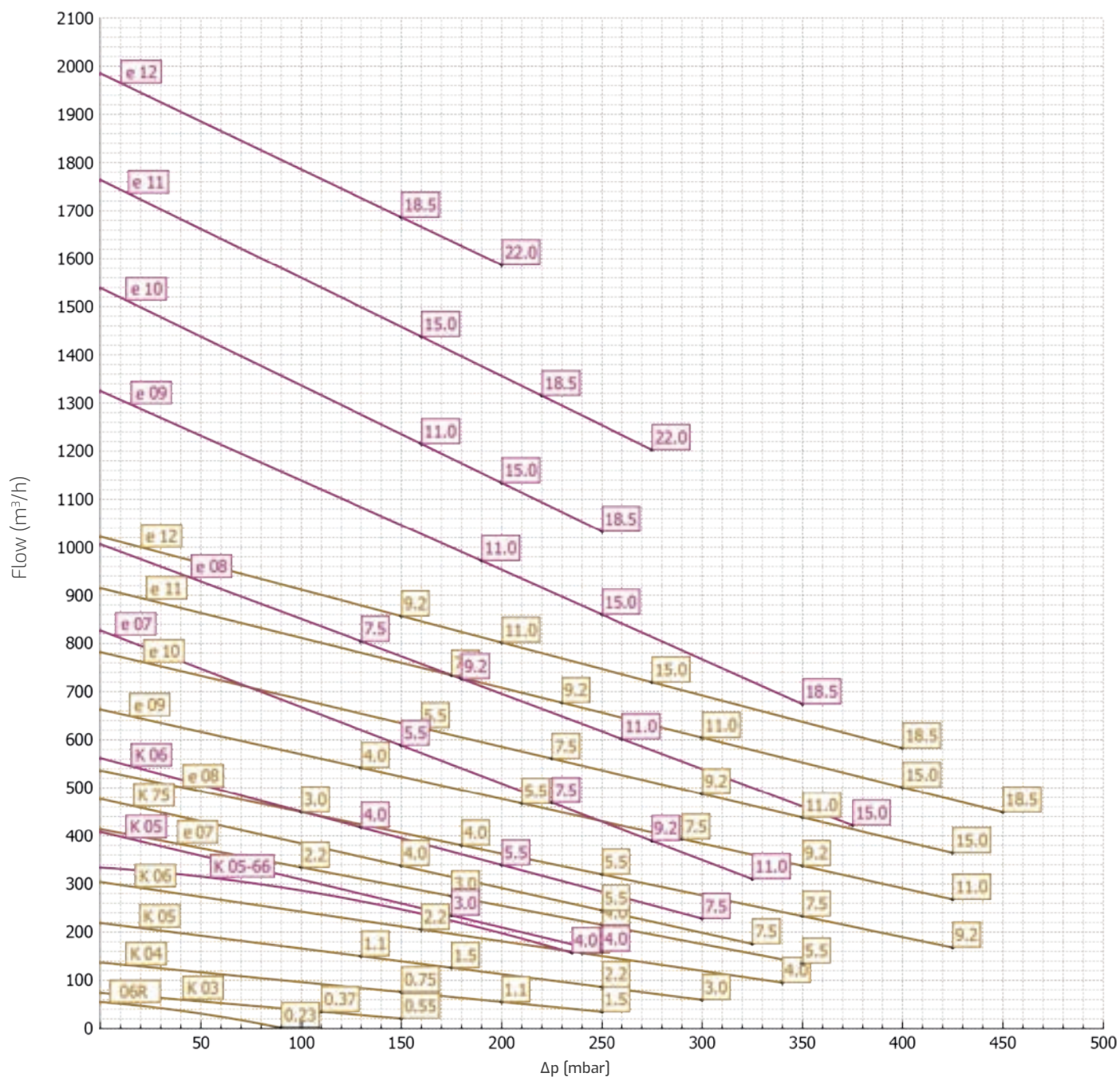
	Type	Flow Installed motor size																
		Max. flow		+ 50 hPa (mbar)		+ 100 hPa (mbar)		+ 150 hPa (mbar)		+ 200 hPa (mbar)		+ 250 hPa (mbar)		+ 300 hPa (mbar)		+ 350 hPa (mbar)		
		m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	
MS	06R MS	55.0	0.20	30.8	0.20													
	K03 MS	74.0	0.37	56.2	0.37	38.4	0.37	20.7	0.55									
	K04 MS	137.0	0.75	116.6	0.75	96.2	0.75	75.7	0.75	55.2	1.10	34.6	1.50					
	K05 MS	219.0	1.10	192.5	1.10	166.0	1.10	139.4	1.50	112.8	2.20	86.2	2.20	59.5	3.00			
	K06 MS	304.0	2.20	273.2	2.20	242.4	2.20	211.7	2.20	181.0	3.00	150.3	4.00	119.6	4.00	95.1	4.00	
	e07 MS	429	2.20	390	2.20	353	2.20	317	3.00	282	4.00	249	4.00	217	5.50	187	5.50	
	K75 MS	477.0	4.00	430.6	4.00	384.1	4.00	337.7	4.00	291.4	5.50	245.0	5.50	198.7	7.50			
	e08 MS	561	3.00	519	3.00	478	3.00	438	4.00	399	5.50	360	5.50	322	7.50	284	7.50	
	e09 MS	643	4.00	622	4.00	572	4.00	523	5.50	475	5.00	428	7.50	382	7.50	337	9.20	
	e10 MS	823	5.50	772	5.50	721	5.50	669	5.50	616	7.50	562	9.20	508	9.20	452	11.00	
	e11 MS	944	7.50	895	7.50	847	7.50	799	7.50	752	9.20	706	11.00	660	11.00	615	15.00	
	e12 MS	1212	9.20	959	9.20	906	9.20	854	9.20	801	11.00	749	15.00	697	15.00	645	15.00	
TS	K05 TS	408.0	3.00	358.6	3.00	309.1	3.00	259.5	3.00	209.7	4.00	159.8	4.00					
	K05-66 TS	334.0	4.00	315.3	4.00	286.3	4.00	247.1	4.00	197.8	4.00							
	K06 TS	562.0	4.00	506.3	4.00	450.7	4.00	395.0	5.50	339.4	5.50	283.8	7.50	228.2	7.50			
	e07 TS	830	5.50	750	5.50	672	5.50	595	5.50	520	7.50	446	9.20	374	11.00			
	e08 TS	1012	7.50	957	7.50	901	7.50	843	9.20	784	11.00	723	11.00	661	15.00	598	15.00	
	e09 TS	1326	11.00	1233	11.00	1139	11.00	1046	11.00	953	11.00	860	15.00	767	15.00	674	18.50	
	e10 TS	1579	11.00	1463	11.00	1350	11.00	1241	11.00	1134	15.00	1031	18.50					
	e11 TS	1856	15.00	1742	15.00	1636	15.00	1537	15.00	1445	18.50	1360	22.00					
	e12 TS	2106	15.00	1966	15.0	1834	15.00	1711	15.00	1596	18.50	1489	22.00					
MD	15DH MD	50.0	0.55	42.9	0.55	37.2	0.55	31.3	0.55	25.4	0.55	19.6	0.55	14.2	0.55			
	R20 MD	60.0	0.75	52.1	0.75	44.5	0.75	37.4	0.75	30.6	0.75	24.2	0.75	18.1	0.75	12.5	1.10	
	R30 MD	91.0	1.10	80.9	1.10	71.4	1.10	62.5	1.10	54.1	1.10	46.2	1.10	38.9	1.10	32.2	1.50	
	R40 MD	117.0	2.20	107.6	2.20	98.5	2.20	89.7	2.20	81.1	2.20	72.9	2.20	64.9	2.20	57.1	2.20	
	e07 MD	209	3.00	197	3.00	186	3.00	175	3.00	164	3.00	153	3.00	143	3.00	133	3.00	
	e08 MD	255	4.00	245	4.00	235	4.00	225	4.00	215	4.00	206	4.00	197	4.00	188	4.00	
	e09 MD	325	5.50	310	5.50	296	5.50	282	5.50	269	5.50	257	5.50	246	5.50	236	5.50	
	e10 MD	395	7.50	378	7.50	362	7.50	347	7.50	332	7.50	318	7.50	305	7.50	293	7.50	
	e11 MD	458	7.50	440	7.50	423	7.50	406	7.50	390	7.50	374	7.50	359	7.50	344	7.50	
	e12 MD	521	9.20	500	9.20	479	9.20	459	9.20	439	9.20	419	9.20	400	9.20	381	9.20	
TD	K04 TD	139.0	2.20	127.6	2.20	116.3	2.20	104.9	2.20	93.6	2.20	82.4	2.20	71.1	2.20	59.9	2.20	
	K05 TD	215.0	3.00	202.3	3.00	189.7	3.00	177.0	3.00	164.3	3.00	151.7	3.00	139.0	3.00	126.3	3.00	
	K06 TD	312.0	4.00	297.9	4.00	283.7	4.00	269.5	4.00	255.4	4.00	241.2	4.00	227.0	5.50	212.9	5.50	
	e07 TD	432	5.50	410	5.50	389	5.50	369	5.50	349	5.50	330	5.50	311	5.50	293	7.50	
	e08 TD	577	7.50	554	7.50	532	7.50	510	7.50	489	7.50	468	7.50	447	7.50	428	9.20	
	e09 TD	670	11.00	646	11.00	622	11.00	599	11.00	577	11.00	555	11.00	533	11.00	512	11.00	
	e10 TD	836	11.00	807	11.00	779	11.00	751	11.00	724	11.00	698	11.00	672	11.00	647	15.00	
	e11 TD	969	15.00	941	15.00	915	15.00	891	15.00	867	15.00	844	15.00	823	15.00	803	15.00	
	e12 TD	1046	15.00	1017	15.00	987	15.00	958	15.00	929	15.00	900	15.00	872	15.00	844	18.50	

													Δp max	Q @ Δp max	P @ Δp max
	+400 hPa (mbar)		+450 hPa (mbar)		+ 500 hPa (mbar)		+ 550 hPa (mbar)		+ 600 hPa (mbar)		+ 650 hPa (mbar)				
	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	mbar	m³/h	kW
													90	0	0.20
													150	20.7	0.55
													250	34.6	1.50
													300	59.5	3.00
													350	95.1	4.00
													300	187	5.50
													325	175.6	7.50
	248	9.20											425	230	9.20
	292	11.00											425	271	11.00
	396	15.00											425	368	15.00
	571	15.00	528	18.50									450	528	18.50
	593	18.50	542	18.50									450	542	18.50
													250	159.8	4.00
													235	157.3	4.00
													300	228.2	7.50
													325	339	11.00
													375	566	15.00
													375	628	18.50
													275	981	18.50
													275	1320	22.00
													250	1489	22.00
													300	14.2	0.55
	7.2	1.10											400	7.2	1.10
	26.0	1.50											425	23.1	1.50
	49.7	2.20	42.5	3.00	35.6	3.00							500	35.6	3.00
	124	3.00	114	3.00	105	4.00	96	4.00	88	5.50	80	5.50	650	80	5.50
	179	5.50	171	5.50	163	5.50	155	5.50	148	7.50	141	7.50	650	141	7.50
	226	5.50	217	7.50	209	7.50	202	7.50	196	7.50			600	196	7.50
	281	7.50	271	7.50	260	7.50	251	9.20	243	9.20	235	9.20	650	235	9.20
	329	9.20	315	9.20	301	9.20	288	11.00	275	11.00	263	11.00	650	263	11.00
	362	9.20	344	11.00	326	11.00	308	11.00	291	15.00	274	15.00	650	240	15.00
	48.7	2.20											400	48.7	2.20
	113.6	4.00	100.9	4.00									475	94.6	4.00
	198.7	5.50	184.5	7.50	170.3	7.50	156.1	7.50					550	156.1	7.50
	276	7.50	259	7.50	242	9.20	226	9.20					550	226	9.20
	408	9.20	389	11.00	371	11.00	353	11.00	336	15.00			600	336	15.00
	492	11.00	472	15.00	452	15.00	434	15.00	415	15.00			600	415	15.00
	622	15.00	597	15.00	573	18.50	550	18.50					550	550	18.50
	784	18.50	767	18.50									450	767	18.50
	816	18.50	789	22.00									450	789	22.00

Side Channel Blowers

MS TS

Compression **50Hz**



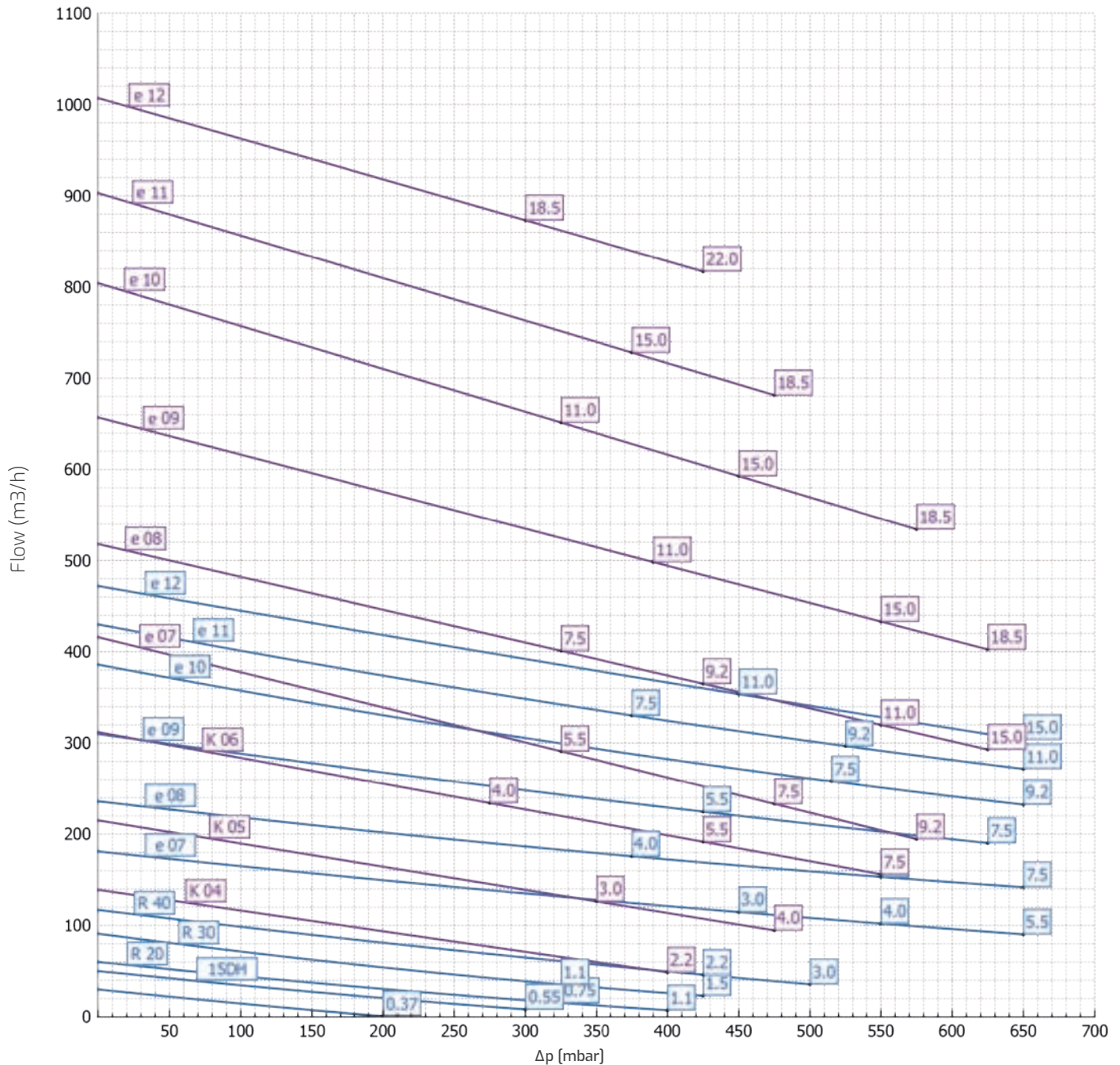
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Compression **50Hz**



Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

Side Channel Blowers

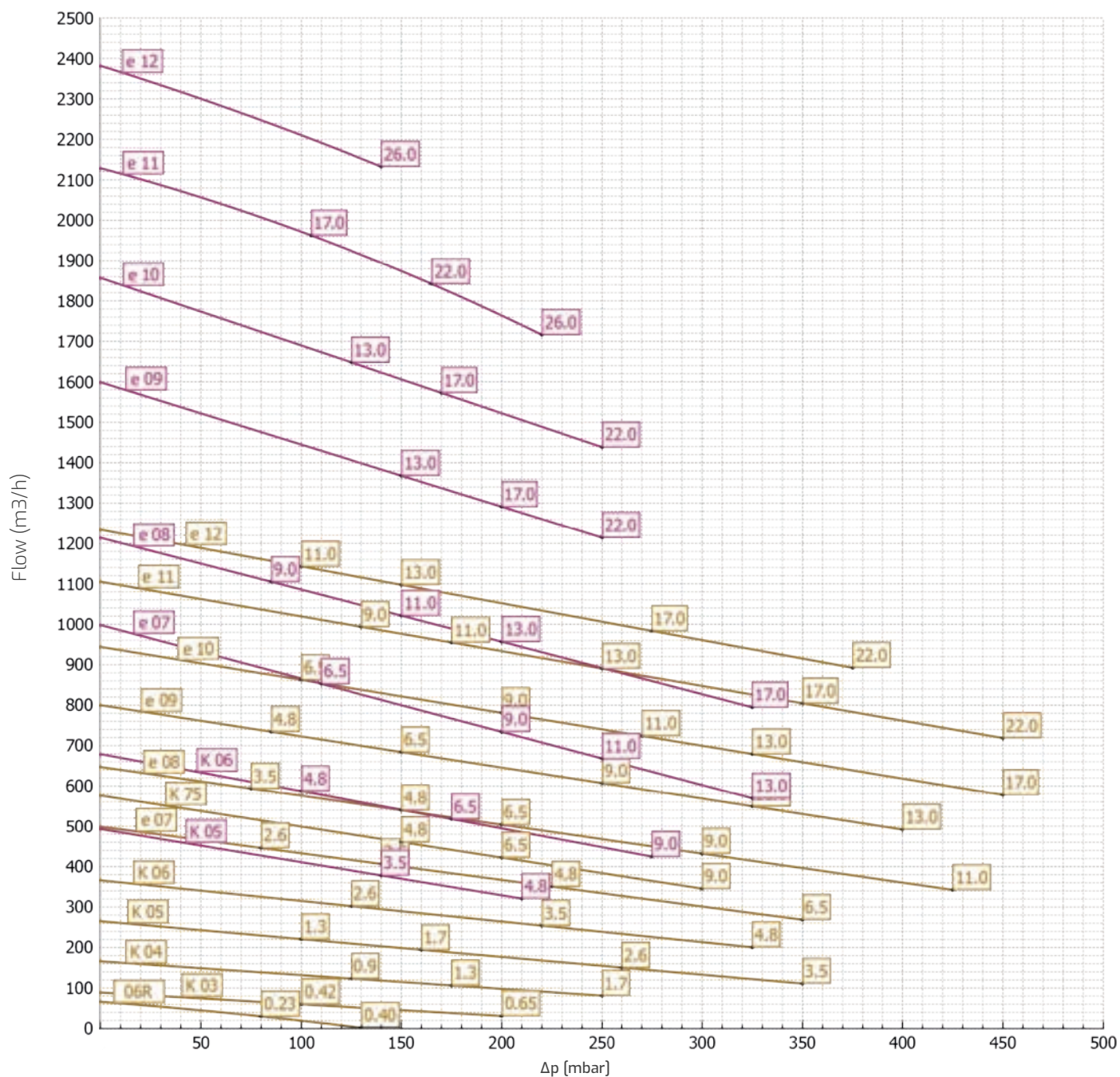
	Type	Flow Installed motor size															
		Max. flow		+ 50 hPa (mbar)		+ 100 hPa (mbar)		+ 150 hPa (mbar)		+ 200 hPa (mbar)		+ 250 hPa (mbar)		+ 300 hPa (mbar)		+ 350 hPa (mbar)	
		m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW
MS	06R MS	66	0.23	42.5	0.23	17.4	0.40										
	K03 MS	89	0.42	74.4	0.42	59.8	0.42	45.4	0.65	31.0	0.65						
	K04 MS	166	0.90	148.9	0.90	131.9	0.90	114.9	1.30	98.0	1.70	81.1	1.70				
	K05 MS	265	1.30	242.9	1.30	220.8	1.30	198.8	1.70	176.8	2.60	154.8	2.60	132.9	3.50	111.0	3.50
	K06 MS	366	2.60	340.5	2.60	315.1	2.60	289.7	3.50	264.2	3.50	238.8	4.80	213.4	4.80		
	e07 MS	517	2.20	484	2.20	451	3.00	420	4.00	389	5.50	359	5.50				
	K75 MS	576	4.80	537.5	4.80	499.1	4.80	460.7	4.80	422.3	6.50	383.9	9.00	345.5	9.00		
	e08 MS	677	3.00	641	3.00	605	4.00	570	5.50	536	7.50	502	7.50	468	7.50	435	9.20
	e09 MS	813	4.00	769	4.00	725	5.50	683	7.50	640	7.50	599	9.20	558	11.00	517	11.00
	e10 MS	993	5.50	950	5.50	906	7.50	861	9.20	817	9.20	771	11.00	726	15.00	679	15.00
	e11 MS	1140	7.50	1097	7.50	1055	7.50	1014	9.20	973	11.00	932	15.00	892	15.00	852	18.50
	e12 MS	1221	9.20	1175	9.20	1130	11.00	1085	15.00	1040	15.00	995	15.00	950	18.50		
TS	K05 TS	493	3.50	451.9	3.50	410.8	3.50	369.9	4.80	329.0	4.80						
	K06 TS	679	4.80	633.1	4.80	587.0	4.80	540.8	6.50	494.5	9.00	448.0	9.00				
	e07 TS	1002	5.50	933	5.50	865	7.50	798	7.50	732	9.20	667	11.00				
	e08 TS	1222	7.50	1174	7.50	1126	11.00	1078	15.00	1028	15.00	977	15.00				
	e09 TS	1600	11.00	1520	11.00	1440	11.00	1359	15.00	1279	15.00	1199	18.50				
	e10 TS	1906	11.00	1806	11.00	1707	15.00	1611	18.50	1517	18.50	1438.5	22.00				
	e11 TS	2240	15.00	2141	15.00	2047	18.50	1957	22.00								
	e12 TS	2542	15.00	2420	15.00	2304	15.50	2193	22.00								
MD	15DH MD	58	0.63	53.5	0.63	48.2	0.63	43.8	0.63	38.8	0.63	34.5	0.63				
	R20 MD	70	0.90	62.7	0.90	55.6	0.90	48.8	0.90	42.3	0.90	36.1	0.90	30.2	1.30	24.6	1.30
	R30 MD	110	1.30	101.8	1.30	93.9	1.30	86.3	1.30	78.9	1.30	71.8	1.30	65.0	1.30	58.4	1.70
	R40 MD	137	2.60	130.0	2.60	123.0	2.60	116.0	2.60	109.1	2.60	102.1	2.60	95.2	2.60	88.3	2.60
	e07 MD	252	3.00	242	3.00	232	3.00	223	3.00	213	3.00	204	3.00	194	4.00	185	4.00
	e08 MD	308	4.00	299	4.00	290	4.00	281	4.00	273	5.50	265	5.50	256	5.50	248	5.50
	e09 MD	393	5.50	379	5.50	367	5.50	355	5.50	343	5.50	332	5.50	321	7.50	311	7.50
	e10 MD	476	7.50	462	7.50	448	7.50	434	7.50	421	7.50	408	7.50	396	7.50	384	9.20
	e11 MD	553	7.50	537	7.50	523	7.50	508	7.50	493	7.50	479	9.20	465	9.20	452	11.00
	e12 MD	629	9.20	611	9.20	593	9.20	575	9.20	557	9.20	540	9.20	523	11.00	506	11.00
TD	K04 TD	168	2.60	158.7	2.60	149.4	2.60	140.1	2.60	130.7	2.60	121.4	2.60	112.1	2.60	102.7	2.60
	K05 TD	259	3.50	248.6	3.50	238.1	3.50	227.6	3.50	217.1	3.50	206.6	3.50	196.1	3.50	185.6	4.80
	K06 TD	376	4.80	364.2	4.80	352.5	4.80	340.7	4.80	329.0	4.80	317.2	6.50	305.4	6.50	293.7	6.50
	e07 TD	521	5.50	502	5.50	484	5.50	466	5.50	449	5.50	432	7.50	415	7.50	398	7.50
	e08 TD	696	7.50	677	7.50	657	7.50	638	7.50	619	9.20	601	9.20	583	11.00	565	11.00
	e09 TD	808	11.00	787	11.00	767	11.00	747	11.00	727	11.00	708	11.00	688	15.00	670	15.00
	e10 TD	1009	11.00	984	11.00	960	11.00	936	11.00	912	15.00	888	15.00	865	15.00	843	18.50
	e11 TD	1169	15.00	1146	15.00	1123	15.00	1101	15.00	1079	15.00	1059	18.50	1039	18.50		
	e12 TD	1263	15.00	1237	15.00	1212	15.00	1186	18.50	1161	18.50	1136	22.00	1112	22.00	1087	22.00

													Δp max	Q @ Δp max	P @ Δp max
	+400 hPa (mbar)		+450 hPa (mbar)		+ 500 hPa (mbar)		+ 550 hPa (mbar)		+ 600 hPa (mbar)		+ 650 hPa (mbar)				
	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	mbar	m³/h	kW
													130	0	0.40
													200	31	0.65
													250	81.1	1.70
													350	111	3.50
													325	200.7	4.80
													275	344	5.50
													300	345.5	9.00
	402	11.00											425	386	11.00
													350	517	11.00
	632	15.00											400	632	15.00
	813	18.50											425	794	18.50
													325	927	18.50
													210	320.9	4.80
													275	424.8	9.00
													250	667	11.00
													250	977	15.00
													275	1159	18.50
													200	1517	18.50
													175	1914	22.00
													175	2139	22.00
													275	31.8	0.63
	19.3	1.30	14.2	1.30									450	14.2	1.30
	52.2	1.70											425	49.1	1.70
	81.4	2.60	74.5	3.50	67.6	3.50							500	67.6	3.50
	176	4.00	168	5.50	159	5.50	151	5.50	143	5.50	135	5.50	650	135	5.50
	240	7.50	233	7.50	225	7.50	218	7.50					550	218	7.50
	301	7.50	292	7.50									450	292	7.50
	373	9.20	362	9.20									450	362	9.20
	439	11.00	425	11.00									450	425	11.00
	489	15.00	473	15.00	456	15.00	440	15.00	425	15.00			600	425	15.00
													350	102.7	2.60
	175.0	4.80											425	169.7	4.80
	281.9	9.00	270.2	9.00	258.4	9.00							525	252.6	9.00
	382	9.20	366	9.20									450	366	9.20
	547	15.00	530	15.00	513	15.00	496	15.00					550	496	15.00
	651	15.00	633	15.00	615	18.50	597	18.50	580	18.50			600	580	18.50
	820	18.50											400	820	18.50
													300	1039	18.50
													350	1087	22.00

Side Channel Blowers

MS TS

Compression **60Hz**



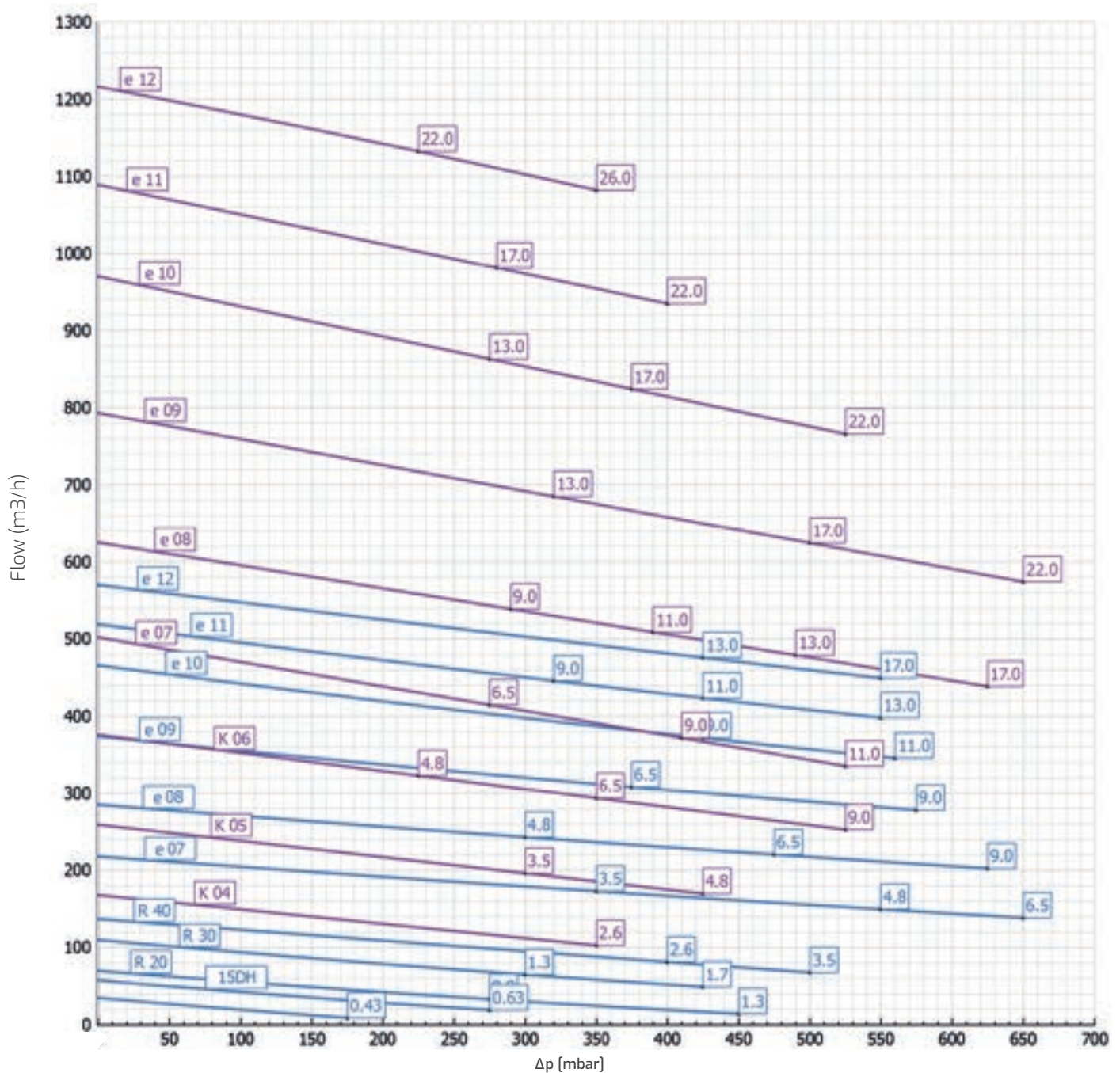
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Compression **60Hz**



Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

Side Channel Blowers

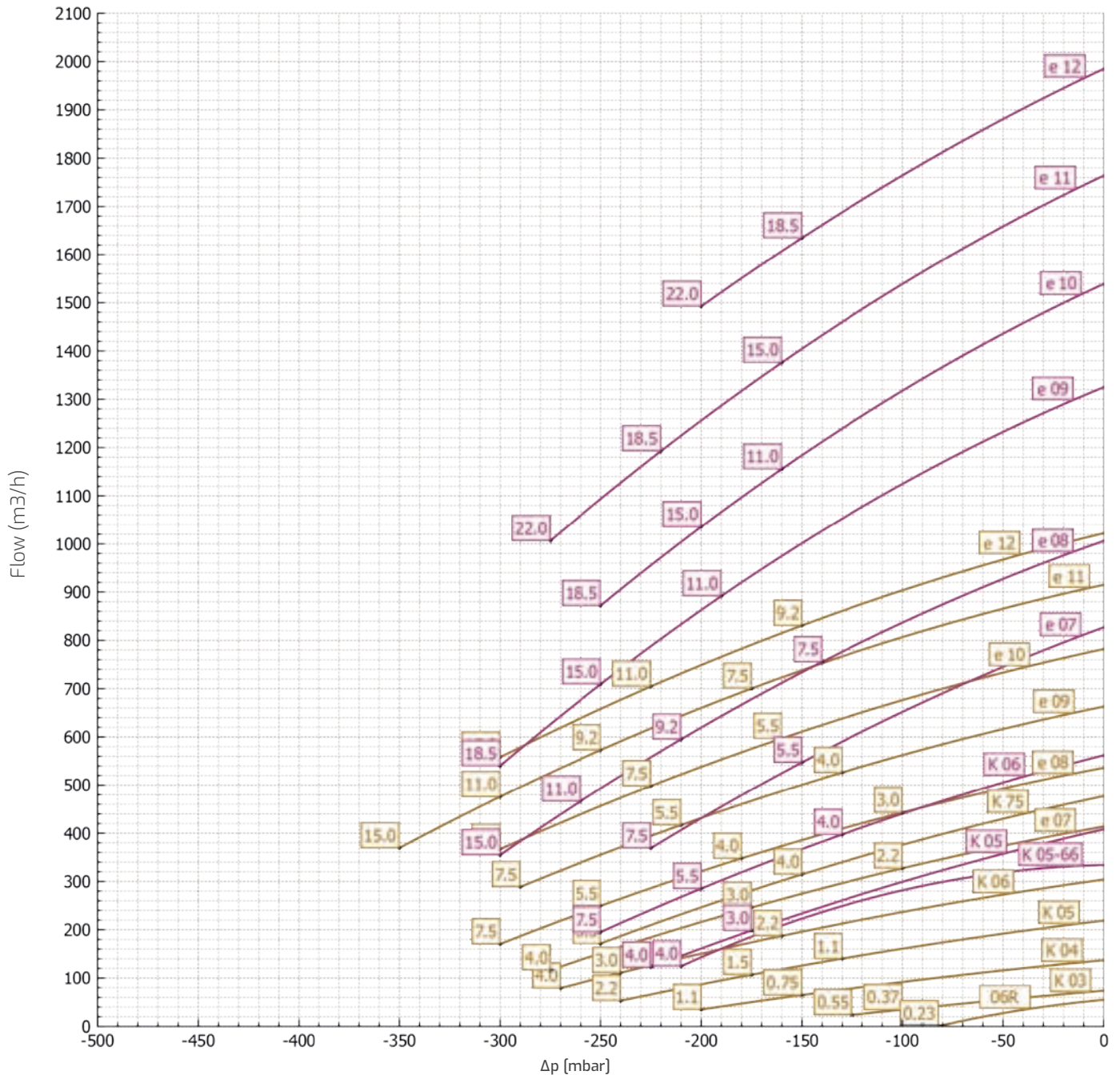
	Type	Flow Installed motor size																
		Max. flow		- 50 hPa (mbar)		- 100 hPa (mbar)		- 150 hPa (mbar)		- 200 hPa (mbar)		- 250 hPa (mbar)		- 300 hPa (mbar)		- 350 hPa (mbar)		
		m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	
MS	06R MS	55.0	0.20	29.7	0.20													
	K03 MS	74.0	0.37	55.1	0.37	34.7	0.37											
	K04 MS	137.0	0.75	115.9	0.75	91.8	0.75	64.8	0.75	34.9	1.10							
	K05 MS	219.0	1.10	191.8	1.10	160.7	1.10	125.8	1.50	87.0	2.20							
	K06 MS	304.0	2.20	272.6	2.20	236.6	2.20	195.9	2.20	150.5	3.00	100.5	4.00					
	e07 MS	429	2.20	388	2.20	345	2.20	301	3.00	254	4.00	204	4.00					
	K75 MS	477.0	4.00	429.9	4.00	375.7	4.00	314.5	4.00	246.4	5.50	171.2	5.50					
	e08 MS	561	3.00	517	3.00	468	3.00	415	4.00	360	5.50	300	5.50	238	7.50			
	e09 MS	673	4.00	621	4.00	562	4.00	497	5.50	428	5.50	353	7.50	273	7.50			
	e10 MS	823	5.50	771	5.50	713	5.50	645	5.50	567	7.50	480	9.20	383	9.20			
	e11 MS	944	7.50	892	7.50	841	7.50	782	7.50	715	0.20	640	9.20	557	11.00	466	15.00	
	e12 MS	1012	9.20	959	9.20	900	9.20	833	9.20	757	9.20	672	11.00	579	15.00			
TS	K05 TS	408.0	3.00	357.2	3.00	299.1	3.00	233.8	3.00	161.2	4.00							
	K05-66 TS	334.0	4.00	318.6	4.00	281.6	4.00	223.0	4.00	142.9	4.00							
	K06 TS	562.0	4.00	505.3	4.00	440.3	4.00	366.9	5.50	285.2	5.50	195.0	7.50					
	e07 TS	830	5.50	744	5.50	650	5.50	552	5.50	451	7.50							
	e08 TS	1012	7.50	948	7.50	883	7.50	808	9.20	722	9.20	625	11.00	518	15.00			
	e09 TS	1326	11.00	1229	11.00	1121	11.00	997	11.00	859	11.00	705	15.00	537	15.00			
	e10 TS	1579	11.00	1458	11.00	1337	11.00	1199	11.00	1044	15.00	873	18.50					
	e11 TS	1856	15.00	1734	15.00	1613	15.00	1485	15.00	1352	18.50	1212	18.50	1065	22.00			
	e12 TS	2106	15.00	1958	15.00	1806	15.00	1646	15.00	1478	18.50	1302	22.00					
MD	15DH MD	50.0	0.55	42.6	0.55	35.5	0.55	27.2	0.55	18.3	0.55	8.9	0.55					
	R20 MD	60.0	0.75	50.6	0.75	41.6	0.75	32.8	0.75	24.4	0.75	16.4	0.75	8.6	0.75			
	R30 MD	91.0	1.10	80.1	1.10	69.3	1.10	58.7	1.10	48.2	1.10	38.0	1.10	27.9	1.10	17.9	1.50	
	R40 MD	117.0	2.20	106.9	2.20	96.5	2.20	85.7	2.20	74.4	2.20	62.8	2.20	50.8	2.20	38.4	2.20	
	e07 MD	209	3.00	197	3.00	183	3.00	169	3.00	154	3.00	138	3.00	122	3.00	105	3.00	
	e08 MD	255	4.00	144	4.00	233	4.00	221	4.00	208	4.00	194	4.00	179	4.00	164	4.00	
	e09 MD	325	5.50	311	5.50	291	5.50	273	5.50	255	5.50	238	5.50	221	5.50	206	5.50	
	e10 MD	395	7.50	378	7.50	359	7.50	339	7.50	318	7.50	297	7.50	275	7.50	251	7.50	
	e11 MD	458	7.50	443	7.50	425	7.50	405	7.50	383	7.50	359	7.50	333	7.50	306	7.50	
	e12 MD	521	9.20	498	9.20	474	9.20	448	9.20	419	9.20	388	9.20	354	9.20	318	9.20	
TD	K04 TD	139.0	2.20	127.6	2.20	114.5	2.20	99.6	2.20	82.9	2.20	64.5	2.20					
	K05 TD	215.0	3.00	203.4	3.00	189.2	3.00	172.5	3.00	153.3	3.00	131.6	3.00	107.3	3.00	80.4	3.00	
	K06 TD	312.0	4.00	299.0	4.00	283.1	4.00	264.4	4.00	242.8	4.00	218.4	4.00	191.2	5.50	161.1	5.50	
	e07 TD	432	5.50	406	5.50	382	5.50	356	5.50	327	5.50	297	5.50	265	5.50	230	5.50	
	e08 TD	577	7.50	555	7.50	528	7.50	500	7.50	470	7.50	439	7.50	406	7.50	372	7.50	
	e09 TD	670	11.00	646	11.00	619	11.00	589	11.00	555	11.00	518	11.00	478	11.00	434	11.00	
	e10 TD	836	11.00	806	11.00	774	11.00	738	11.00	698	11.00	653	11.00	604	11.00	551	11.00	
	e11 TD	969	15.00	938	15.00	911	15.00	881	15.00	850	15.00	817	15.00	782	15.00	745	15.00	
	e12 TD	1046	15.00	1024	15.00	991	15.00	953	15.00	910	15.00	862	15.00	808	15.00	750	18.50	

					Δp max	Q @ Δp max	P @ Δp max
- 400 hPa (mbar)		- 450 hPa (mbar)					
	m³/h	kW	m³/h	kW	mbar	m³/h	kW
					- 82	0	0.20
					- 125	23.8	0.55
					- 200	34.9	1.10
					- 240	53.1	2.20
					- 270	79.2	4.00
					- 275	179	4.00
					- 250	171.2	5.50
					- 300	238	7.50
					- 300	273	7.50
					- 300	383	9.20
					- 350	466	15.00
					- 325	529	15.00
					- 225	122.2	4.00
					- 210	124.3	4.00
					- 250	195	7.50
					- 225	399	7.50
					- 300	518	15.00
					- 300	537	15.00
					- 275	781	18.50
					- 300	1065	22.00
					- 250	1302	22.00
					- 275	4.3	0.55
					- 300	8.6	0.75
					- 350	17.9	1.50
					- 350	38.4	2.20
	87	3.00	68	4.00	- 450	68	4.00
	148	4.00	131	5.50	- 450	131	5.50
	191	5.50			- 400	191	5.50
	227	7.50			- 400	227	7.50
	276.0	7.50			- 400	276	7.50
	279	9.20			- 400	279	9.20
					- 275	54.6	2.20
	51.0	4.00			- 400	51	4.00
	128.2	5.50			- 400	128.2	5.50
	194	7.50			- 400	194	7.50
	337	9.20			- 400	337	9.20
	388	11.00	337	11.00	- 450	337	11.00
	494	15.00	433	15.00	- 450	433	15.00
	706.0	15.00			- 400	706	15.00
	687	18.50			- 400	687	18.50

Side Channel Blowers

MS TS

Suction **50Hz**



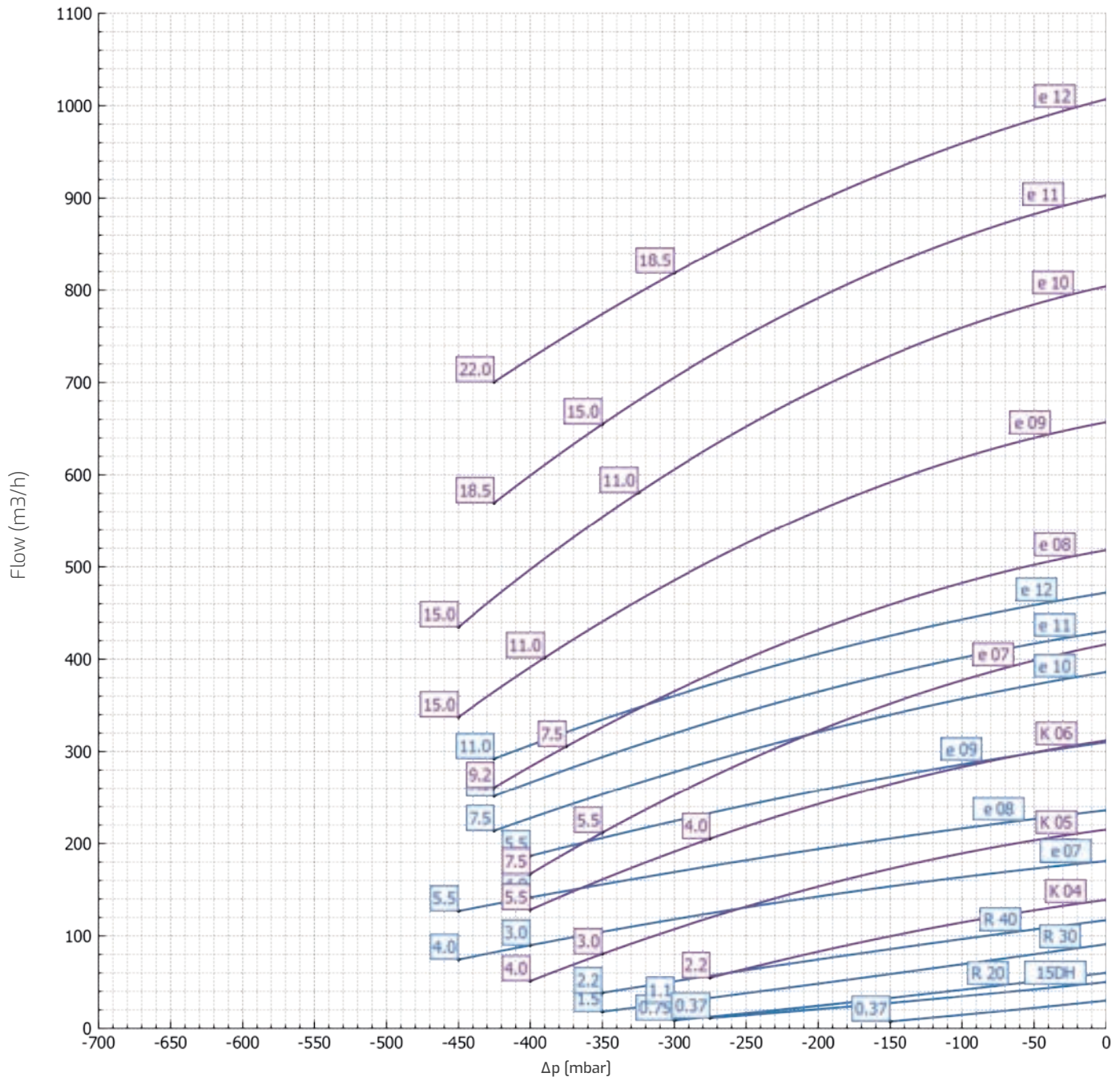
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Suction **50Hz**



Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

Side Channel Blowers

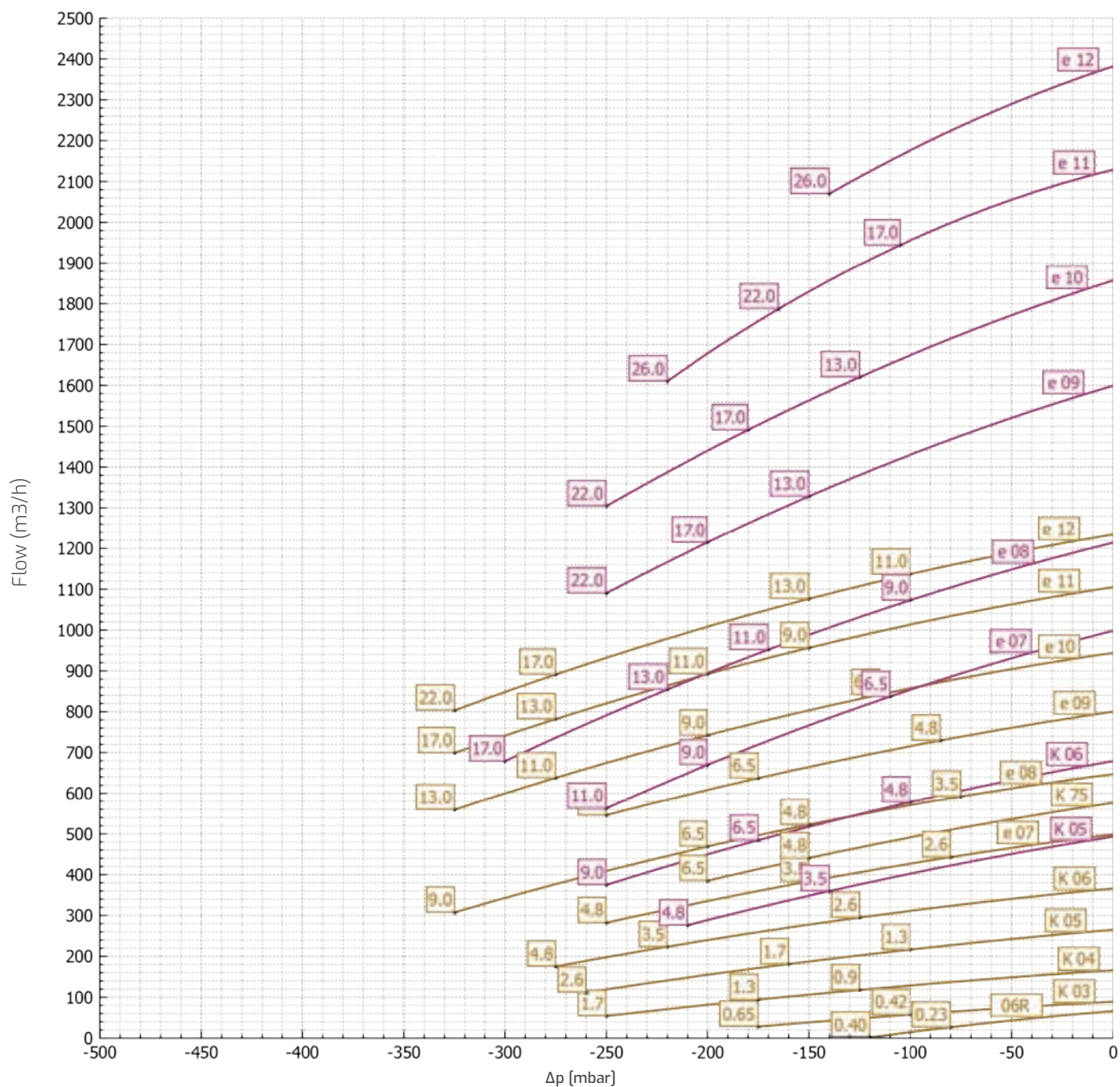
	Type	Flow Installed motor size																
		Max. flow		- 50 hPa (mbar)		- 100 hPa (mbar)		- 150 hPa (mbar)		- 200 hPa (mbar)		- 250 hPa (mbar)		- 300 hPa (mbar)		- 350 hPa (mbar)		
		m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	
MS	06R MS	66.0	0.23	43.6	0.23	15.7	0.40											
	K03 MS	89.0	0.42	74.3	0.42	57.4	0.42	38.3	0.65									
	K04 MS	166.0	0.90	148.6	0.90	128.6	0.90	106.2	1.30	81.4	1.70	54.0	1.70					
	K05 MS	265.0	1.30	242.4	1.30	216.5	1.30	187.3	1.70	154.9	2.60	119.2	2.60					
	K06 MS	366.0	2.60	340.7	2.60	311.2	2.60	277.6	3.50	239.8	3.50	197.9	4.80					
	e07 MS	517	2.20	479	2.20	439	3.00	397	4.00	354	5.50	309	5.50					
	K75 MS	576.0	4.80	536.4	4.80	491.3	4.80	440.8	4.80	384.9	6.50							
	e08 MS	677	3.00	635	3.00	590	4.00	541	5.50	491	5.50	437	7.50	381	7.50			
	e09 MS	813	4.00	764	4.00	708	5.50	650	7.50	587	7.50	520	9.20	450	9.20			
	e10 MS	993	5.50	944	5.50	891	7.50	831	7.50	764	9.20	689	11.00	607	11.00			
	e11 MS	1140	7.50	1088	7.50	1042	7.50	990	9.20	931	11.00	867	15.00	797	15.00	720	15.00	
	e12 MS	1221	9.20	1171	9.20	1117	9.20	1057	11.00	991	15.00	918	15.00	838	15.50			
TS	K05 TS	493.0	3.50	450.5	3.50	402.3	3.50	348.4	4.80	288.7	4.80							
	K06 TS	679.0	4.80	632.0	4.80	578.1	4.80	517.3	6.50	449.5	9.00	374.9	9.00					
	e07 TS	1002	5.50	921	5.50	832	7.50	741	7.50	647	9.20							
	e08 TS	1222	7.50	1159	7.50	1101	9.20	1034	11.00	959	15.00	877	15.00					
	e09 TS	1600	11.00	1509	11.00	1410	11.00	1300	11.00	1178	15.00	1045	18.50	901	18.50			
	e10 TS	1906	11.00	1788	11.00	1677	15.00	1554	15.00	1418	18.50							
	e11 TS	2240	15.00	2122	15.00	2009	15.00	1890	18.50	1767	22.00							
	e12 TS	2542	15.00	2401	15.00	2258	15.00	2109	18.50	1954	22.00							
MD	15DH MD	58.0	0.63	53.2	0.63	47.6	0.63	41.5	0.63	34.4	0.63	26.2	0.63					
	R20 MD	70.0	0.90	62.5	0.90	54.8	0.90	46.9	0.90	38.7	0.90	30.4	0.90	21.8	0.90	13.0	1.30	
	R30 MD	110.0	1.30	100.7	1.30	91.1	1.30	81.3	1.30	71.2	1.30	60.9	1.30	50.4	1.30	39.6	1.70	
	R40 MD	137.0	2.60	128.6	2.60	119.7	2.60	110.1	2.60	99.9	2.60	89.1	2.60	77.6	2.60	65.6	2.60	
	e07 MD	252	3.00	241	3.00	228	3.00	215	3.00	201	3.00	186	3.00	172	4.00	156	4.00	
	e08 MD	308	4.00	297	4.00	286	4.00	275	4.00	264	4.00	251	5.50	238	5.50	225	5.50	
	e09 MD	393	5.50	380	5.50	361	5.50	343	5.50	326	5.50	309	5.50	292	5.50	276	7.50	
	e10 MD	476	7.50	460	7.50	443	7.50	424	7.50	405	7.50	386	7.50	365	7.50	344	7.50	
	e11 MD	553	7.50	538	7.50	522	7.50	504	7.50	485	7.50	464	7.50	441	9.20	417	9.20	
	e12 MD	629	9.20	606	9.20	585	9.20	561	9.20	535	9.20	508	9.20	478	9.20	447	11.00	
TD	K05 TD	259.0	3.50	249.5	3.50	237.9	3.50	224.1	3.50	208.2	3.50	190.1	3.50	169.9	3.50	147.6	4.80	
	K06 TD	376.0	4.80	365.3	4.80	352.3	4.80	336.8	4.80	319.0	4.80	298.7	6.50	276.1	6.50	251.1	6.50	
	e07 TD	521	5.50	496	5.50	474	5.50	450	5.50	424	5.50	397	7.50	368	7.50	338	7.50	
	e08 TD	696	7.50	677	7.50	651	7.50	625	7.50	597	7.50	569	9.20	539	9.20	509	11.00	
	e09 TD	808	11.00	786	11.00	761	11.00	734	11.00	704	11.00	672	11.00	637	11.00	600	15.00	
	e10 TD	1009	11.00	980	11.00	951	11.00	919	11.00	883	11.00	844	15.00	802	11.00	757	11.00	
	e11 TD	1169	15.00	1139	15.00	1113	15.00	1086	15.00	1058	15.00	1028	15.00	996	15.00	964	18.50	
	e12 TD	1263	15.00	1244	15.00	1214	15.00	1180	15.00	1142	15.00	1101	18.50	1055	18.50	1006	22.00	

					Δp max	Q @ Δp max	P @ Δp max
-400 hPa (mbar)		- 450 hPa (mbar)					
	m³/h	kW	m³/h	kW	mbar	m³/h	kW
					- 120	0	0.40
					- 175	28	0.65
					- 250	54	1.70
					- 260	111.6	2.60
					- 275	175.3	4.80
					- 275	286	5.50
					- 200	384.9	6.50
					- 300	381	7.50
					- 300	450	9.20
					- 300	607	11.00
					- 350	720	15.00
					- 325	796	18.50
					- 210	276.1	4.80
					- 250	374.9	9.00
					- 225	599	9.20
					- 275	832	15.00
					- 300	901	18.50
					- 200	1418	18.50
					- 200	1767	22.00
					- 200	1954	22.00
					- 275	22.1	0.63
					- 350	13	1.30
					- 375	34.2	1.70
					- 375	59.3	2.60
	140	4.00	124	5.50	- 450	124	5.50
	211	5.50	196	7.50	- 450	197	7.50
	261	7.50			- 400	261	7.50
	322	9.20			- 400	322	9.20
	392.0	9.20			- 400	392	9.20
	414	11.00			- 400	414	11.00
	123.0	4.80			- 400	123	4.80
	223.7	9.00			- 400	223.7	9.00
	306	9.20			- 400	306	9.20
	477	11.00			- 400	477	11.00
	560	15.00	518	15.00	- 450	518	15.00
	709	18.50	658	18.50	- 450	658	18.50
	929	18.50			- 400	929	18.50
	953	22.00			- 400	953	22.00

Side Channel Blowers

MS TS

Suction **60Hz**



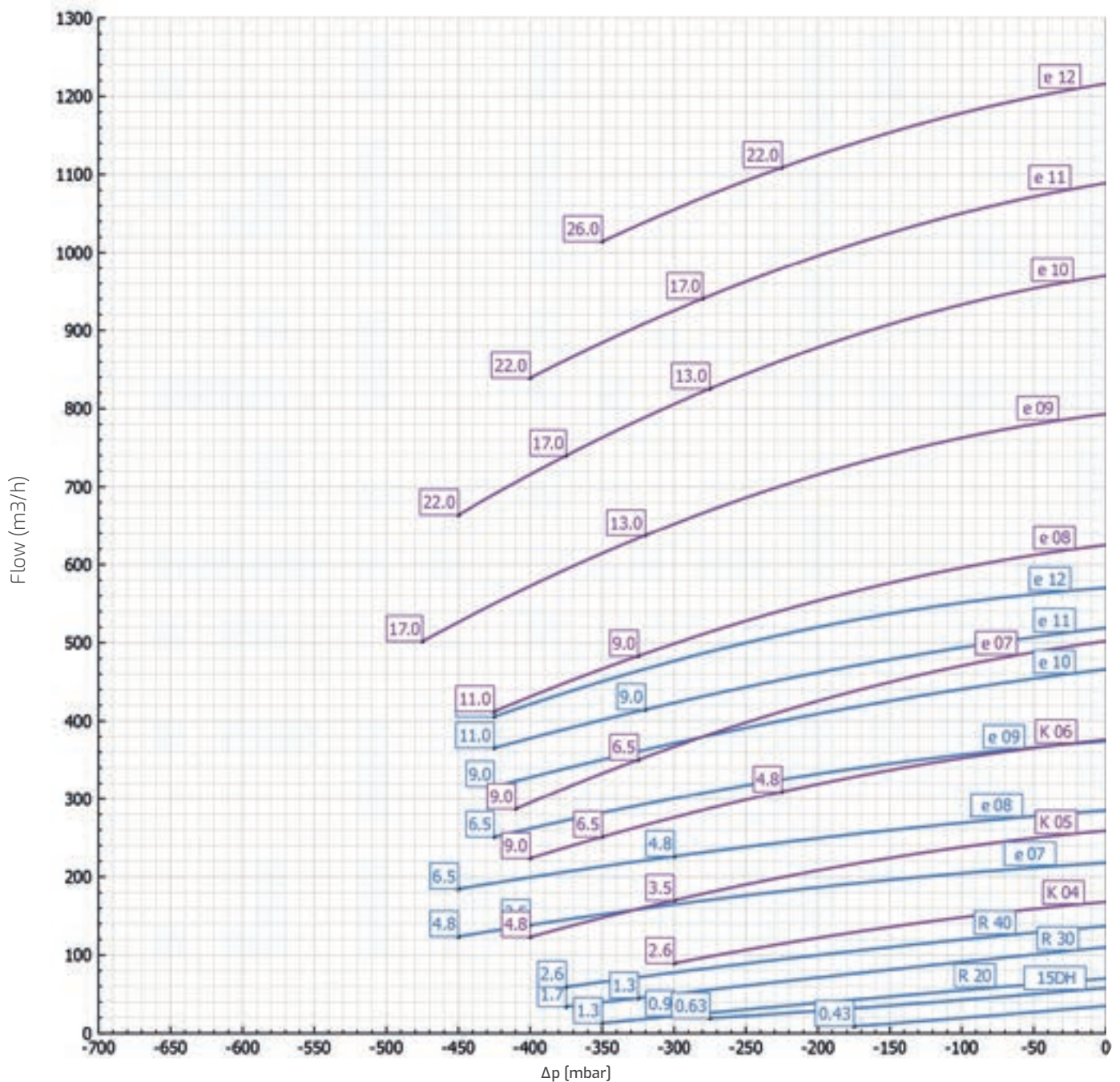
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Suction **60Hz**



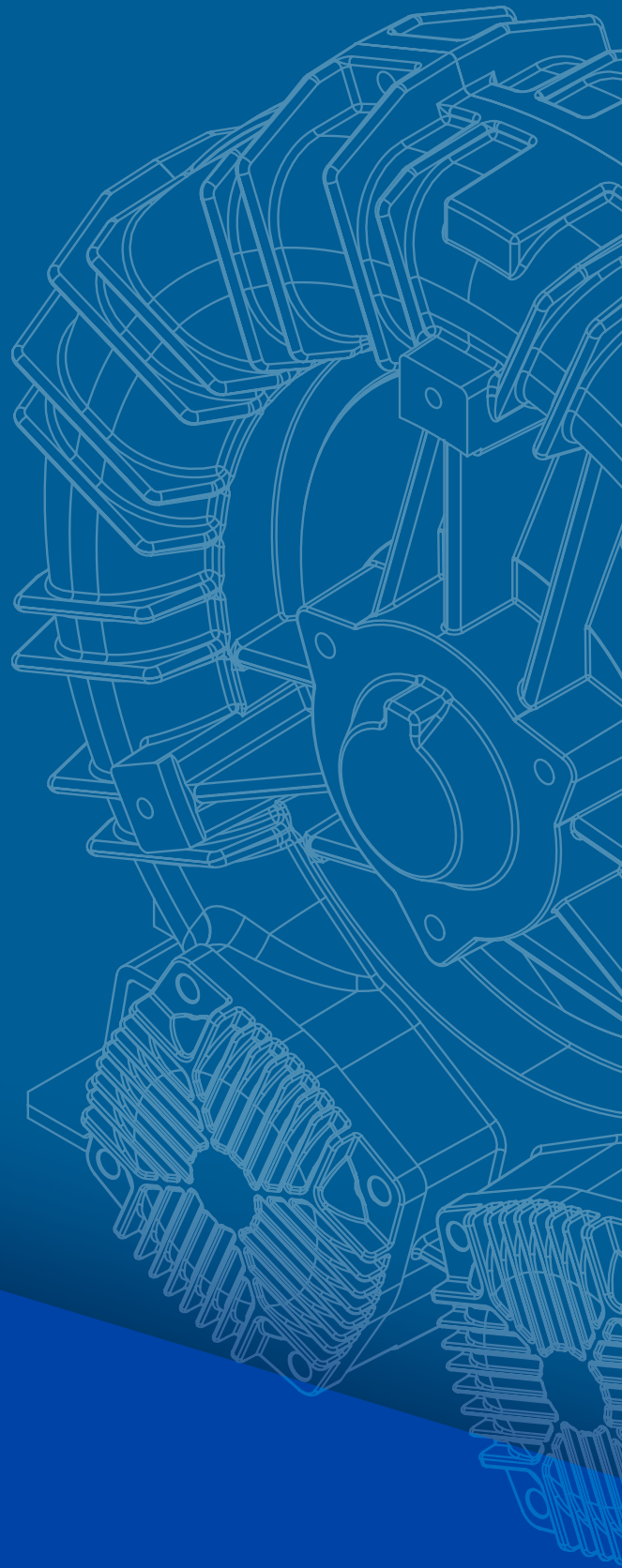
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

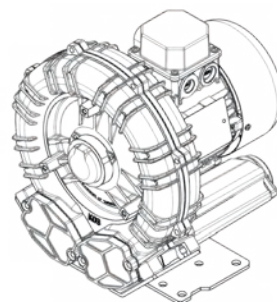
Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

IE3 Wide Range cURus

Data sheet







Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]

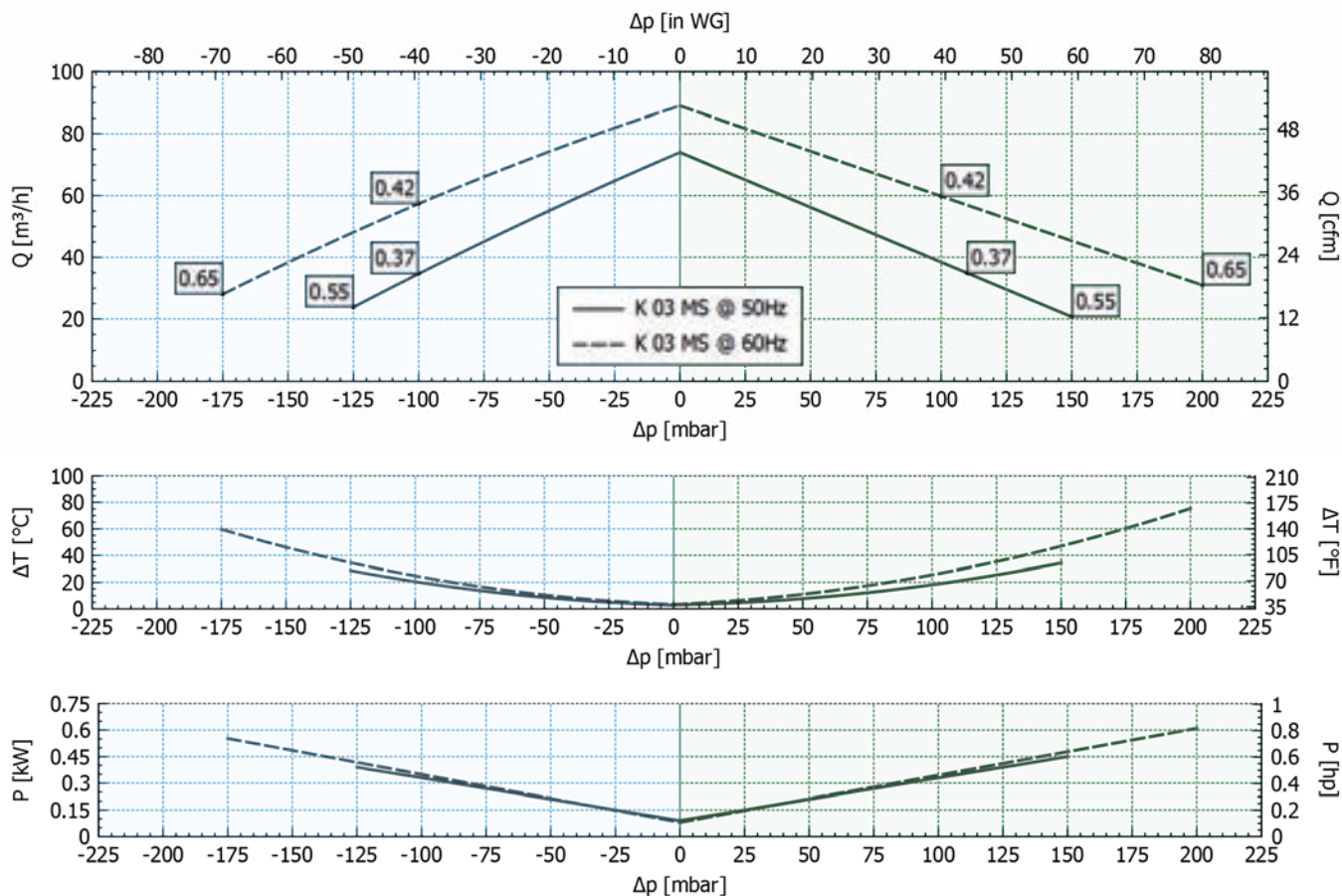
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.37	50	100	110	74	58.7	11	245	1.07 / 1.85	1.03-1.13 / 1.78-1.96	0.67	2830
0.42	60	100	100	89	60.7	11	245	1.02 / 1.77	1.02-1.06 / 1.77-1.84	0.68	3430
0.55	50	125	150	74	58.7	12	245	1.44 / 2.49	1.43-1.50 / 2.48-2.60	0.70	2855
0.65	60	175	200	89	60.7	12	245	1.39 / 2.41	1.47-1.43 / 2.55-2.48	0.73	3450

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

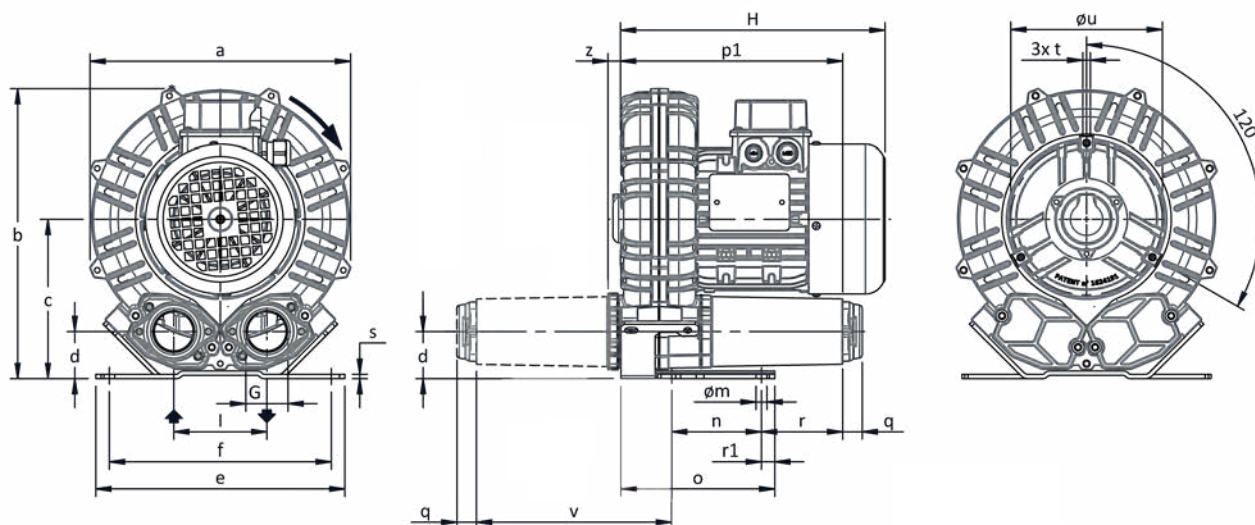
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
241	268	147	43	-	230	205	G 1" 1/4	86	-	-	10	83	142	205	140	18	75	12.5	4	M6	140	180	-	106	-	12

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

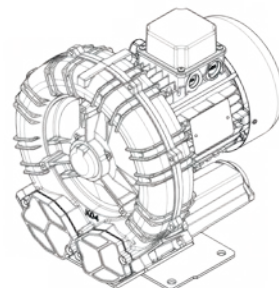
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

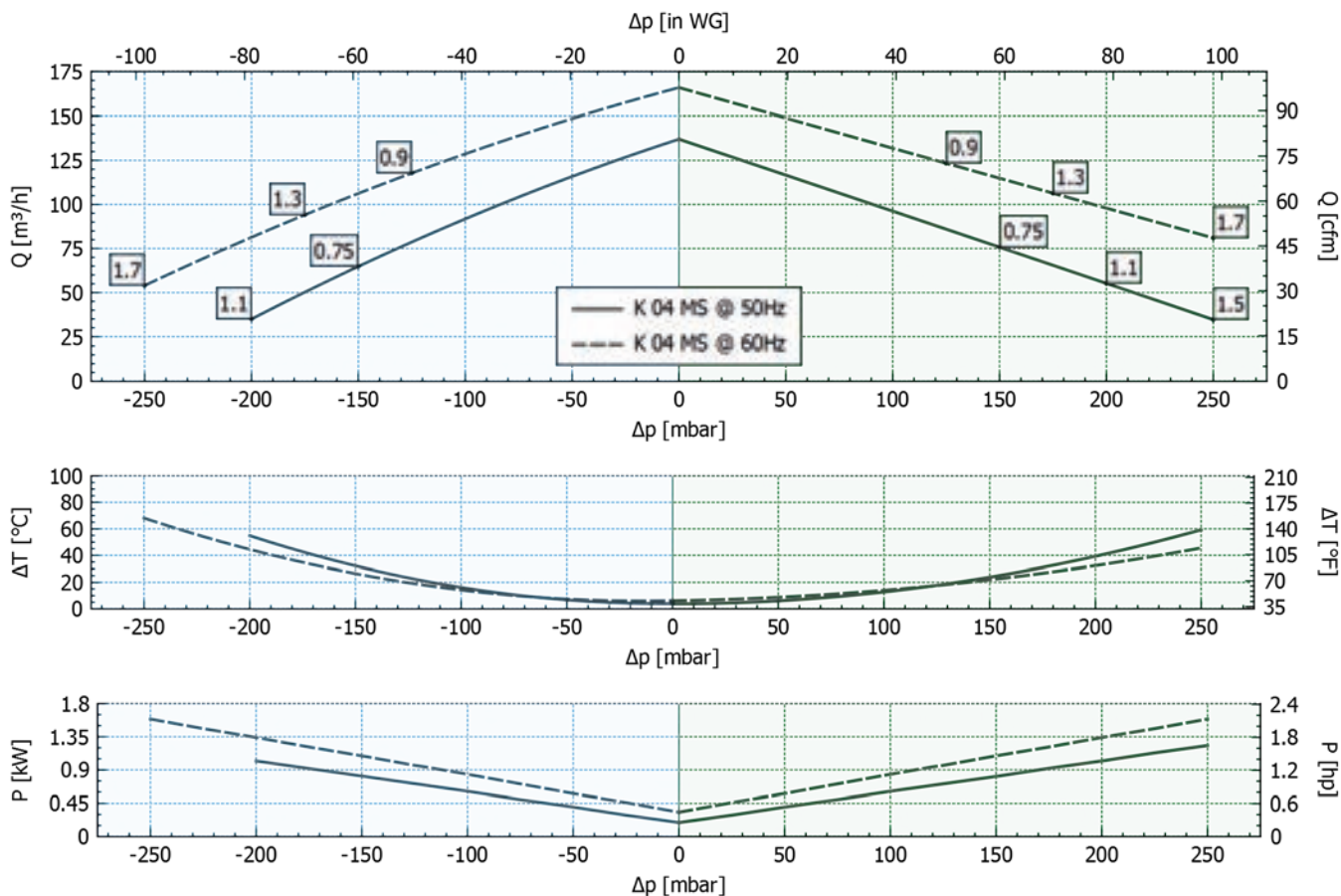
P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.75	50	150	150	137	61.6	16.5	285	1.67 / 2.89	3.08-2.91 / 1.78-1.68	0.79	2890
0.9	60	125	125	166	63.6	16.5	285	1.69 / 2.93	3.31-2.91 / 1.91-1.68	0.82	3465
1.1	50	200	200	137	61.6	18.2	285	2.33 / 4.04	2.56-2.32 / 4.43-4.02	0.82	2880
1.3	60	175	175	166	63.6	18.2	285	2.32 / 4.02	2.69-2.30 / 4.66-3.98	0.84	3475
1.5	50	-	250	137	61.6	21.5	310	3.20 / 5.54	3.43-3.24 / 5.94-5.61	0.80	2905
1.7	60	250	250	166	63.6	21.5	310	3.07 / 5.32	3.49-3.07 / 6.04-5.32	0.81	3505

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

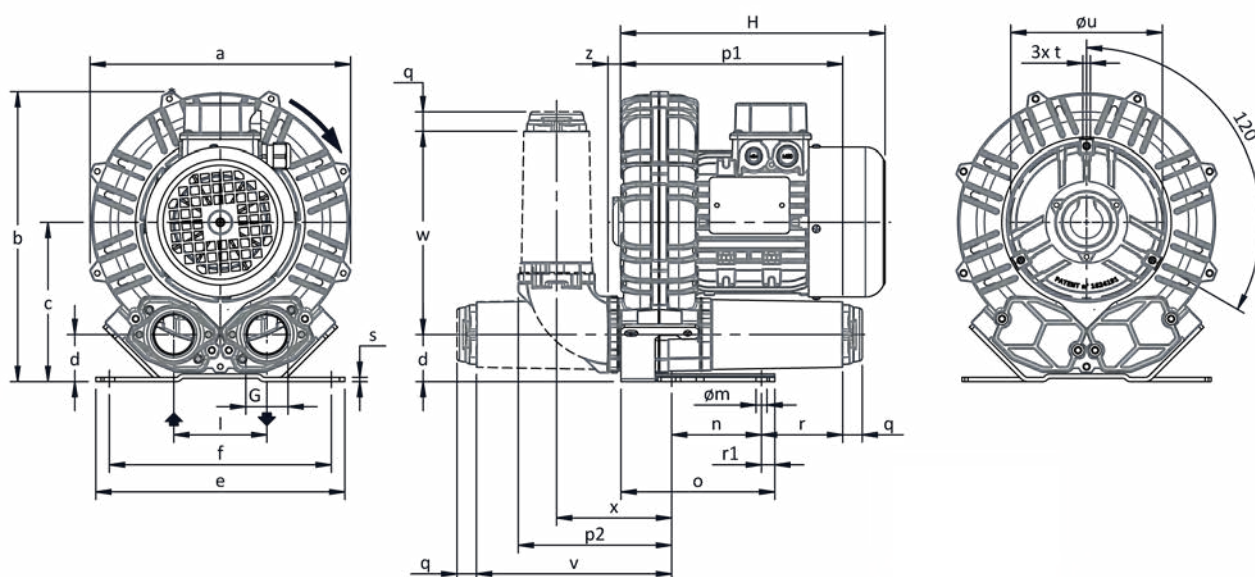


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm

NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
285	315	172	49	-	255	225	G 1" 1/2	102	-	-	12	95	171	222	160	18	70	15	4	M6	175	195	188	120	-	18

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

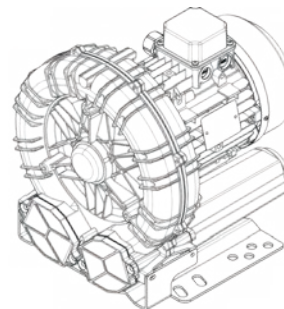
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

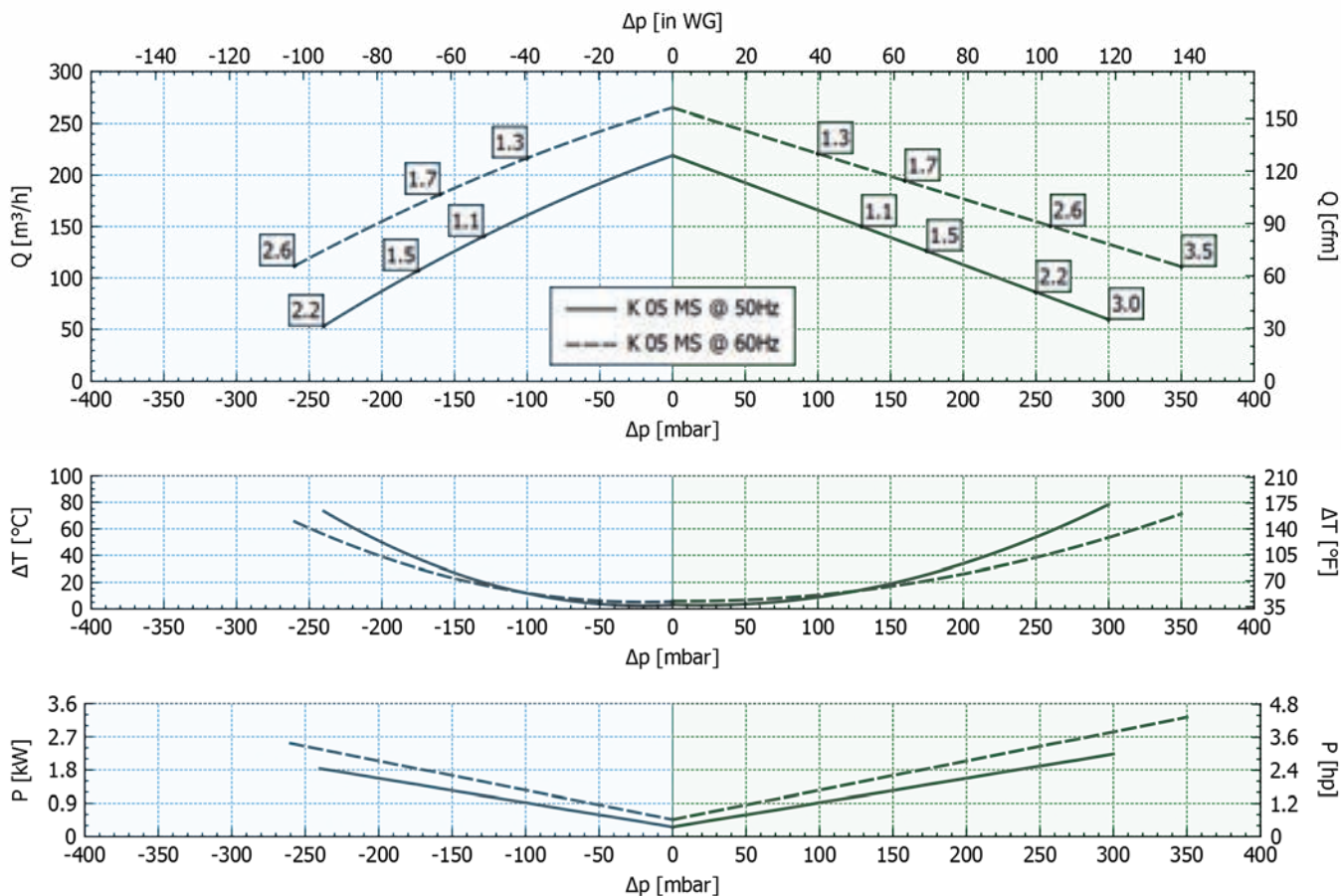
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
1.1	50	130	130	219	67.2	25.5	295	2.63 / 4.56	2.60-2.76 / 4.50-4.78	0.72	2930
1.3	60	100	100	265	69.2	25.5	295	2.56 / 4.43	2.73-2.60 / 4.73-4.50	0.75	3530
1.5	50	175	175	219	67.2	25.5	295	3.20 / 5.54	3.43-3.24 / 5.94-5.61	0.80	2905
1.7	60	160	160	265	69.2	25.5	295	3.07 / 5.32	3.49-3.07 / 6.04-5.32	0.81	3505
2.2	50	240	250	219	67.2	27.5	320	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	260	260	265	69.2	27.5	320	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	-	300	219	67.2	34.5	365	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	-	350	265	69.2	34.5	365	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

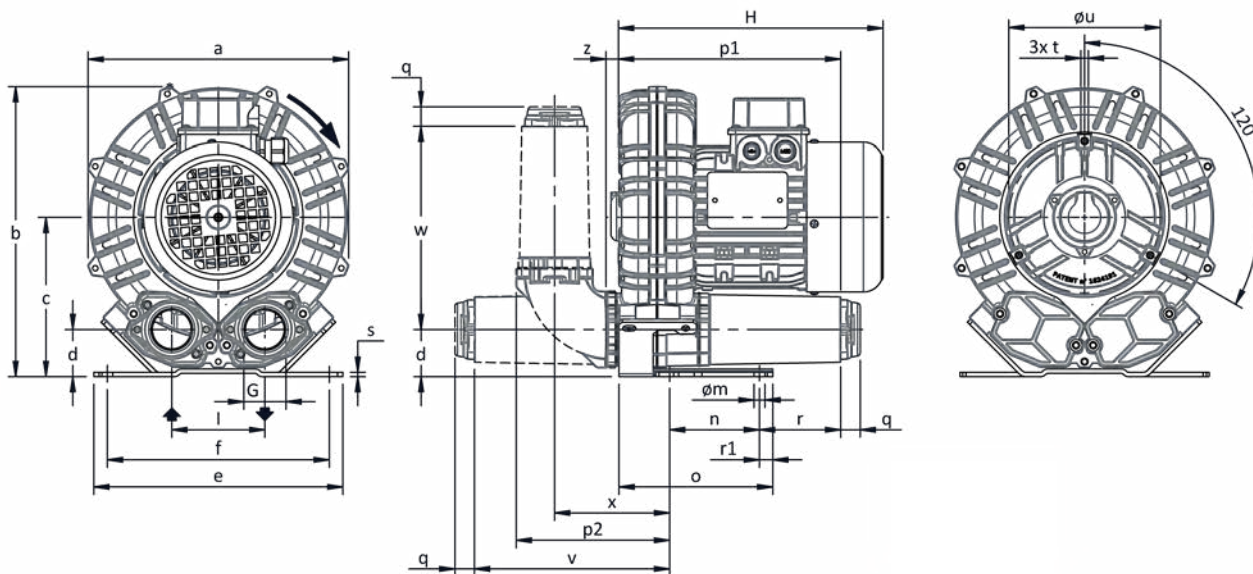


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}\text{C}$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

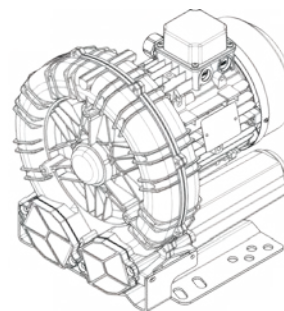
Dimensions in mm

NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	365	200	54	-	325	260	G 2"	120	-	-	15	115	265	320	230	18	98	38.5	4	M8	200	330	285	184	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]

Performance Table

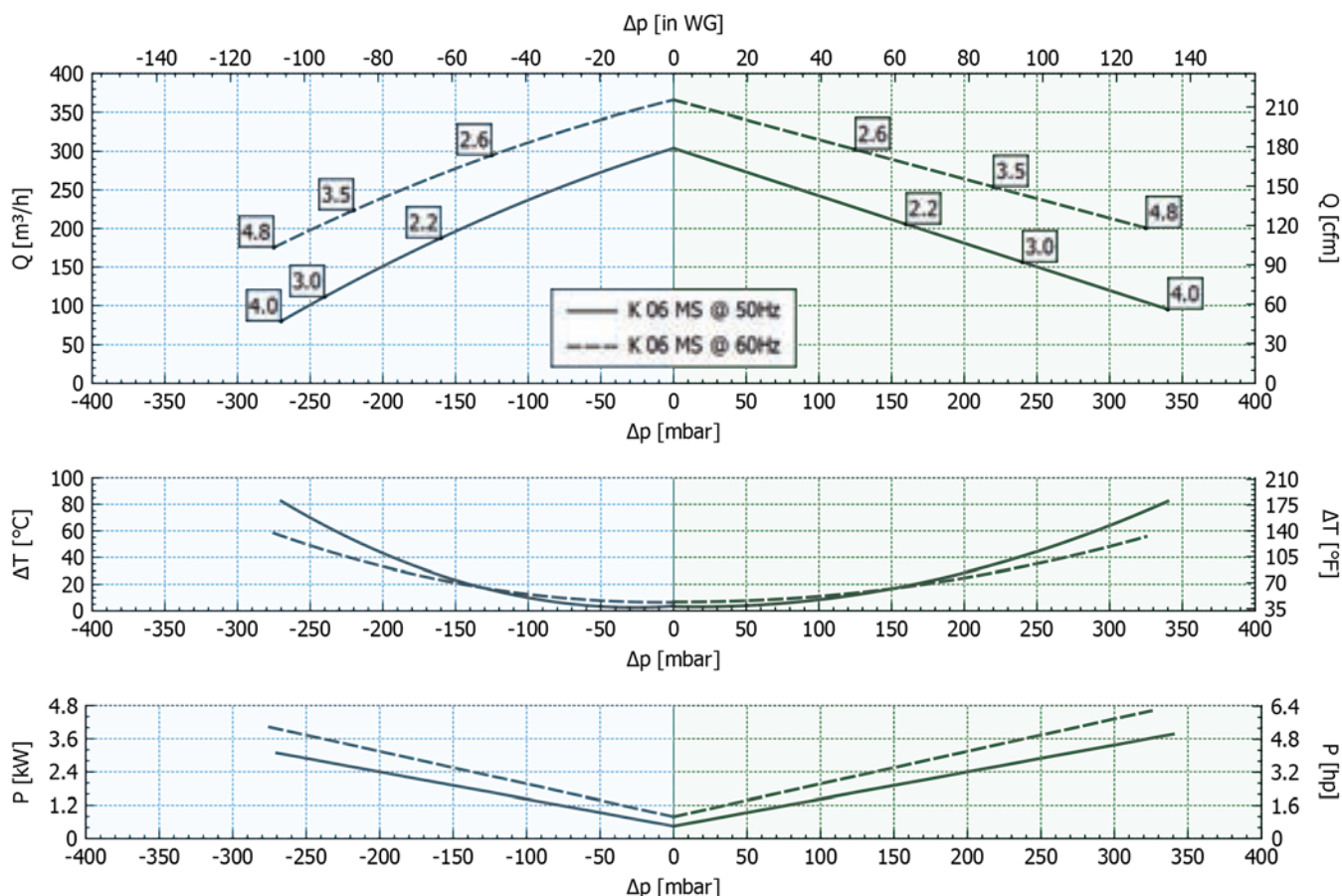
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m ³ /h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	160	160	304	70	31	350	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	125	125	366	72	31	350	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	240	240	304	70	37	360	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	220	220	366	72	37	360	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	270	340	304	70	38.5	380	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	275	325	366	72	38.5	380	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

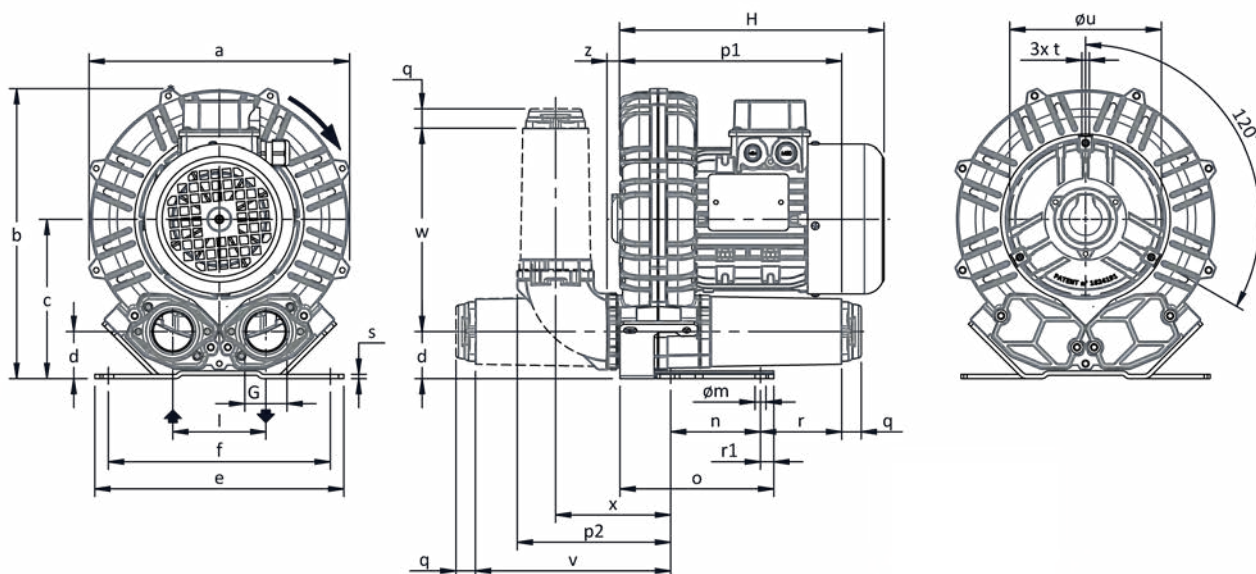


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
376	393	205	54	-	325	290	G 2"	125	-	-	15	140	265	334	244	18	85	19	4	M8	240	332	285	198	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

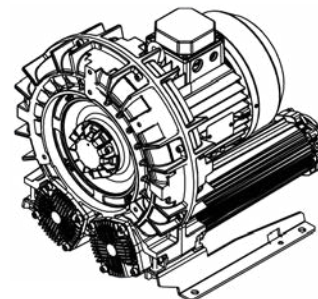
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



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Performance Table

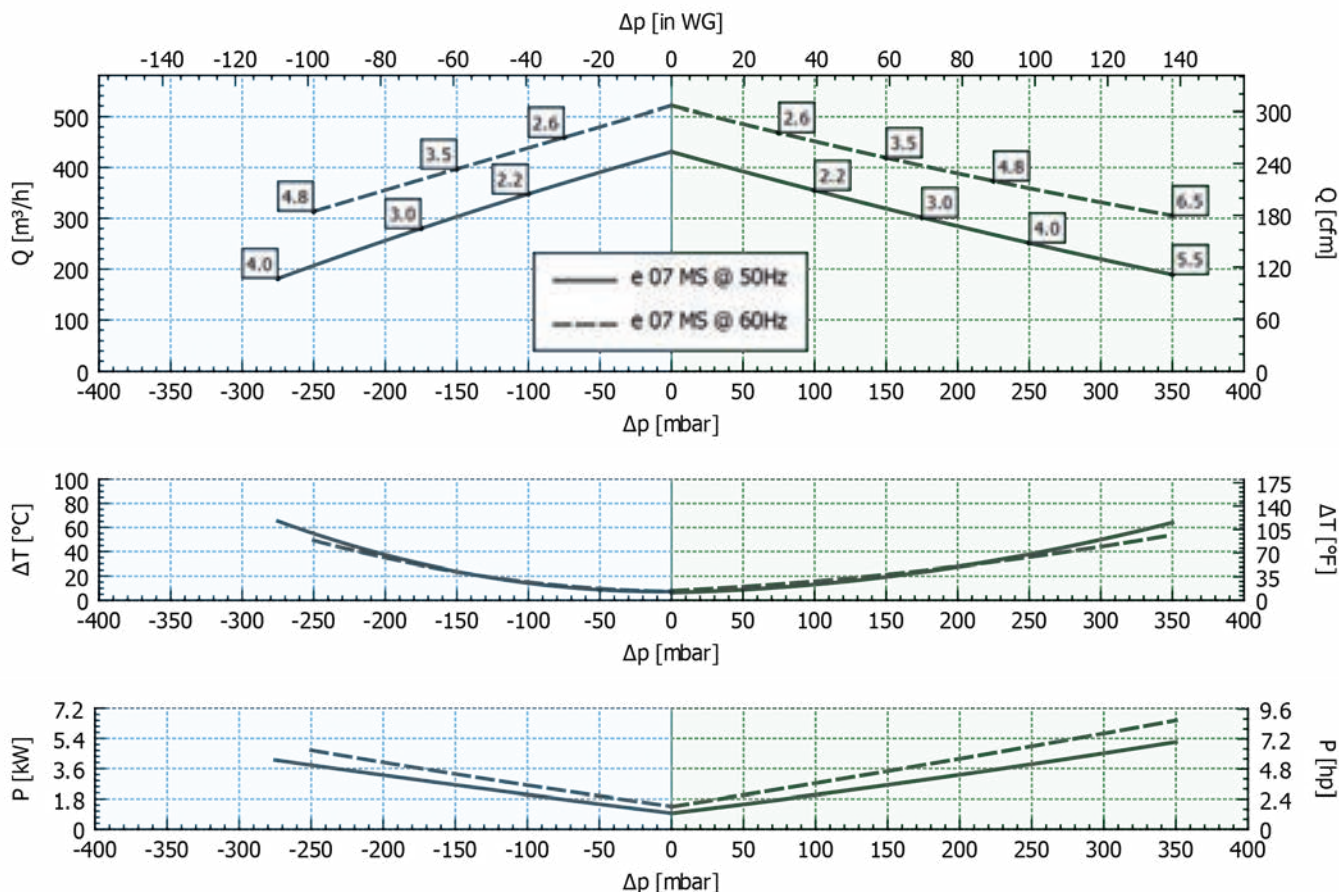
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	100	100	431	71	57	370	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	75	75	521	75	57	370	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	175	175	431	71	58	400	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	150	150	521	75	58	400	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	275	250	431	71	59	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	250	225	521	75	59	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	-	350	431	71	72	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	-	350	521	75	72	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

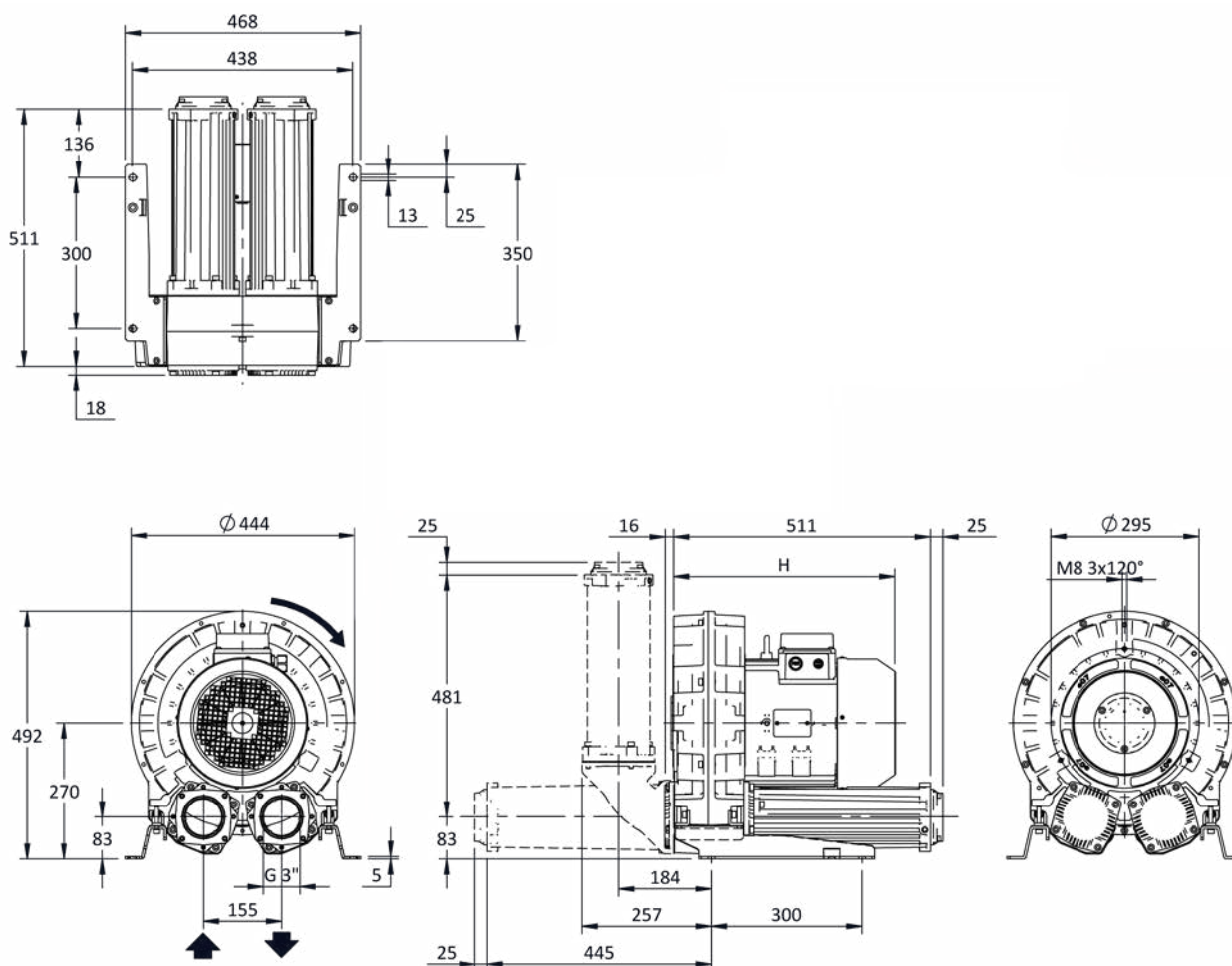


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

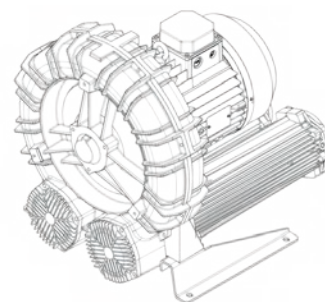
Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

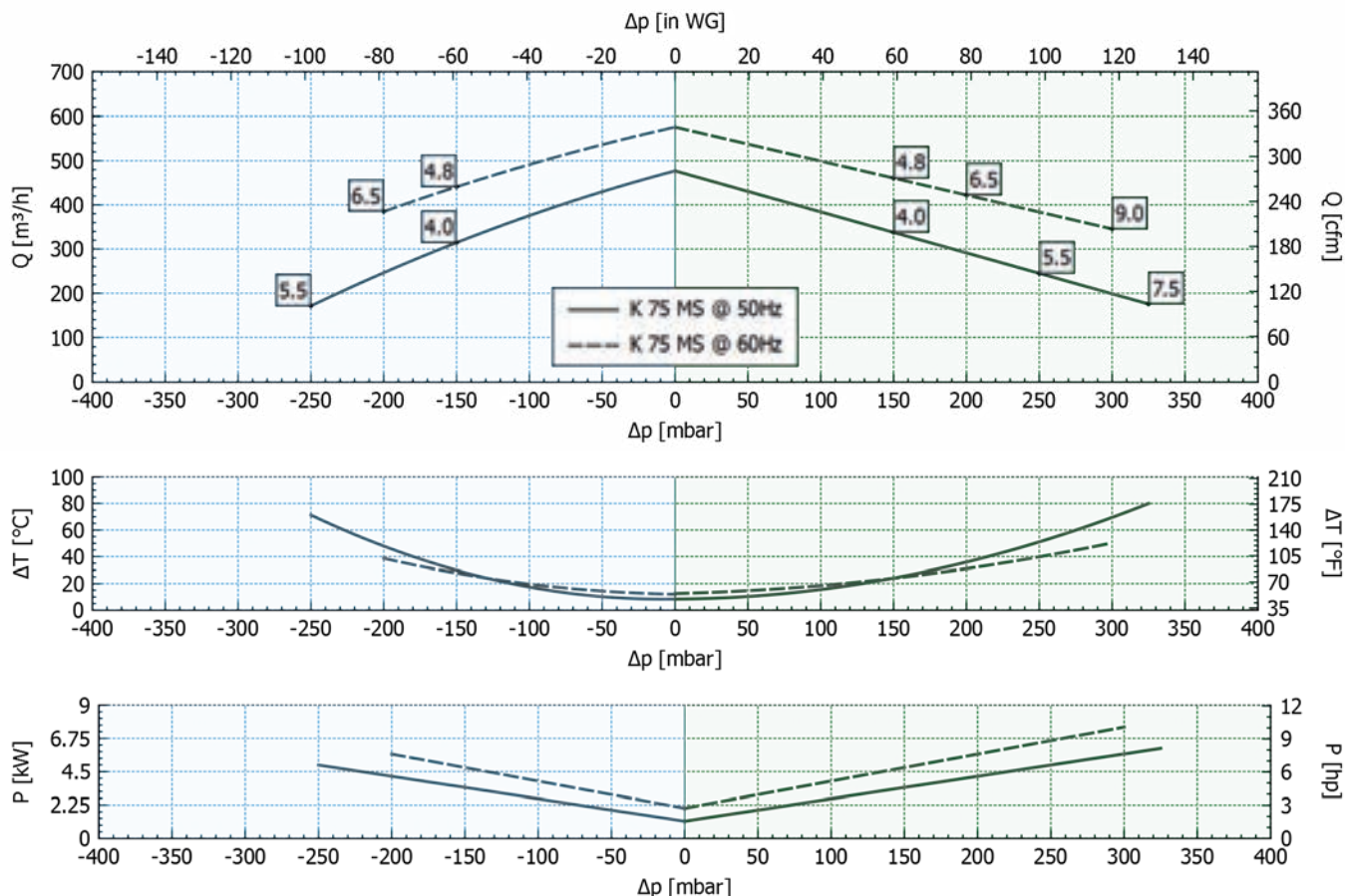
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	150	150	477	76.4	52.5	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	150	150	576	78.4	52.5	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	250	250	477	76.4	66	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	200	200	576	78.4	66	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	325	477	76.4	71	445	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	-	300	576	78.4	71	445	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

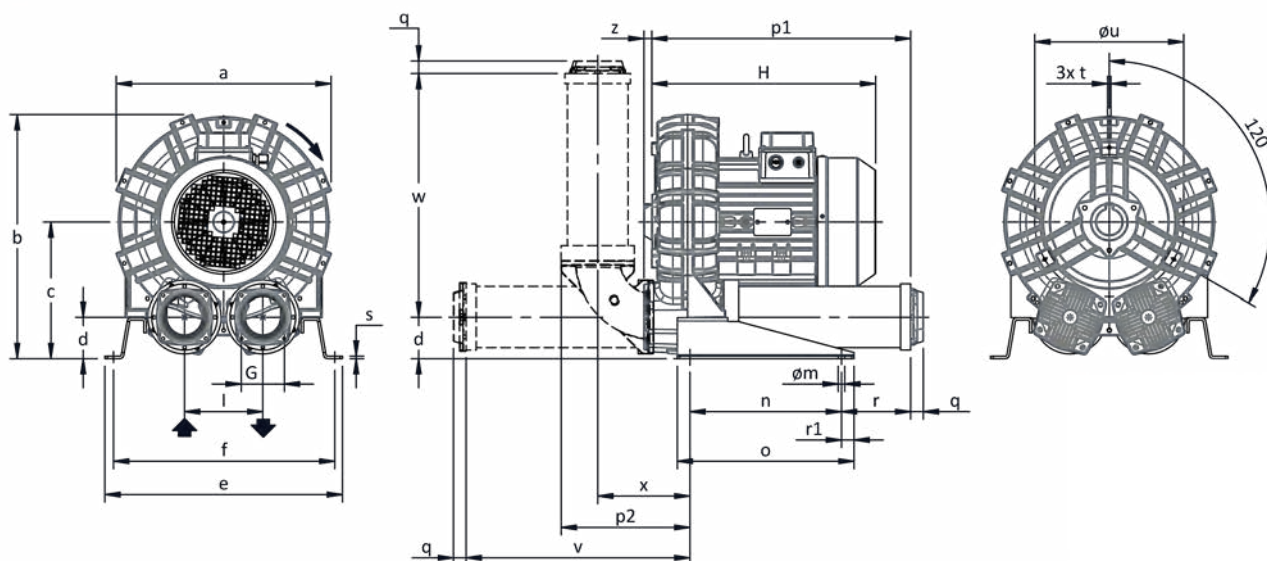
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm

NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
424	481	269	82	-	470	438	G 3"	155	-	-	13	300	350	512	255	25	137	25	5	M8	295	443	481	183	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

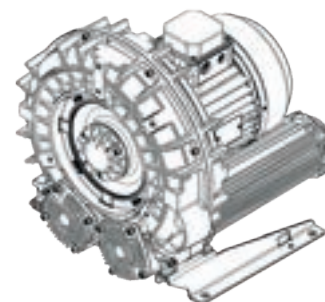
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 - 415 / 200 - 240	600 - 720 / 345 - 415	50
	380 - 480 / 220 - 280	660 - 830 / 380 - 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



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Performance Table

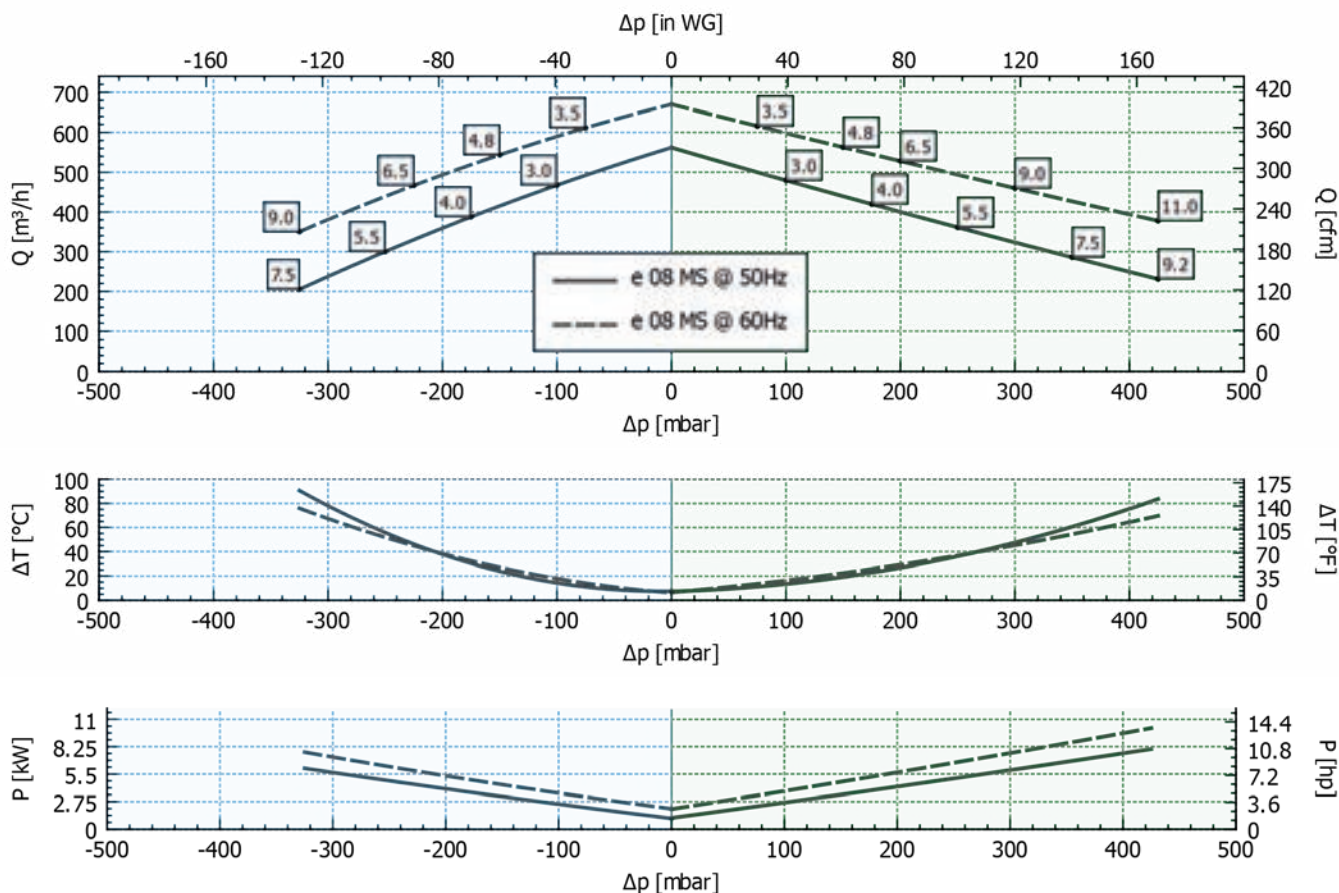
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	100	100	562	72.1	62	395	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	75	75	670	76.8	62	395	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	175	175	562	72.1	64	410	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	150	150	670	76.8	64	410	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	250	250	562	72.1	76	440	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	225	200	670	76.8	76	440	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	325	350	562	72.1	82	440	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	325	300	670	76.8	82	440	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	425	562	72.1	87	480	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	425	670	76.8	87	480	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

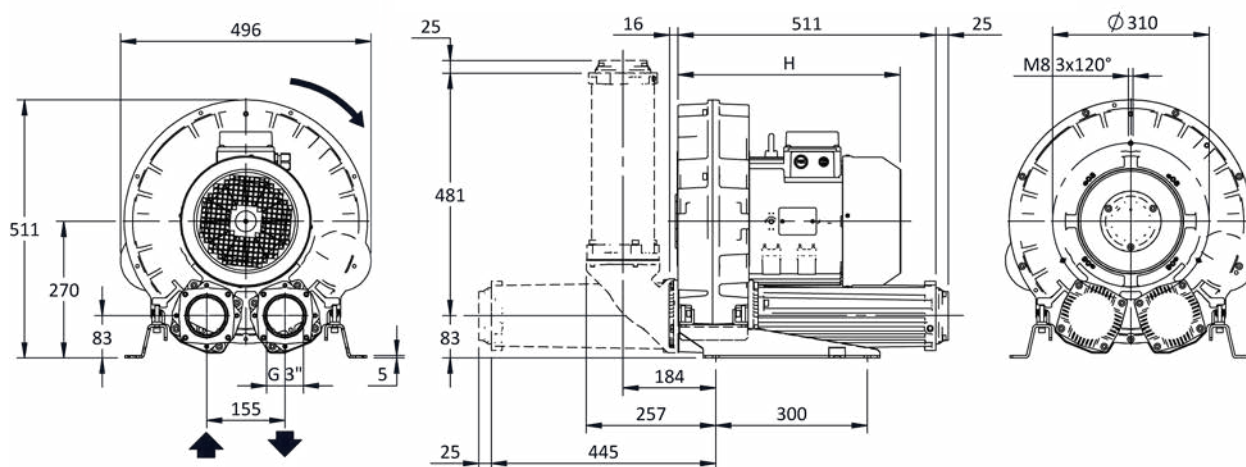
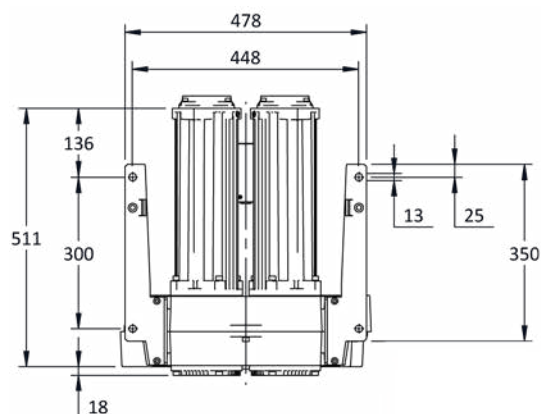


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}\text{C}$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm

NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

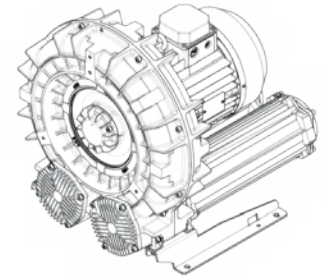
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



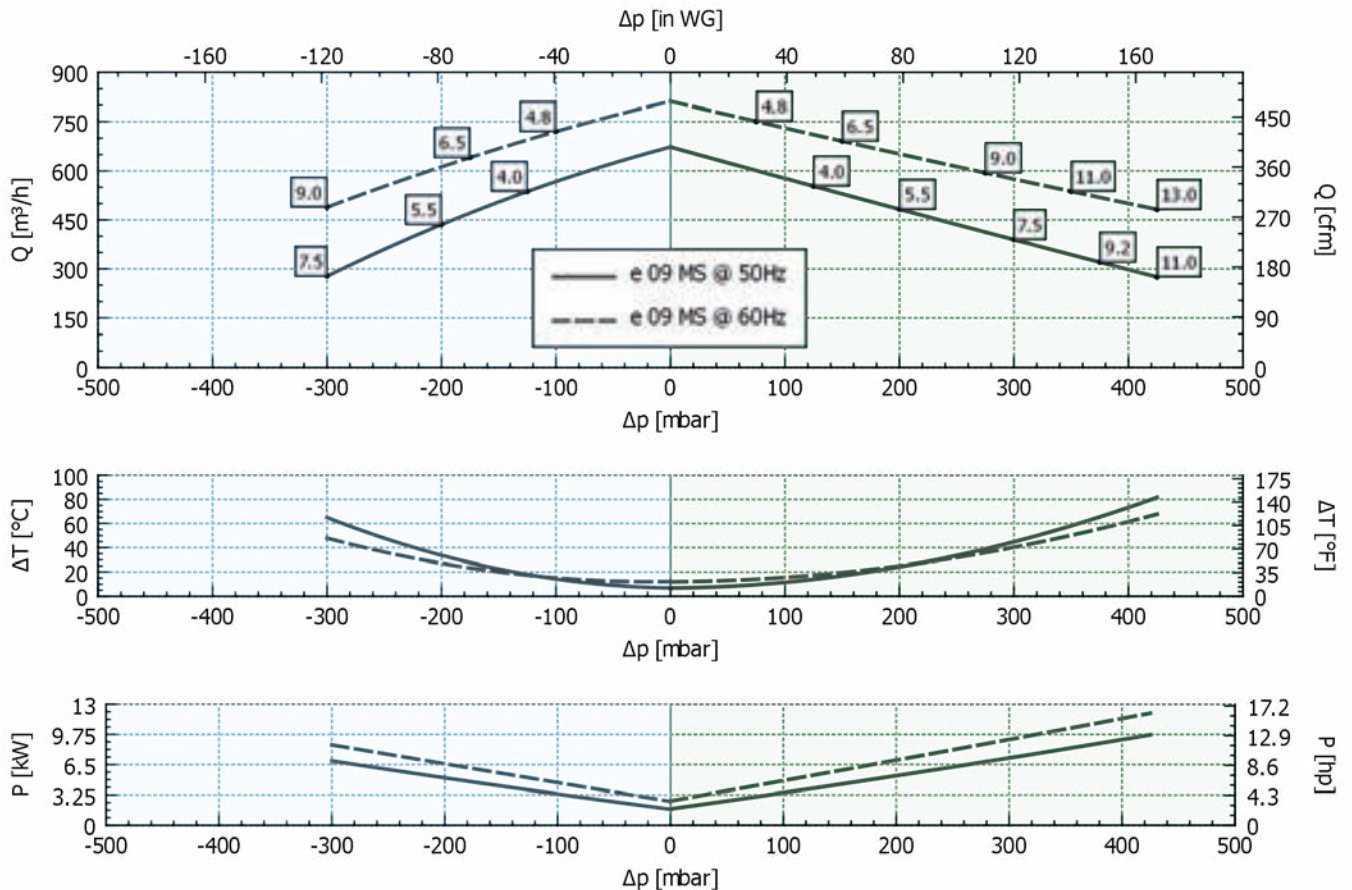
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	125	125	673	74	71	425	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	100	75	812	79	71	425	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	200	200	673	74	83	455	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	175	150	812	79	83	455	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	300	300	673	74	89	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	300	275	812	79	89	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	375	673	74	94	495	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	350	812	79	94	495	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	425	673	74	100	495	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	425	812	79	100	495	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

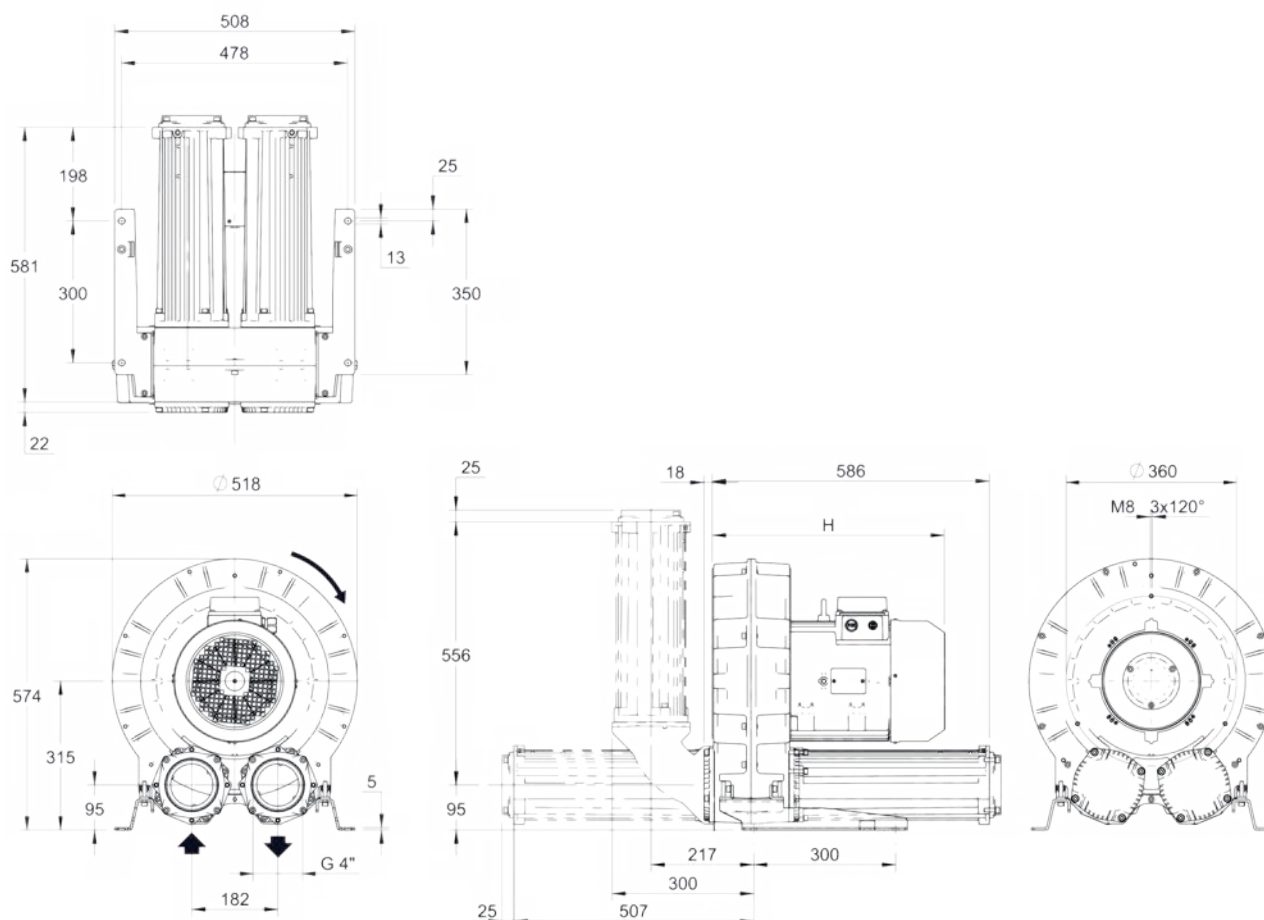
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



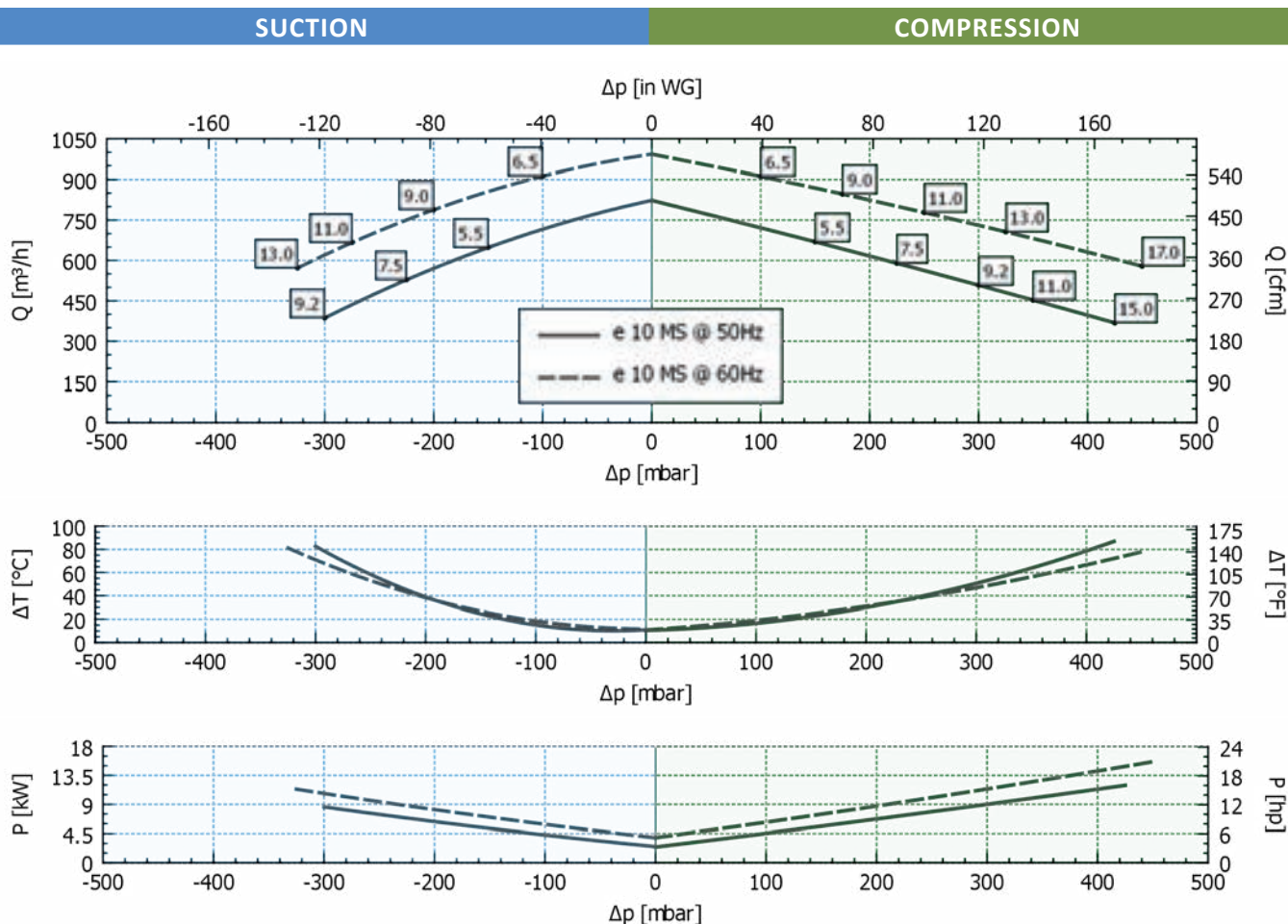
Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

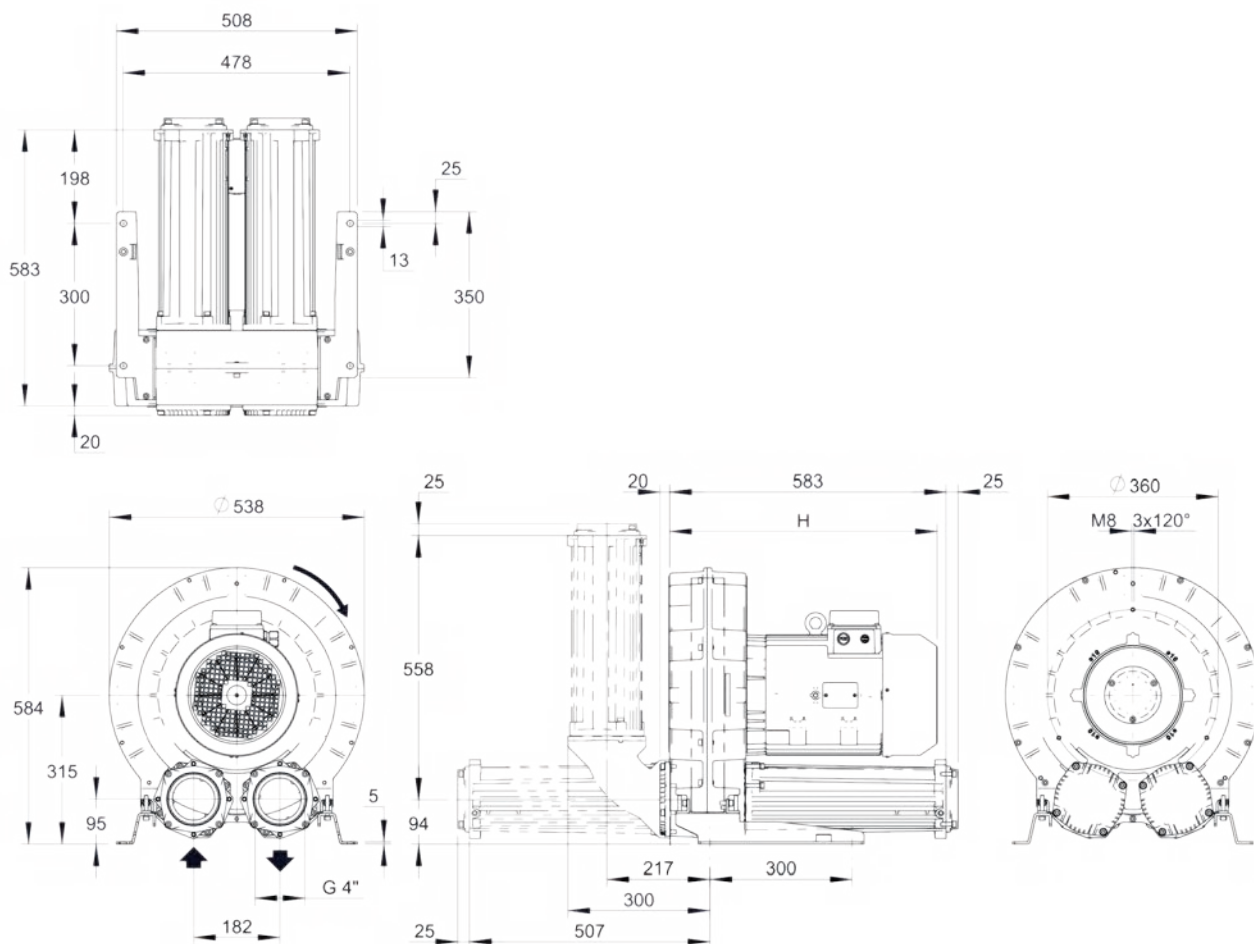
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	150	150	823	76	86	455	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	100	100	993	81	86	455	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	225	225	823	76	92	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	200	175	993	81	92	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	300	300	823	76	97	495	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	275	250	993	81	97	495	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	350	823	76	103	495	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	325	325	993	81	103	495	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	425	823	76	120	570	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	-	450	993	81	120	570	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

2. See figure "dimensions" at following page.



Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

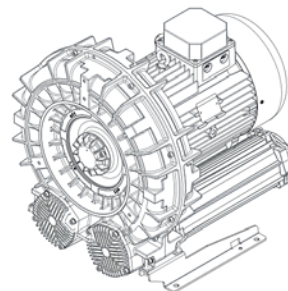
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



evolution

Performance Table

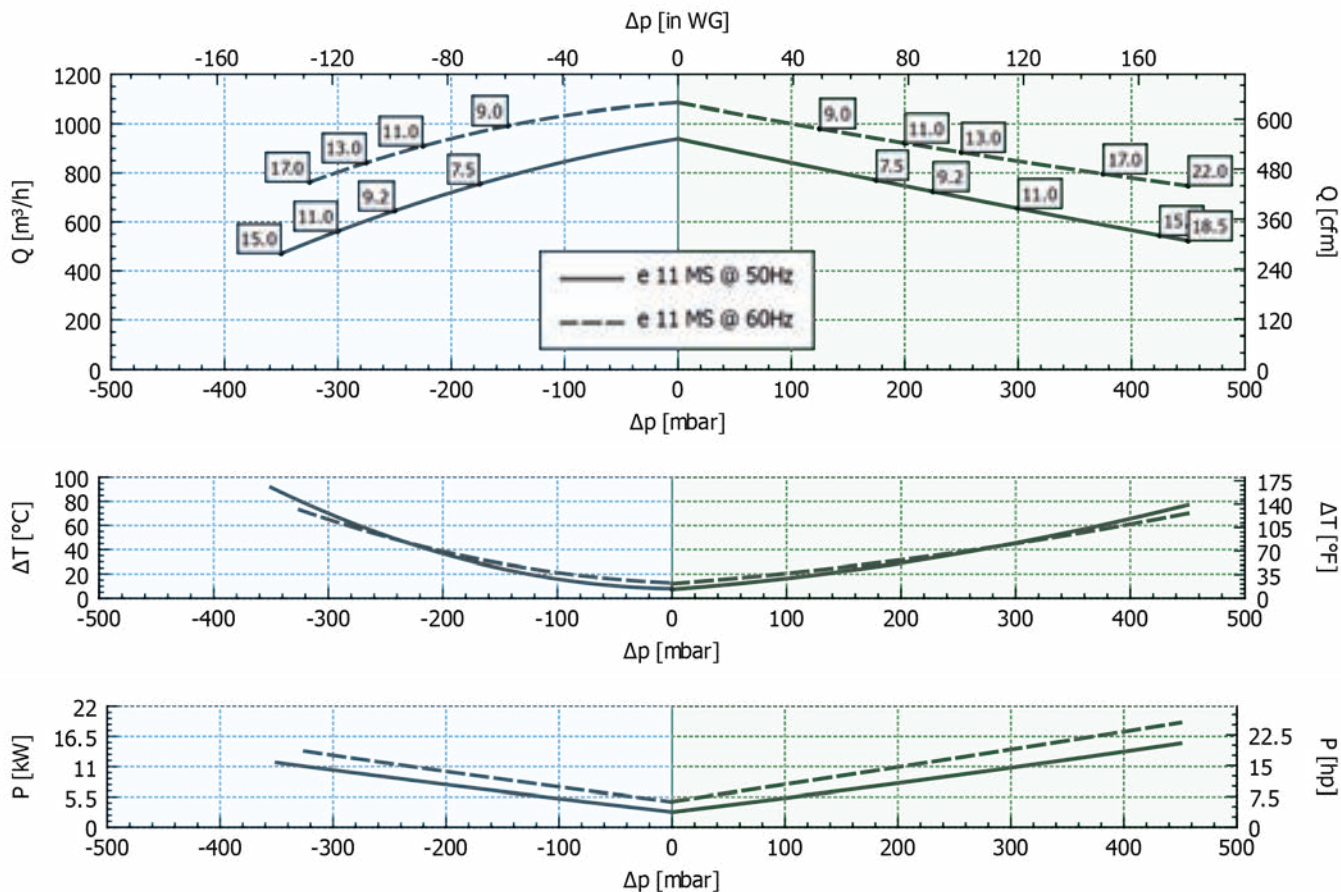
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	175	175	939	78	97	460	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	150	125	1085	83	97	460	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	250	225	939	78	103	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	225	200	1085	83	103	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	300	300	939	78	110	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	275	250	1085	83	110	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	350	425	939	78	126	575	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	325	375	1085	83	126	575	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	450	939	78	150	635	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	450	1085	83	150	635	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

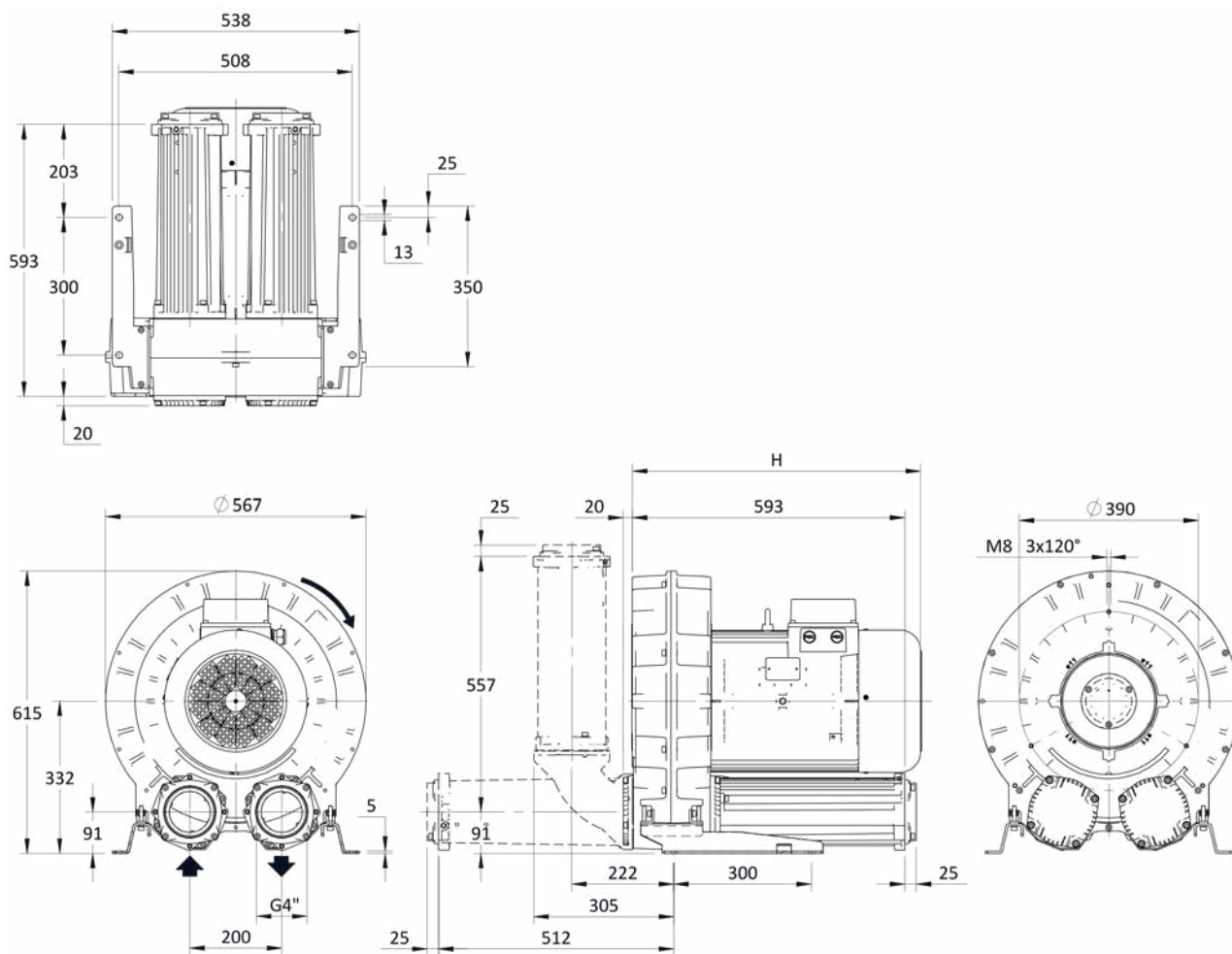


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to Effepizeta.
 Dimensions in mm
 NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

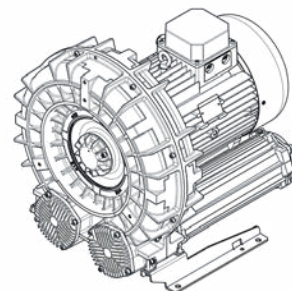
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



evolution

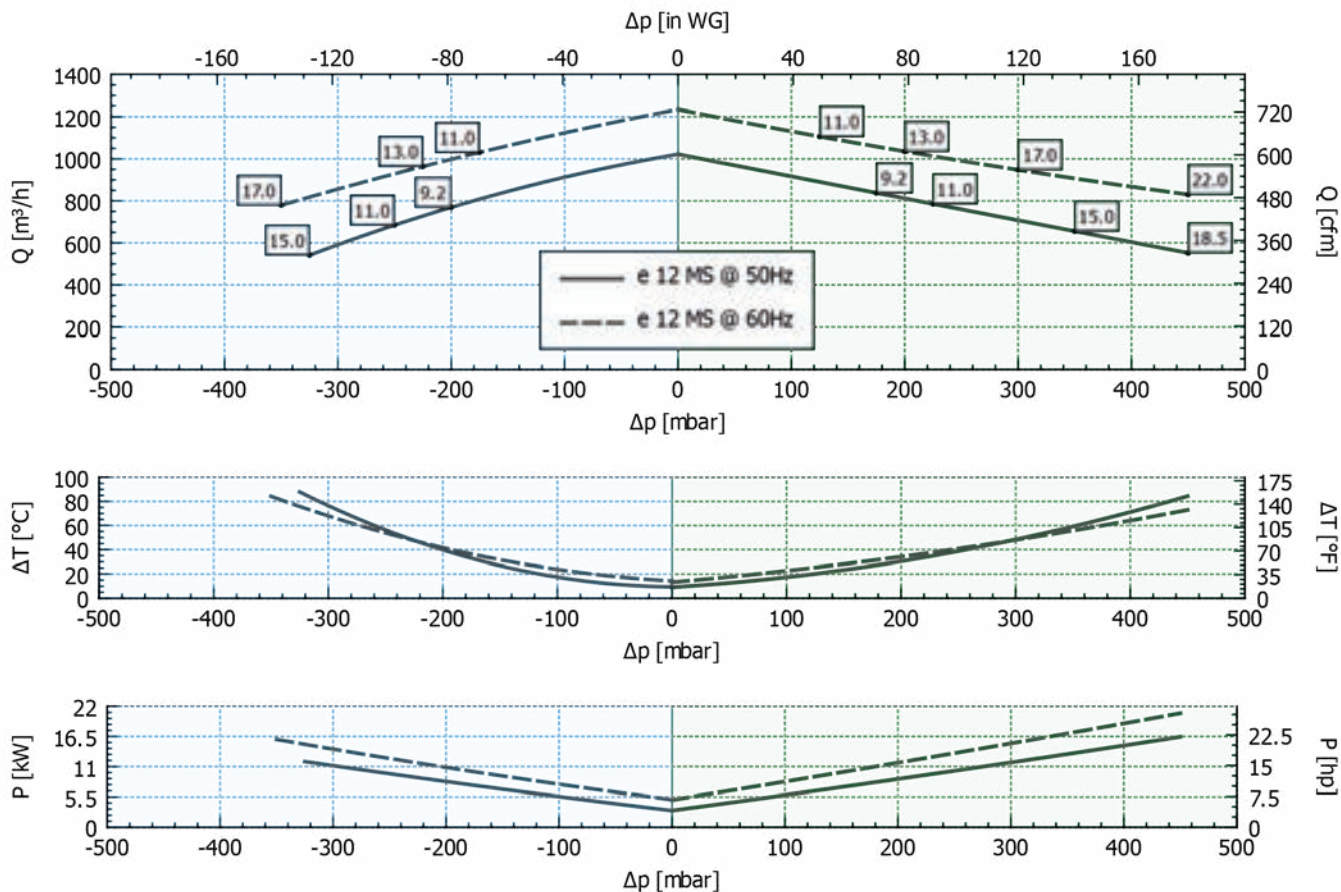
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
9.2	50	200	175	1024	79	107	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	175	125	1227	84	107	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	250	225	1024	79	113	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	225	200	1227	84	113	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	325	350	1024	79	129	575	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	350	300	1227	84	129	575	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	450	1024	79	151	635	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	450	1227	84	151	635	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

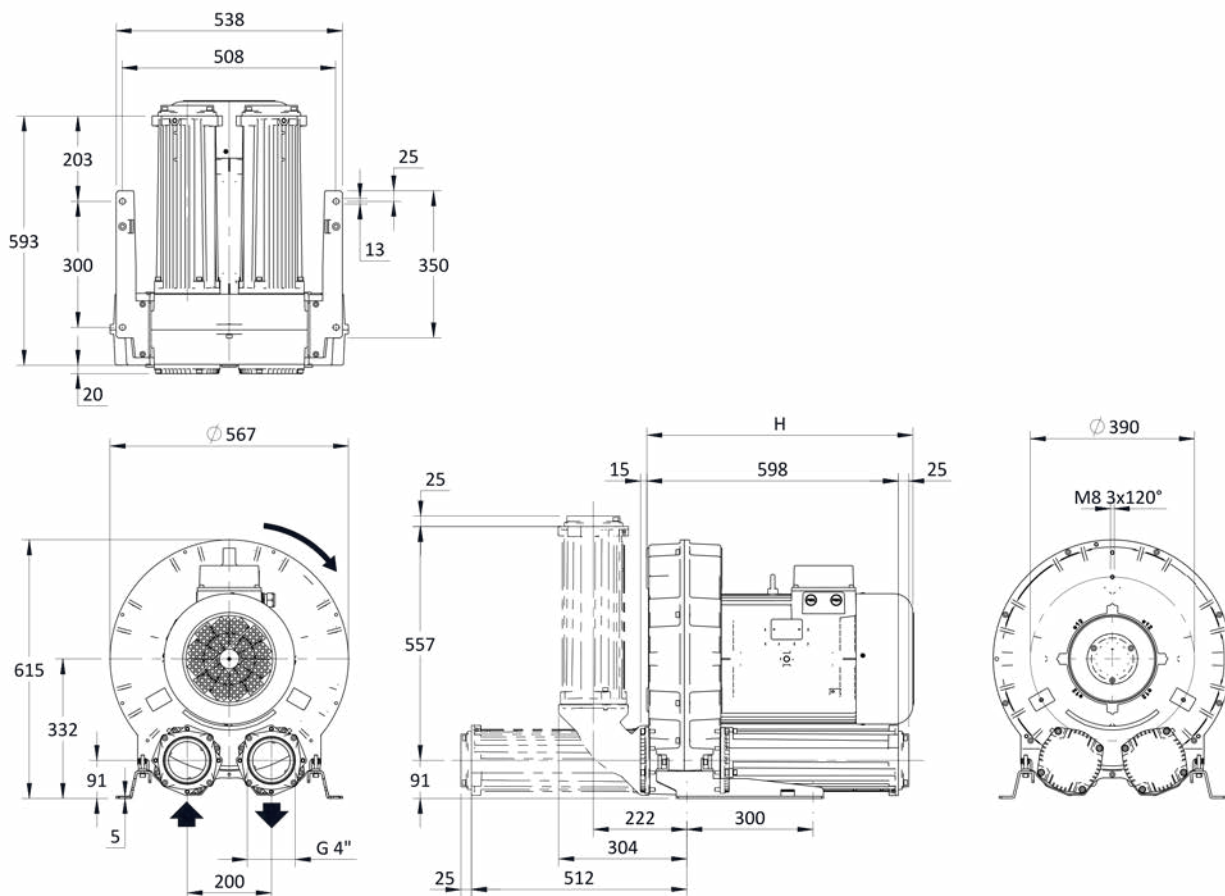
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to Effepizeta.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

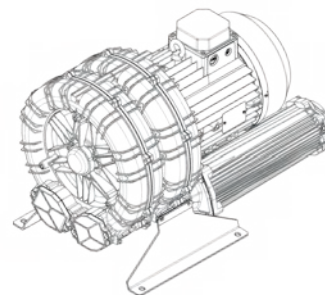
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

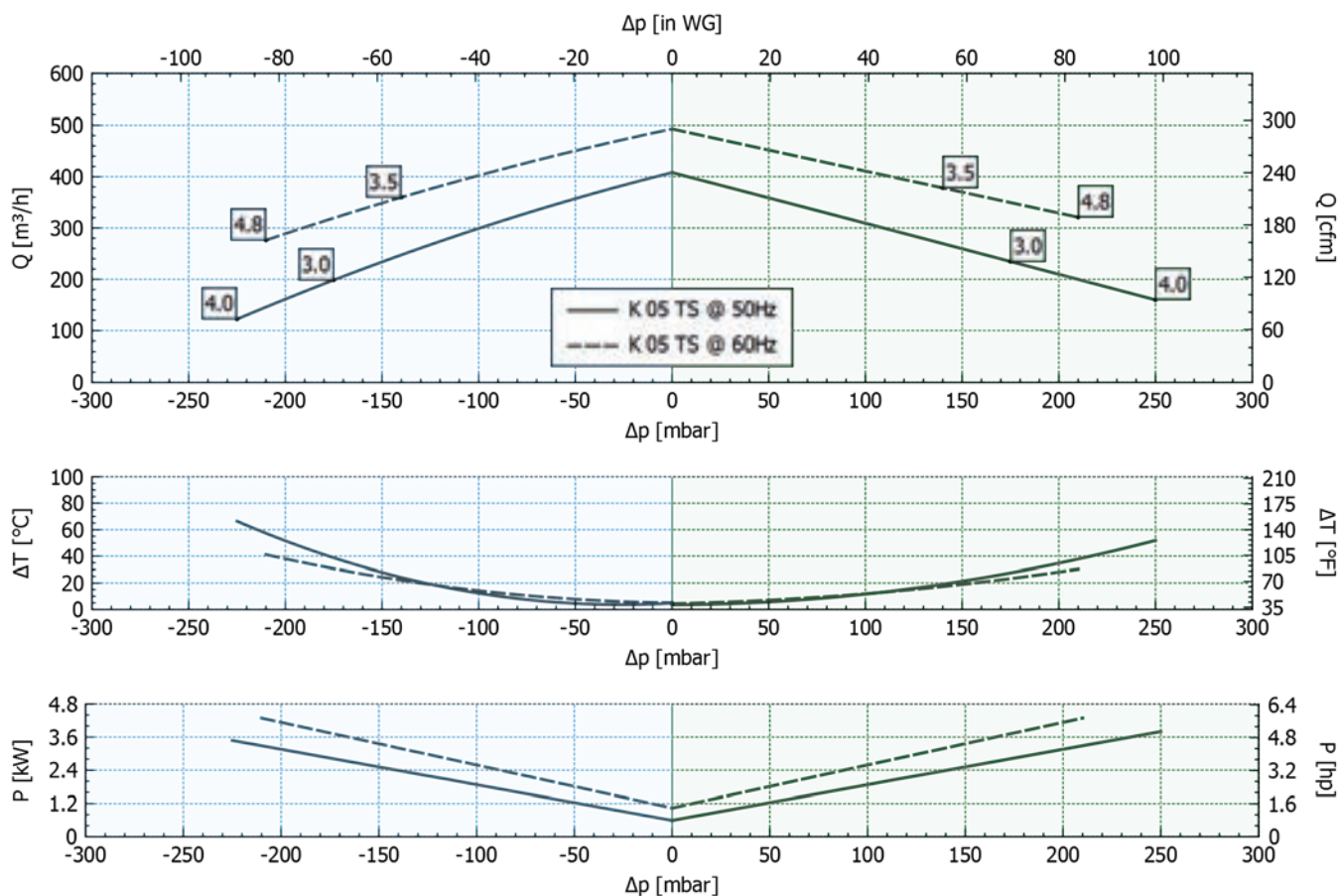
P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	175	175	408	69.6	48	475	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	140	140	493	71.6	48	475	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	225	250	408	69.6	49.5	495	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	210	210	493	71.6	49.5	495	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

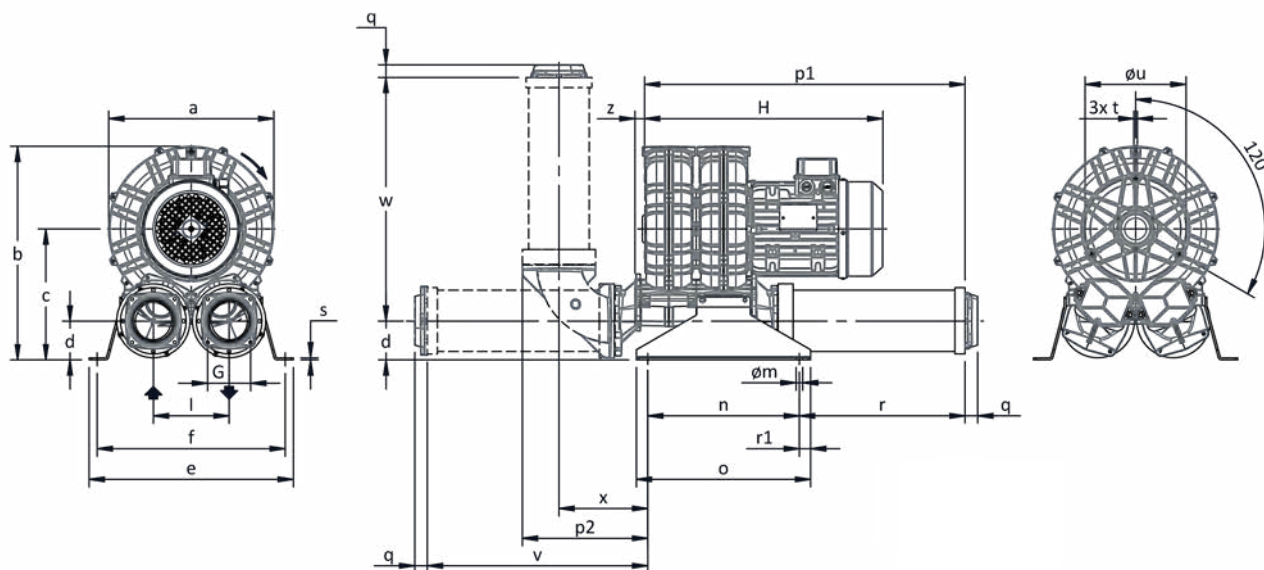


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm

NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	422	258	77	-	404	374	G 3"	150	-	-	13	300	345	634	249	25	328	22.5	4	M8	200	436	481	176	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

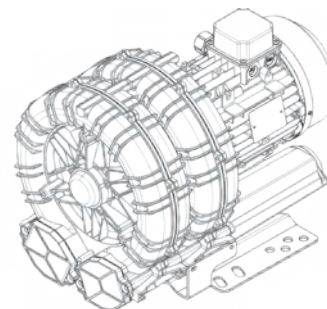
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



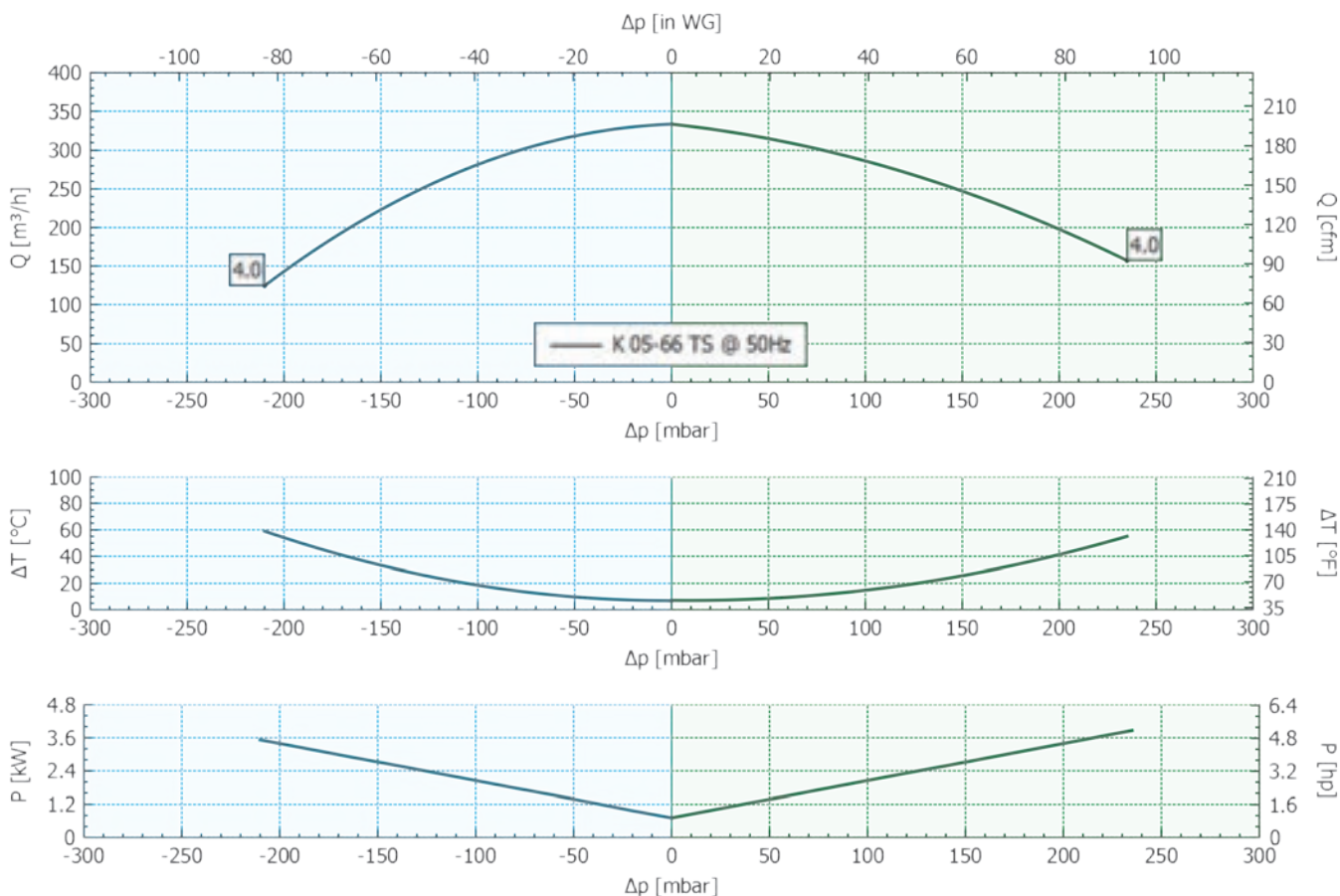
Performance Table

P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	210	235	334	74.5	45	495	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

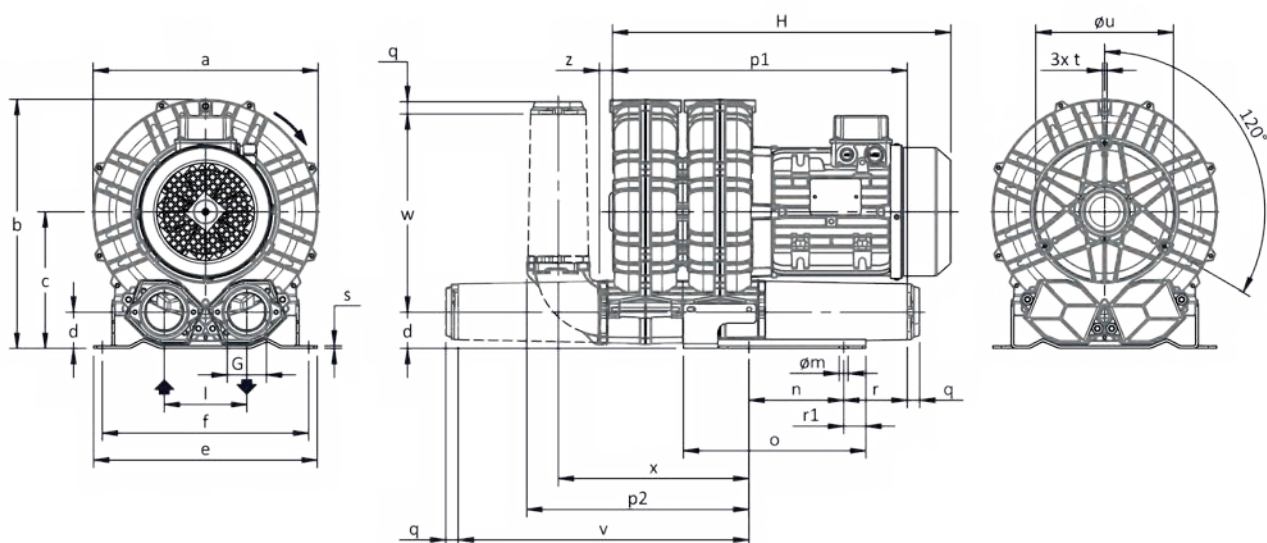
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	365	200	54	-	325	290	G 2"	120	-	-	15	140	265	428	340	18	85	19	4	M8	200	440	285	293	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

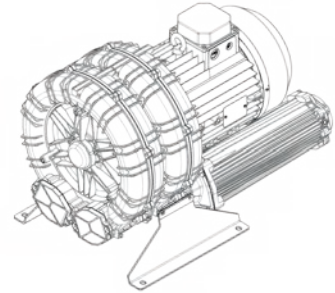
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 - 415 / 200 - 240	600 - 720 / 345 - 415	50
	380 - 480 / 220 - 280	660 - 830 / 380 - 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



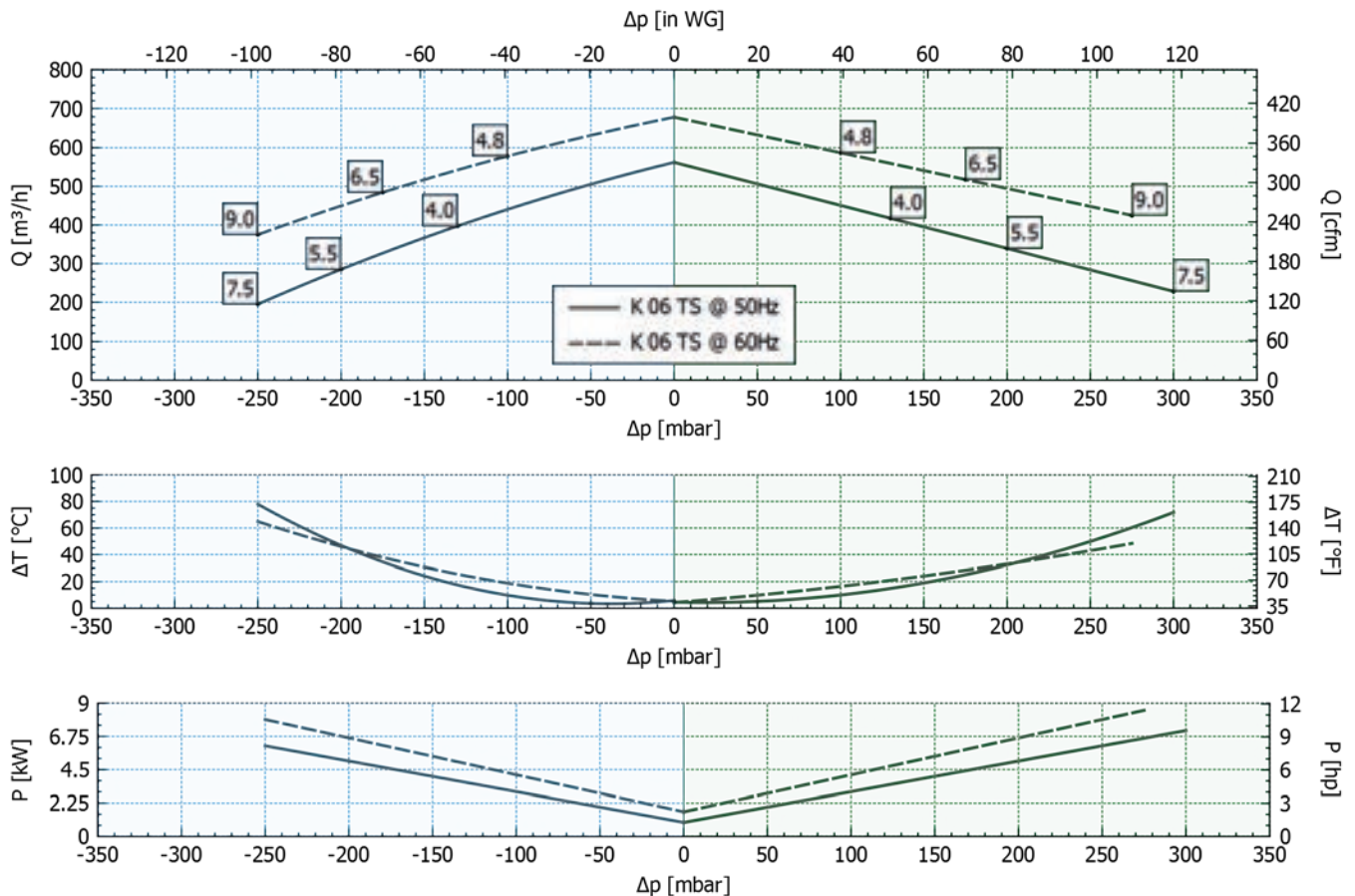
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	130	130	562	74.8	55.5	500	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	100	100	679	76.8	55.5	500	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	200	200	562	74.8	71.5	585	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	175	175	679	76.8	71.5	585	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	250	300	562	74.8	76.5	585	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	250	275	679	76.8	76.5	585	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

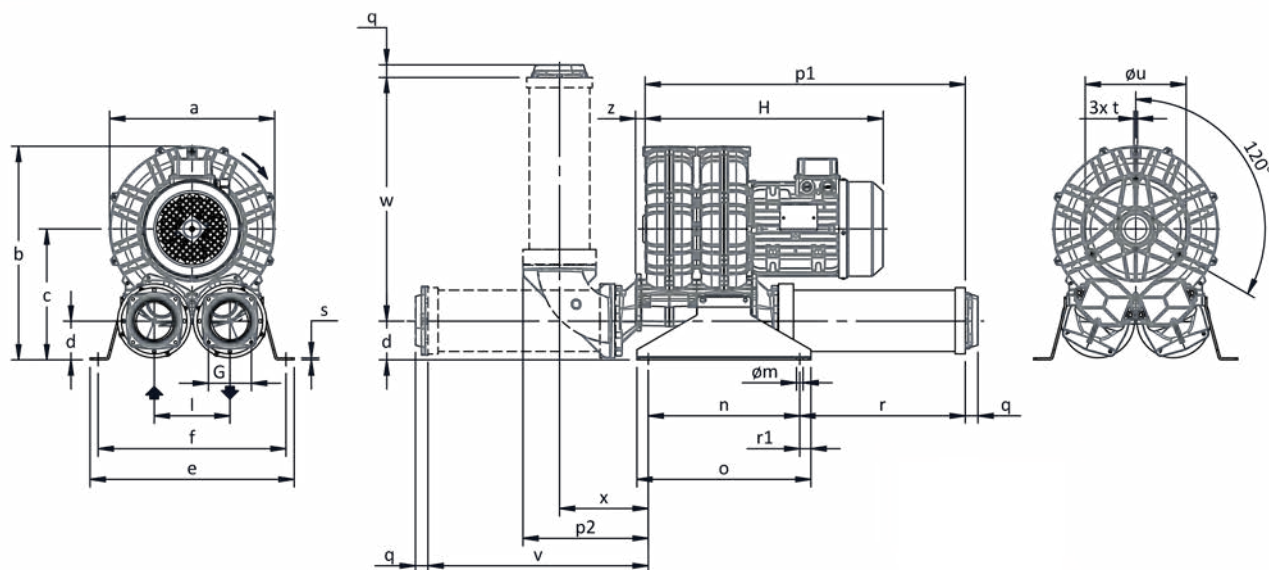
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
376	455	267	75	-	404	374	G 3"	155	-	-	13	300	345	662	268	25	335	22.5	4	M8	240	455	481	195	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

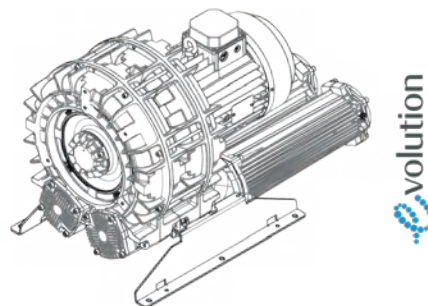
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

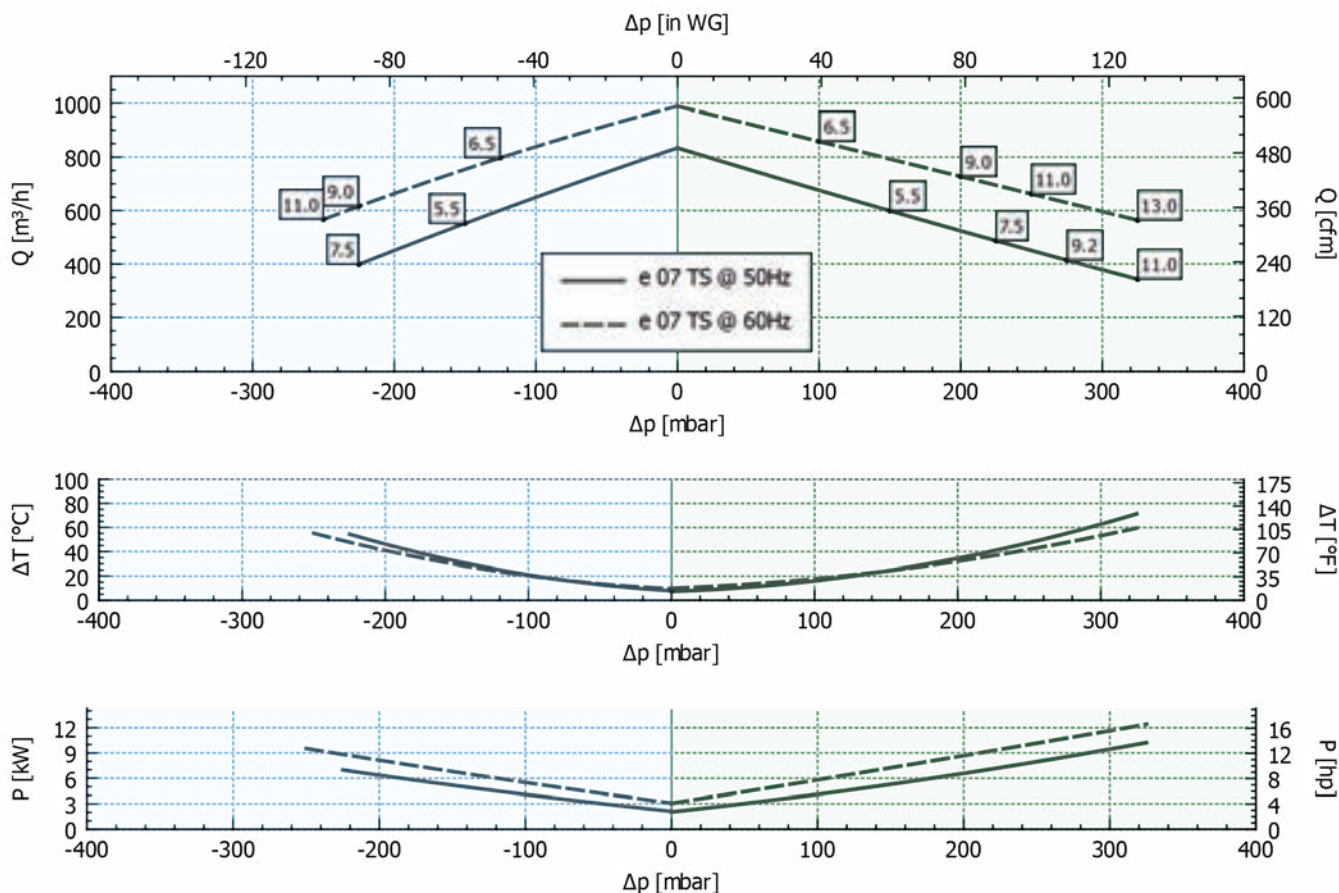
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	150	150	834	73	106	580	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	125	100	989	77	106	580	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	225	225	834	73	112	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	225	200	989	77	112	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	275	834	73	117	620	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	250	250	989	77	117	620	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	325	834	73	123	620	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	325	989	77	123	620	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

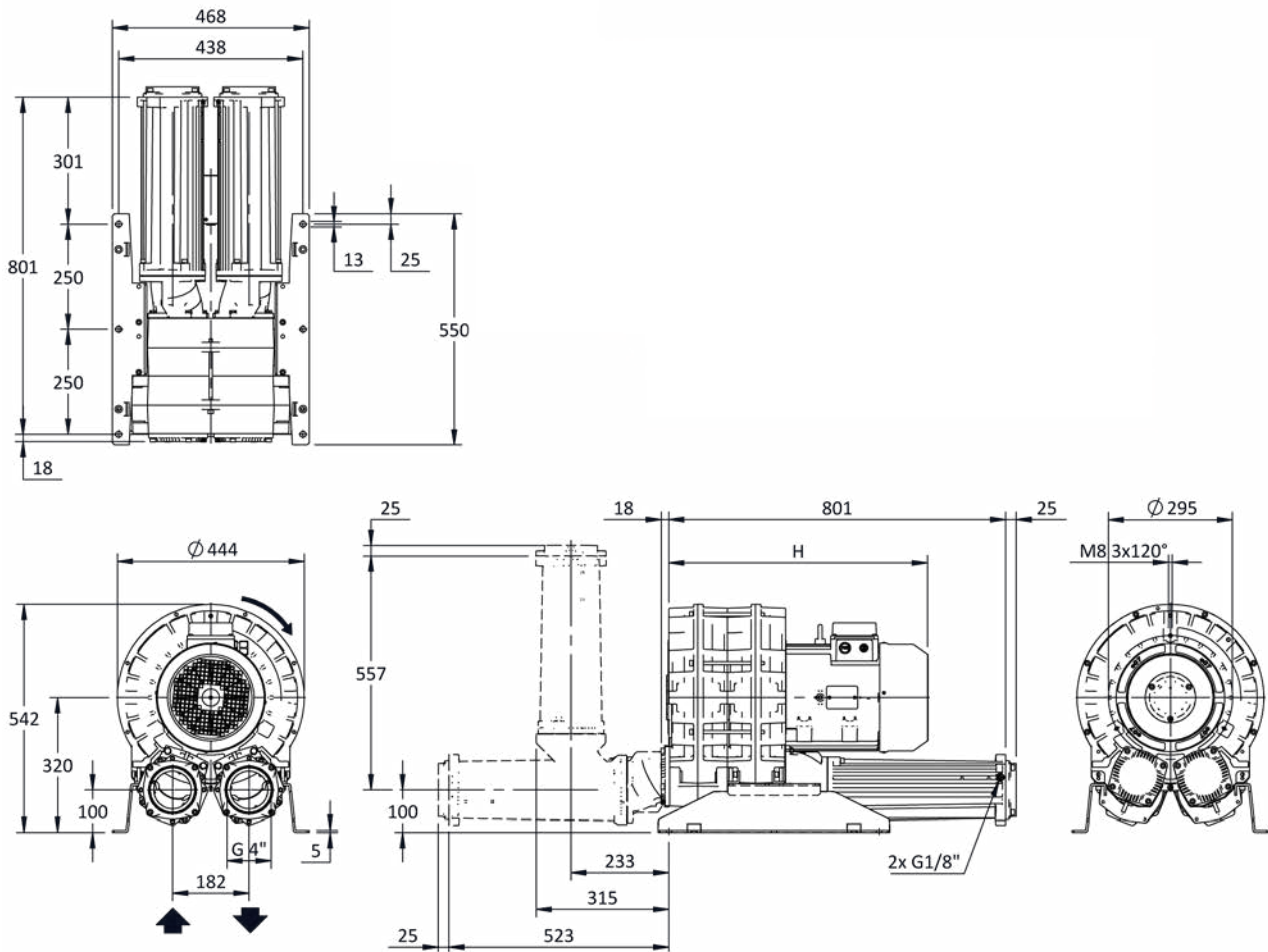


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

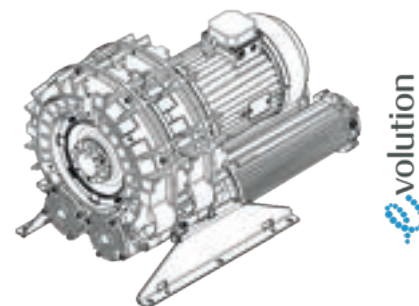
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



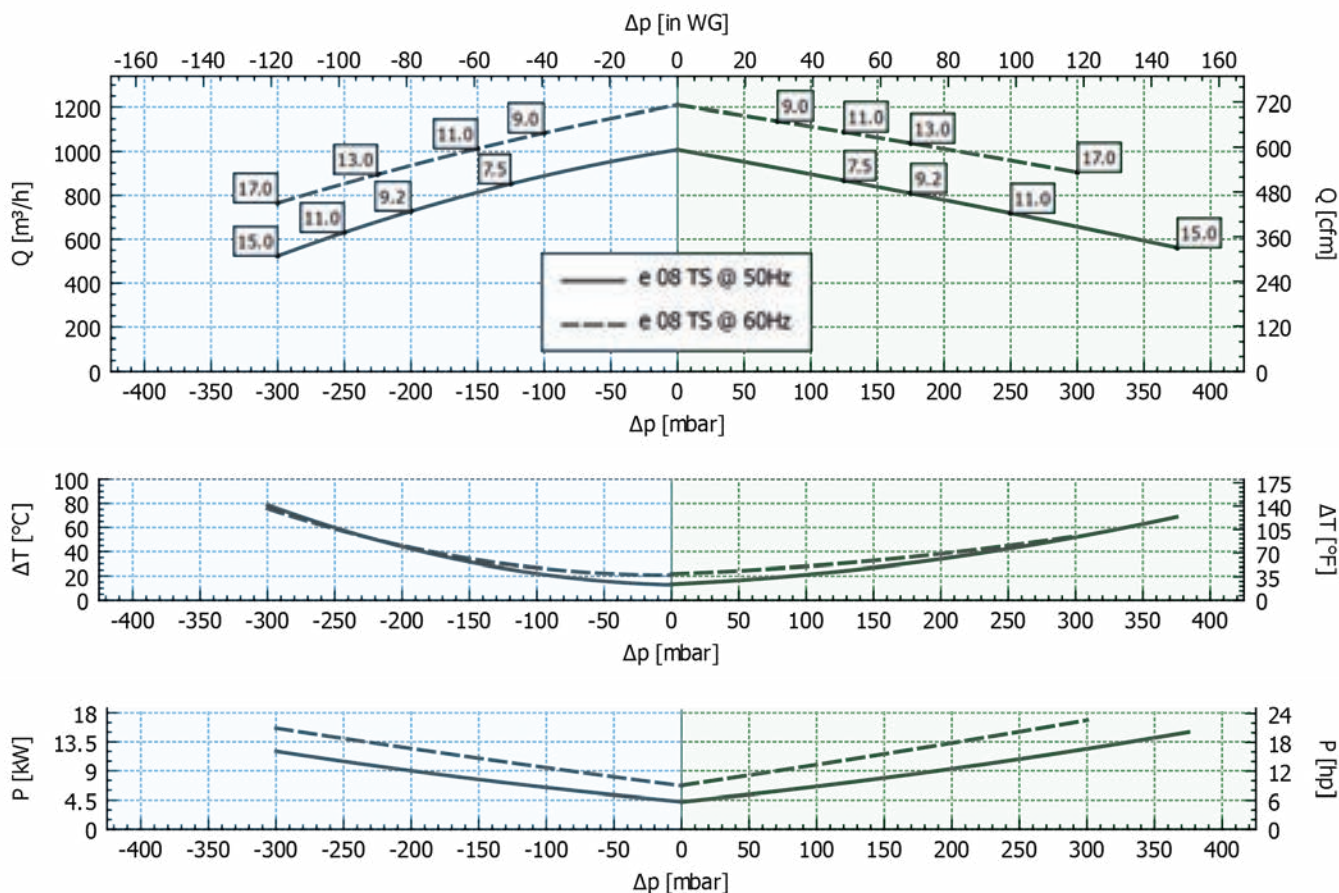
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	125	125	1008	78.2	120	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	100	75	1210	83.8	120	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	200	175	1008	78.2	125	615	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	150	125	1210	83.8	125	615	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	250	250	1008	78.2	132	615	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	225	175	1210	83.8	132	615	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	300	375	1008	78.2	150	690	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	300	300	1210	83.8	150	690	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. See figure "dimensions" at following page.

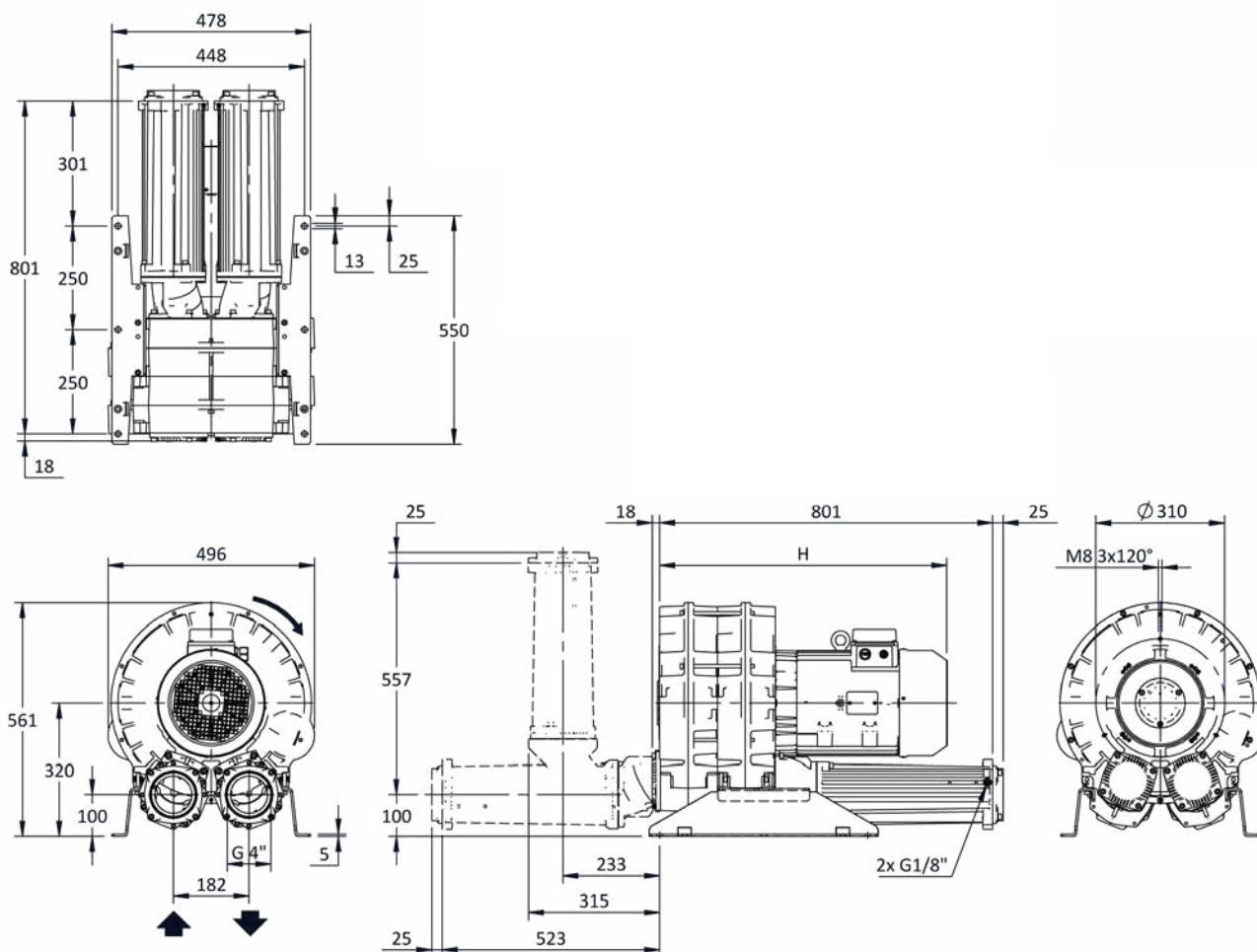
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

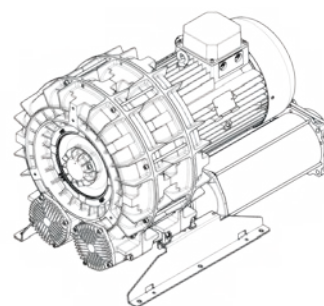
Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.

Performance Table

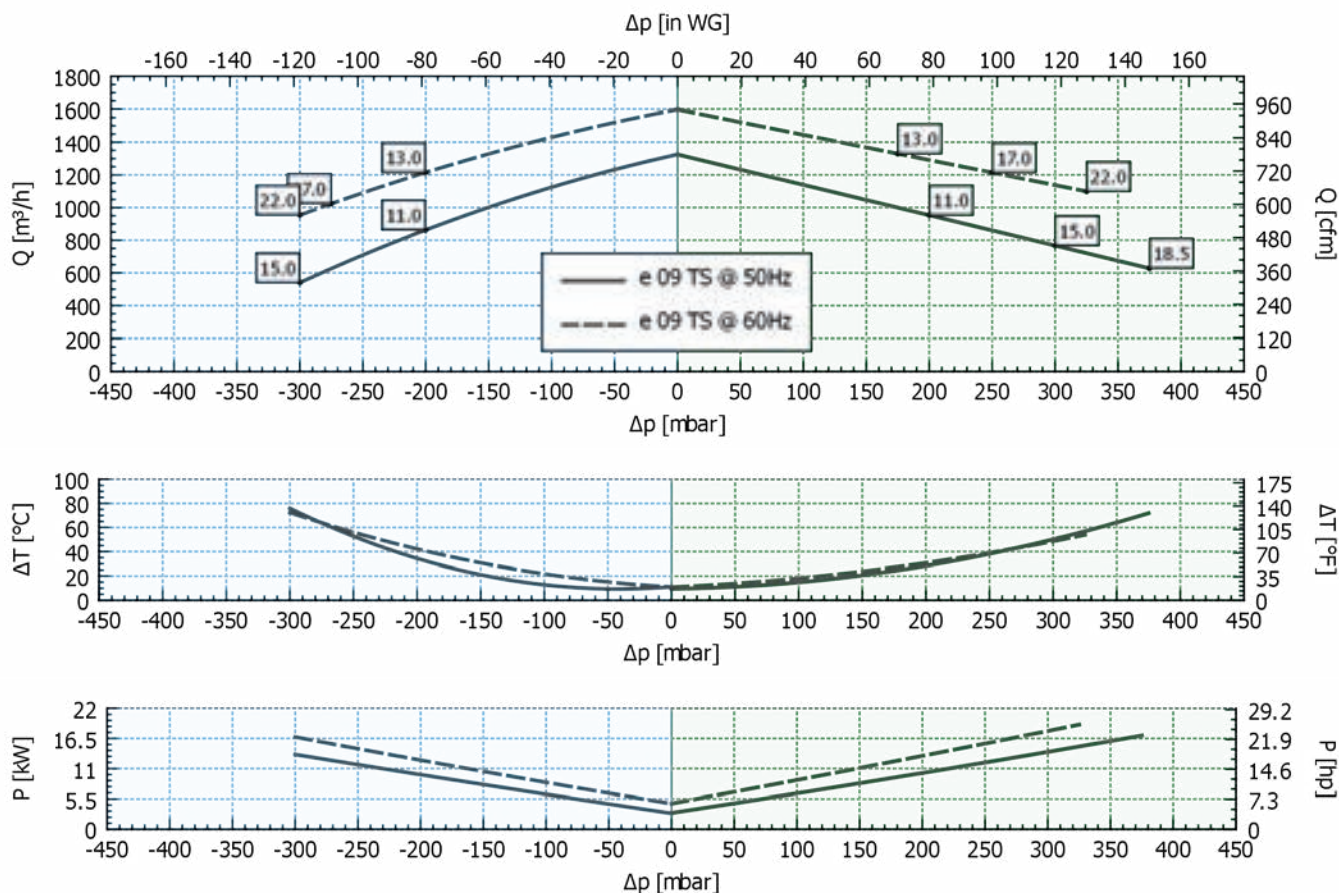
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	200	200	1325	81	144	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	200	175	1599	84	144	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	300	300	1325	81	161	725	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	275	250	1599	84	161	725	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	375	1325	81	185	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	300	325	1599	84	185	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

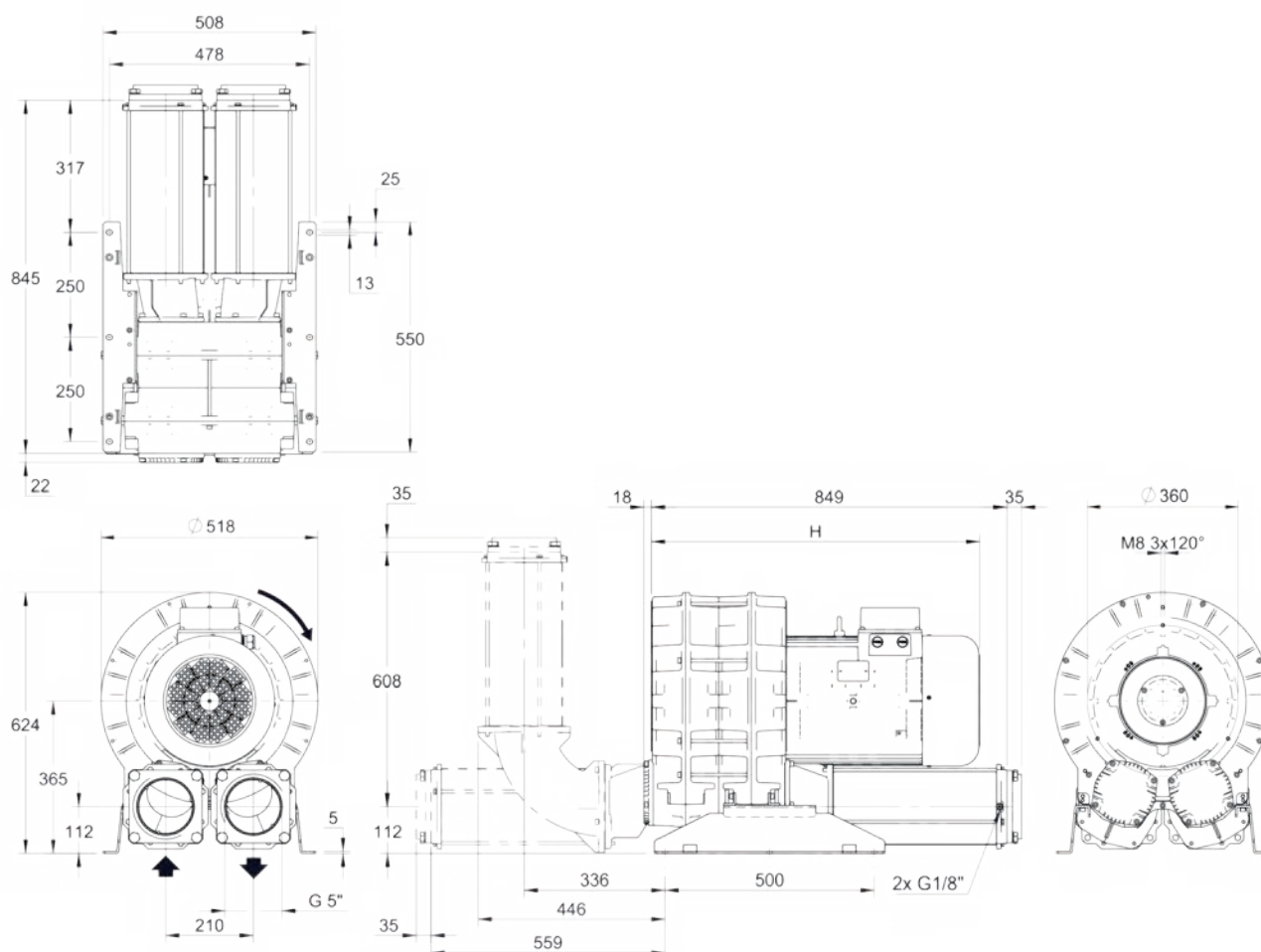


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

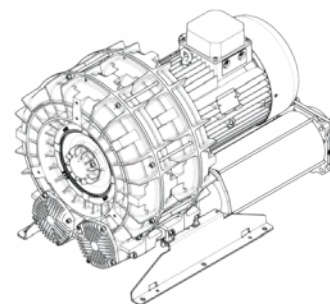
Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.

Performance Table

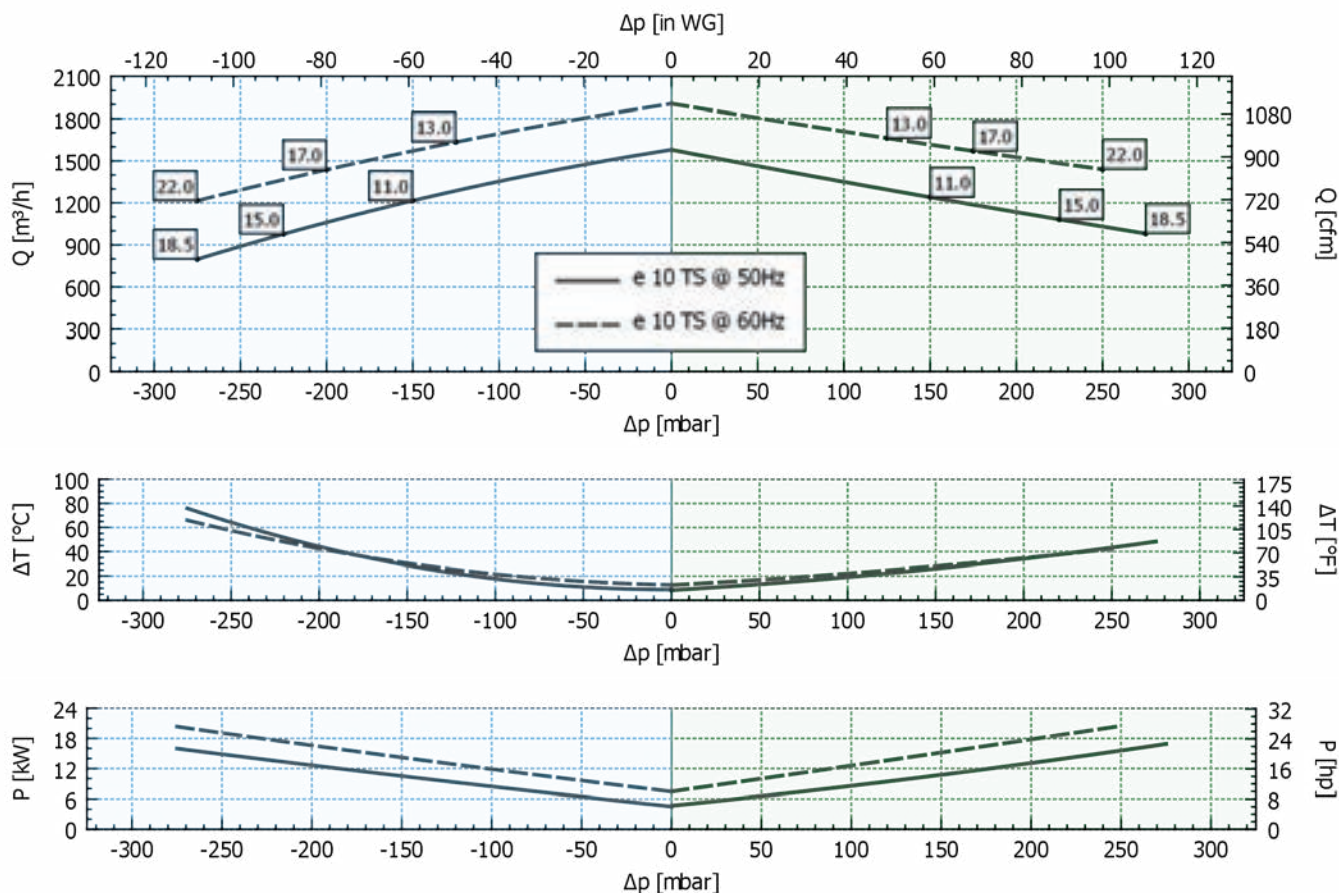
P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	150	150	1579	82	150	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	125	125	1906	85	150	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	225	225	1579	82	167	725	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	200	175	1906	85	167	725	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	275	275	1579	82	191	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	275	250	1906	85	191	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

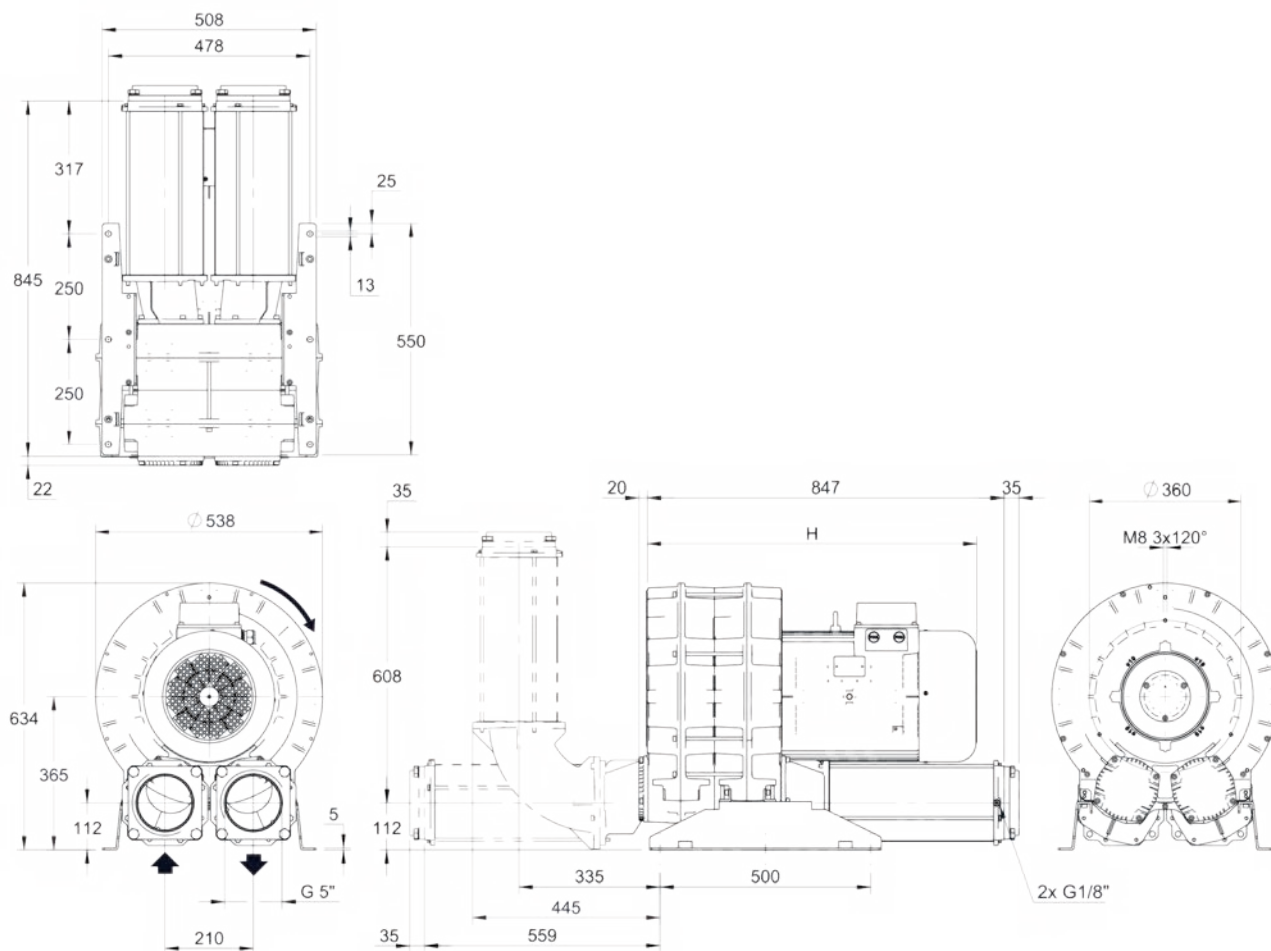


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

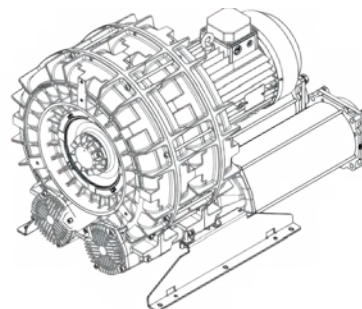
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



Performance Table

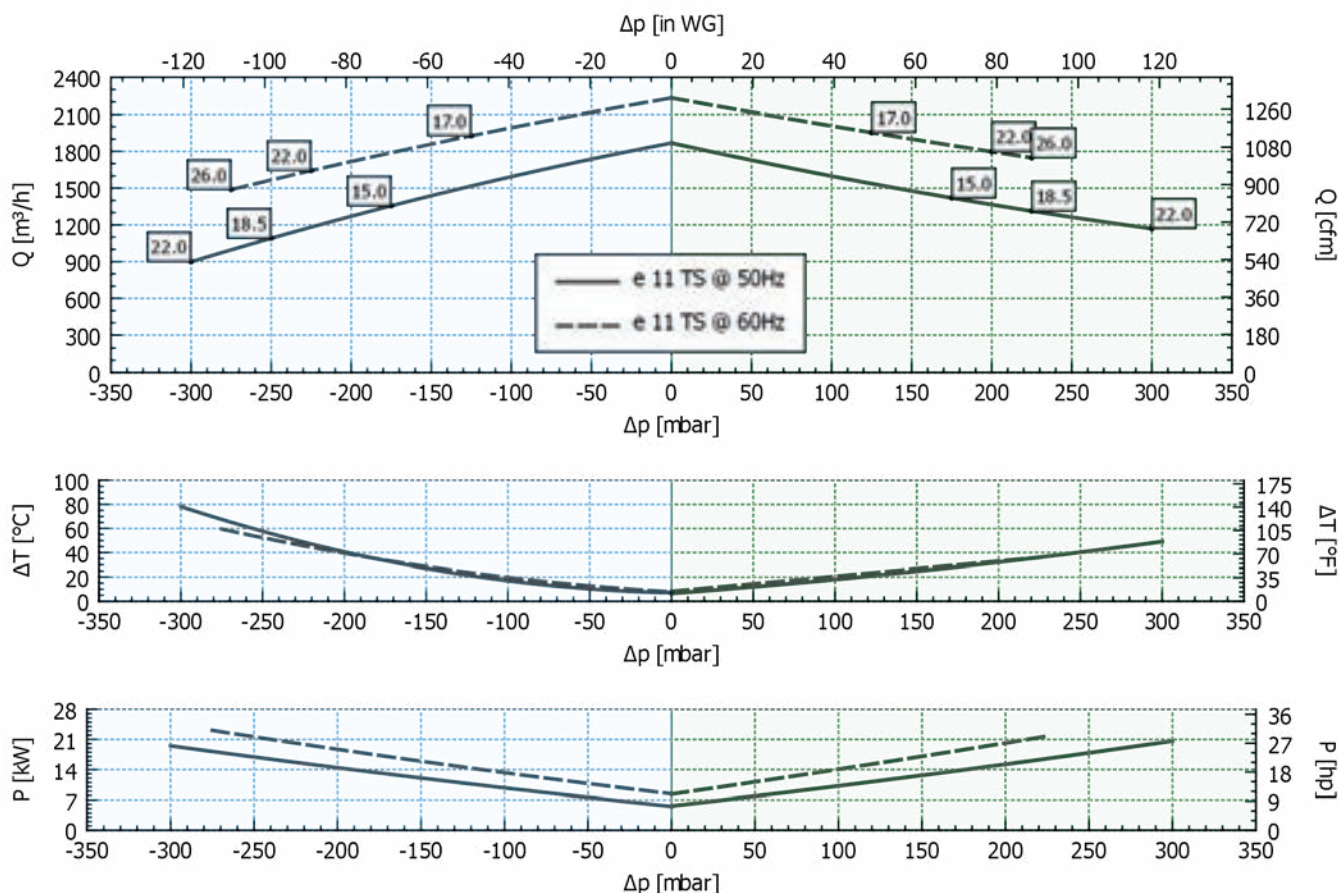
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	175	175	1868	82	189	740	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	125	125	2232	86	189	740	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	250	225	1868	82	210	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	225	200	2232	86	210	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550
22	50	300	300	1868	82	222	800	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26	60	275	225	2232	86	222	800	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

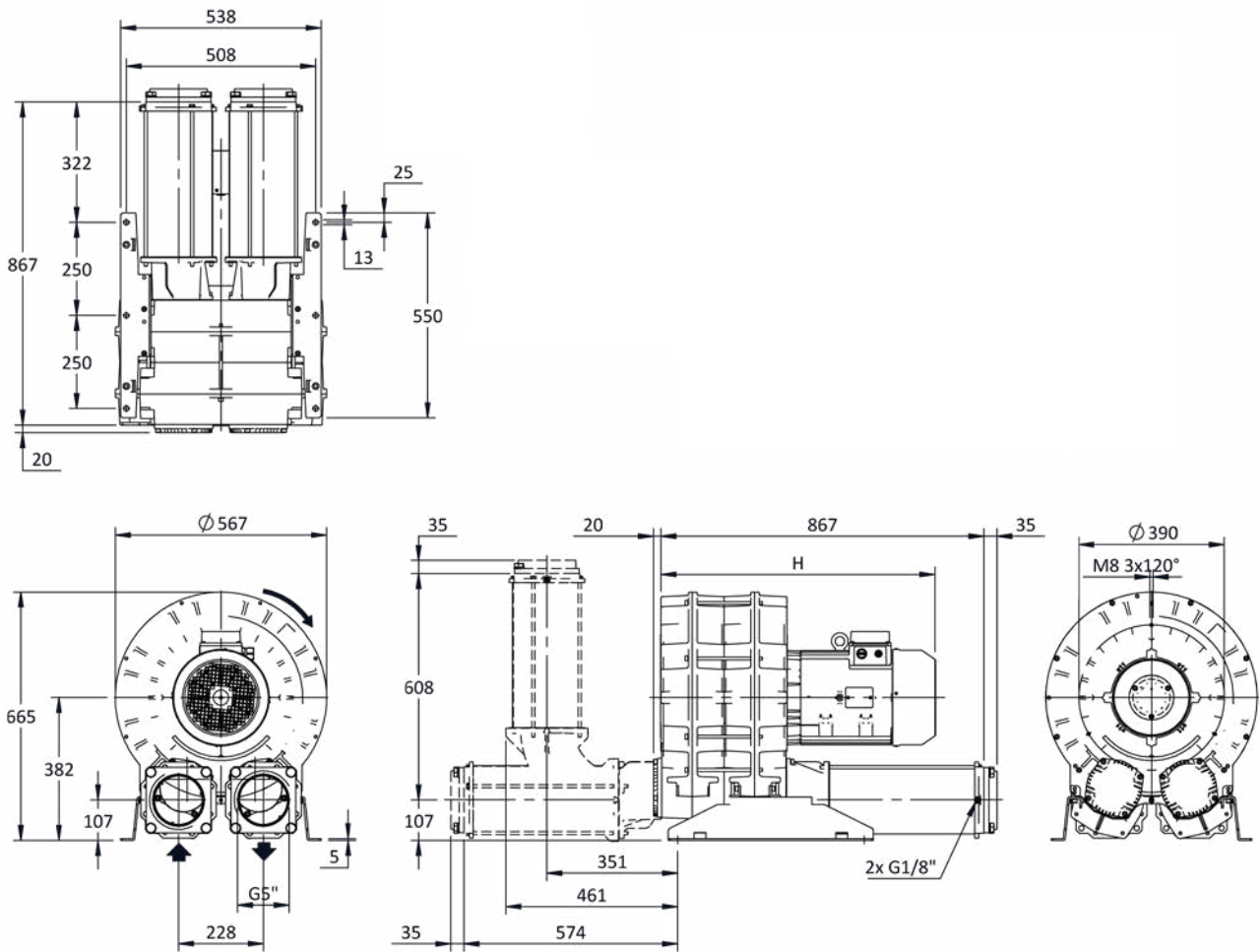


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

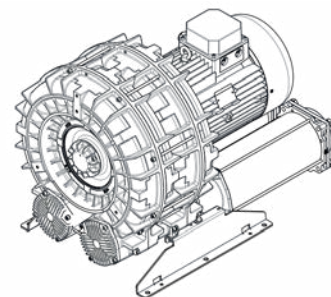
Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.

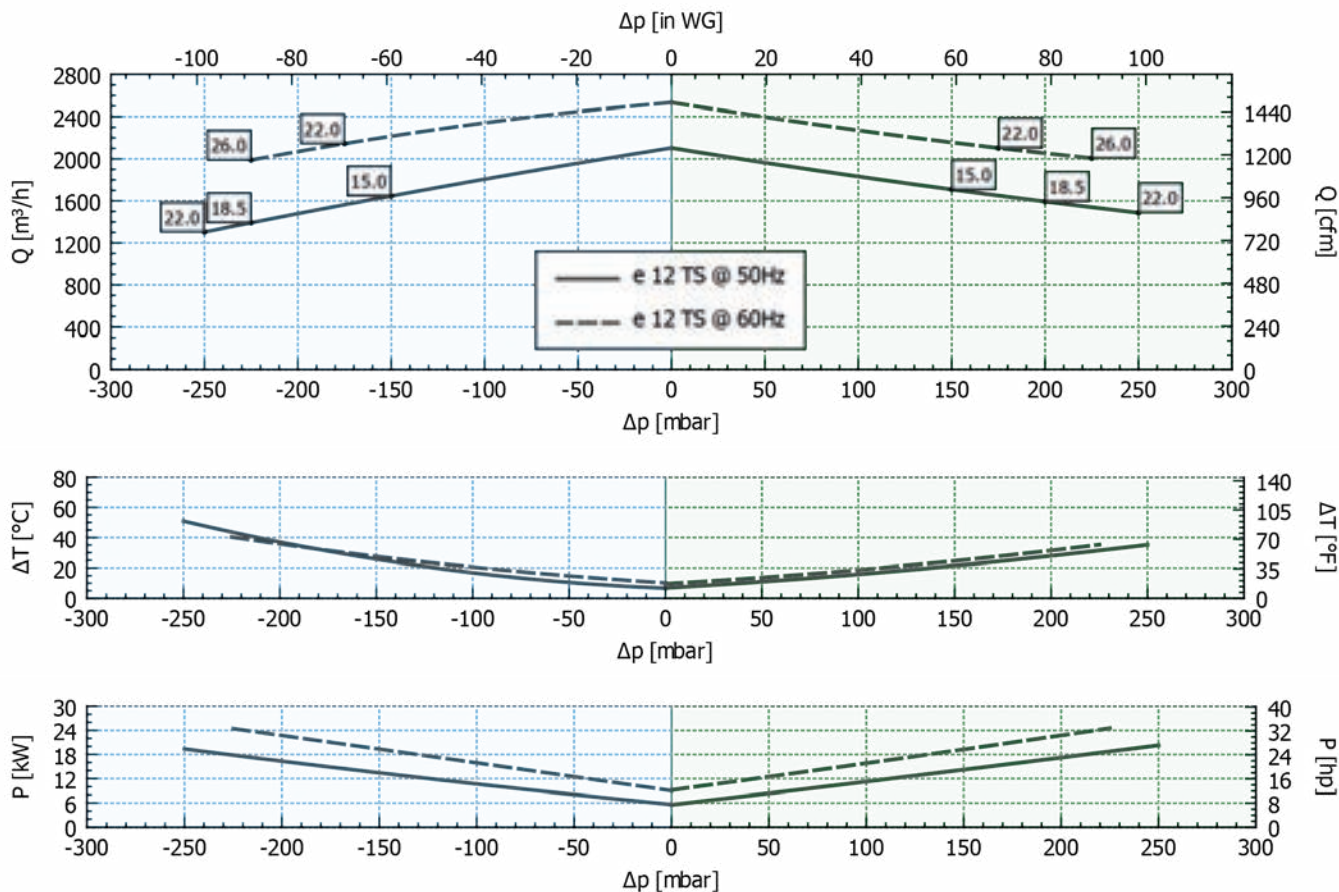
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	150	150	2104	84	190	745	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
18.5	50	225	200	2104	84	211	805	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	175	175	2534	88	211	805	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550
22	50	250	250	2104	84	223	805	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26	60	225	225	2534	88	223	805	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

SUCTION

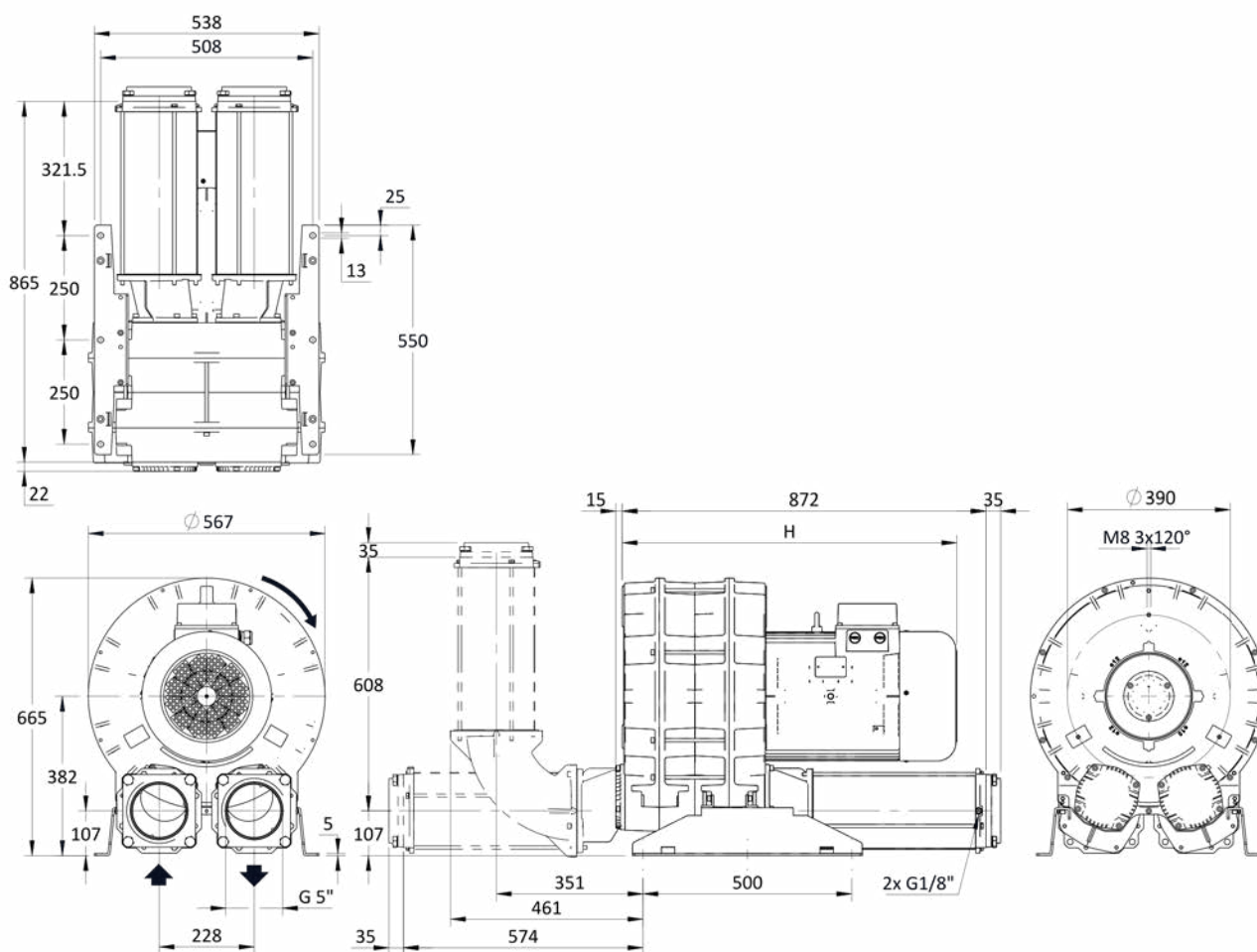
COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).



Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to Effepizeta.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

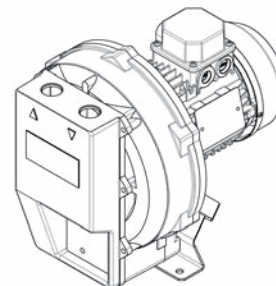
- IE3 Wide Range cRus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 - 415 / 200 - 240	50
Range	380 - 480 / 220 - 280	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



Performance Table

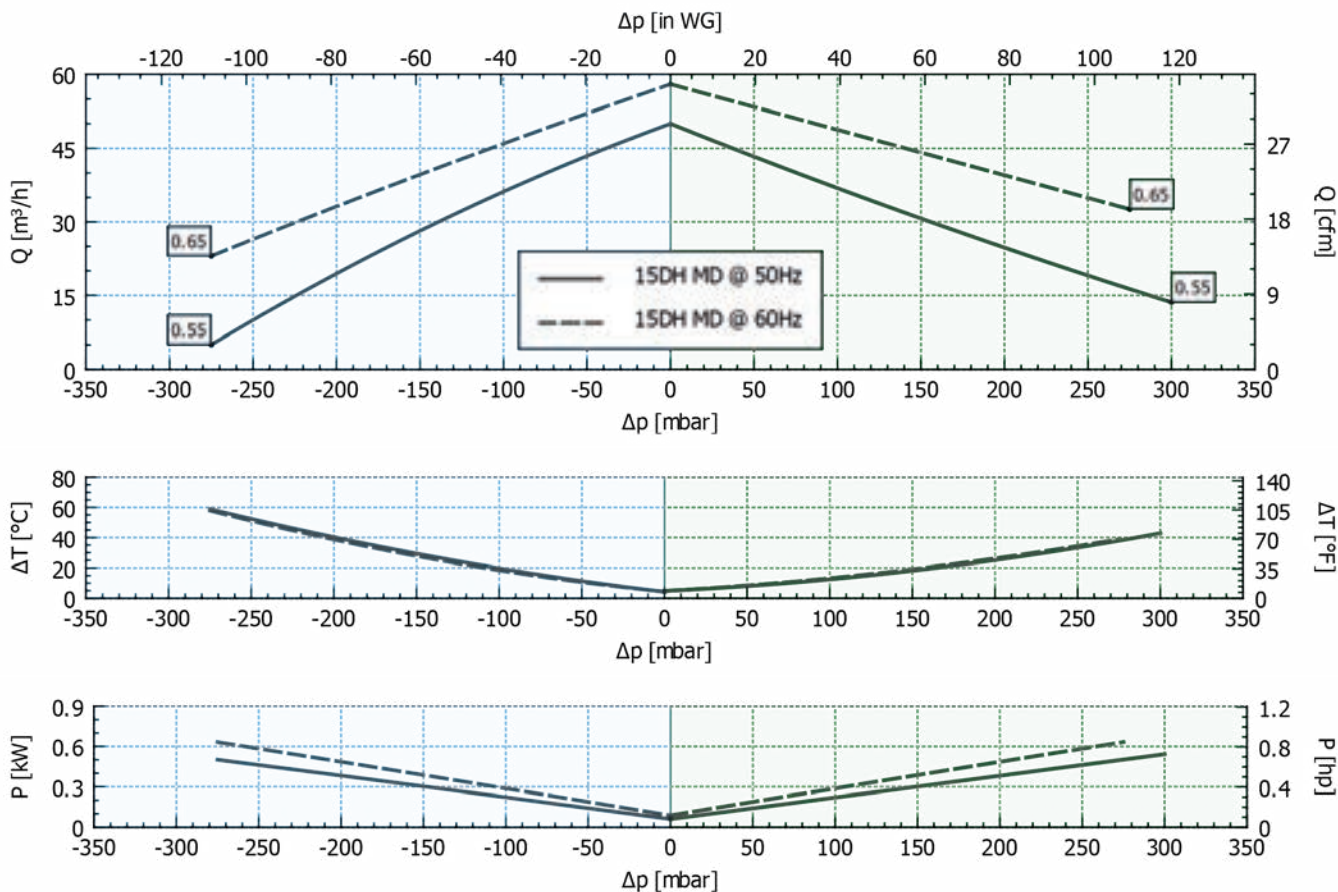
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.55	50	275	300	50	62	12.5	335	1.44 / 2.49	1.43-1.50 / 2.48-2.60	0.70	2855
0.65	60	275	275	58	64	12.5	335	1.39 / 2.41	1.47-1.43 / 2.55-2.48	0.73	3450

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

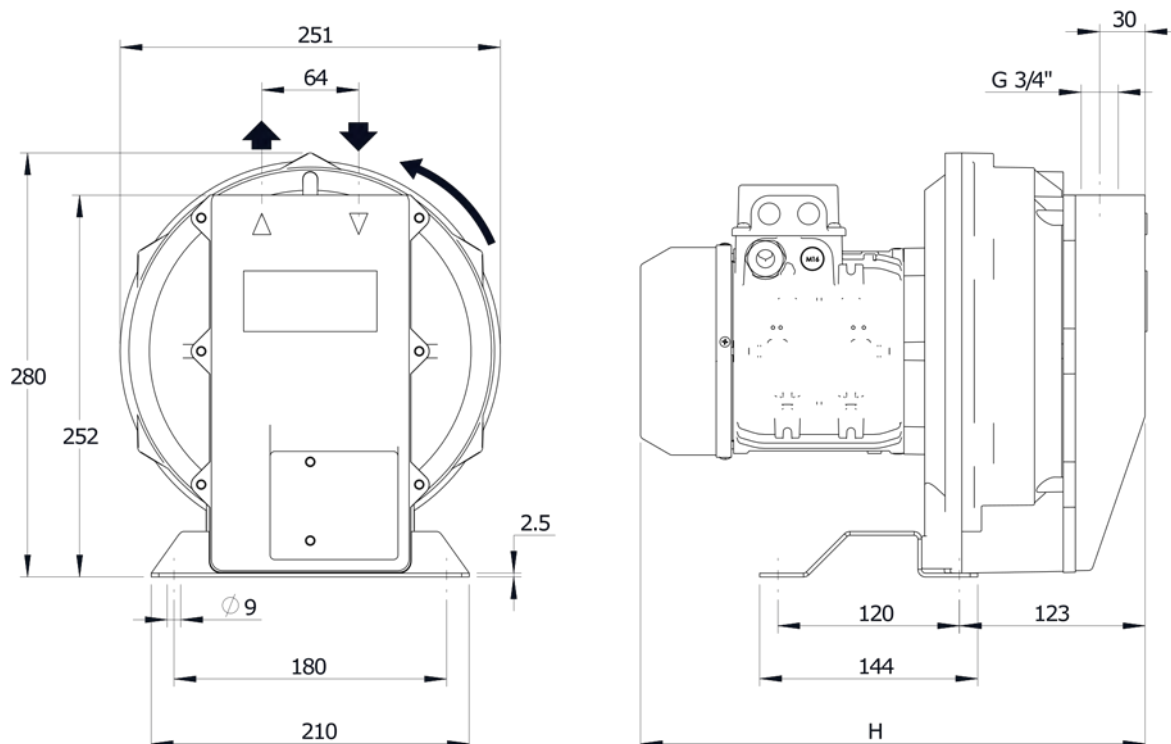


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

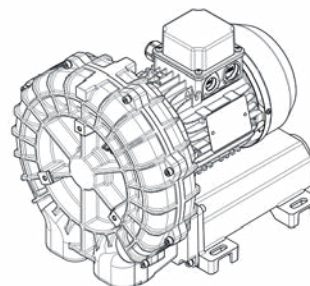
Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.

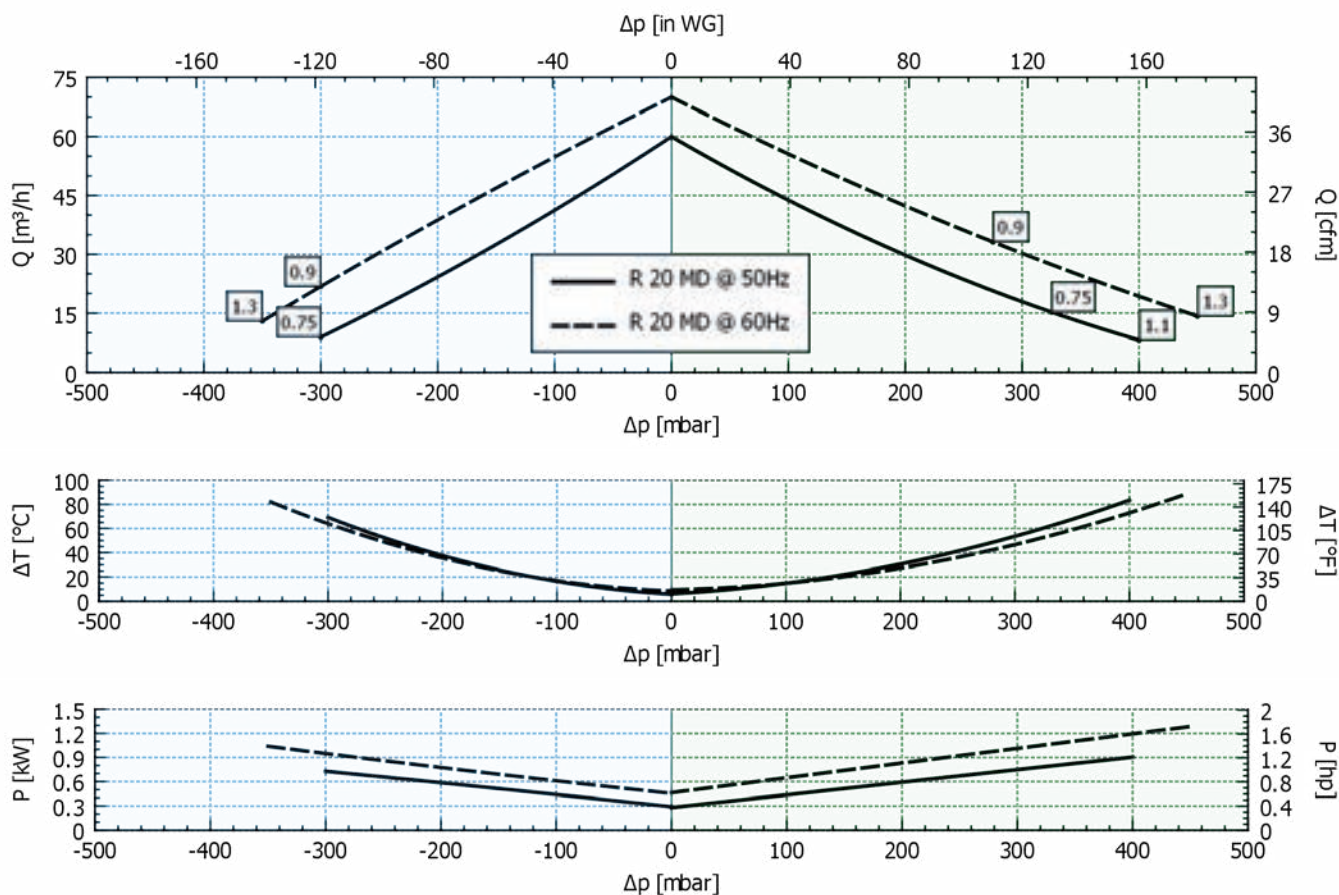
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.75	50	300	325	60	67	19	345	1.67 / 2.89	1.78-1.68 / 3.08-2.91	0.79	2890
0.9	60	300	275	70	69	19	345	1.69 / 2.93	1.91-1.68 / 3.31-2.91	0.82	3465
1.1	50	-	400	60	67	21	345	2.33 / 4.04	2.56-2.32 / 4.43-4.02	0.82	2880
1.3	60	350	450	70	69	21	345	2.32 / 4.02	2.69-2.30 / 4.66-3.98	0.84	3475

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

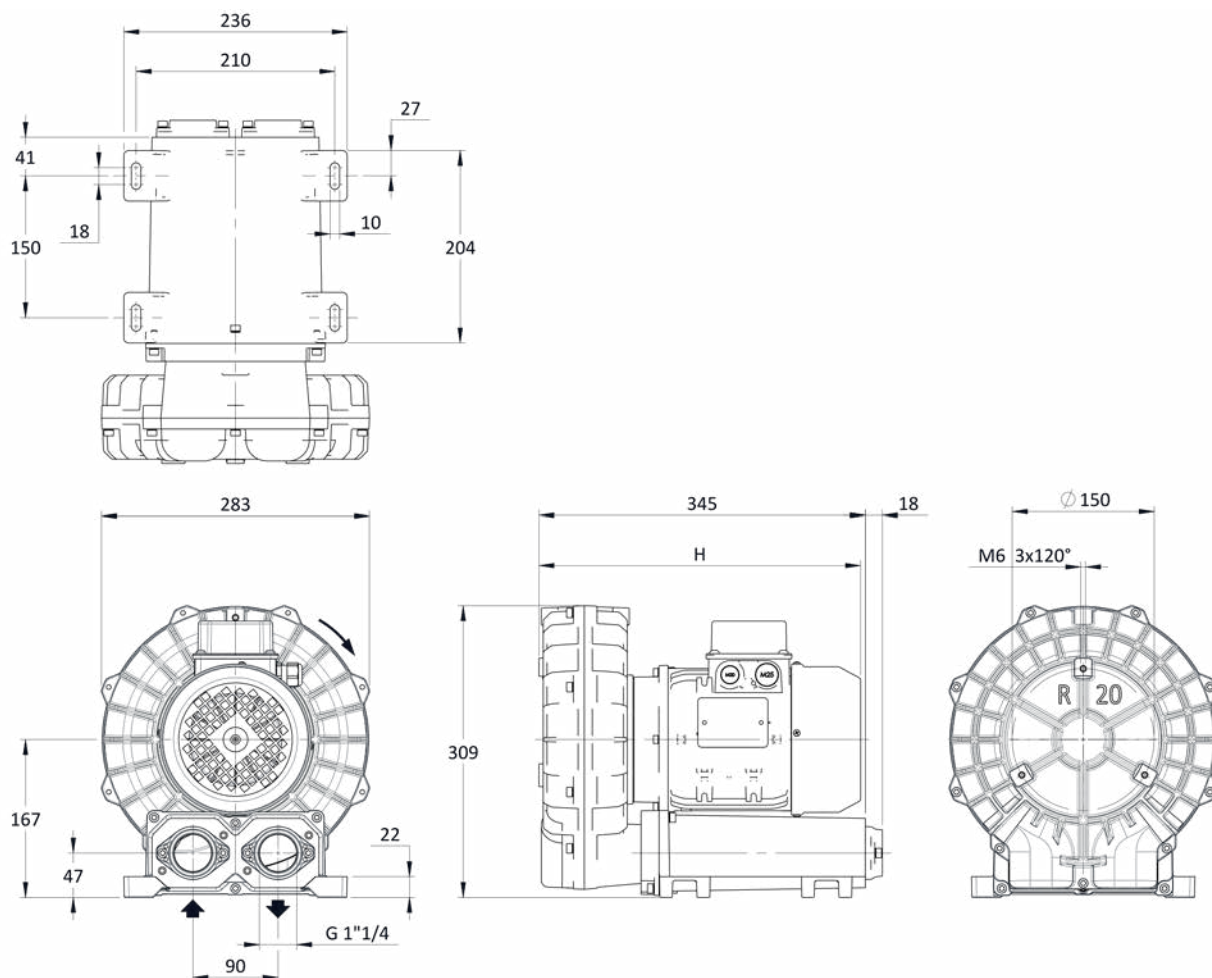
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

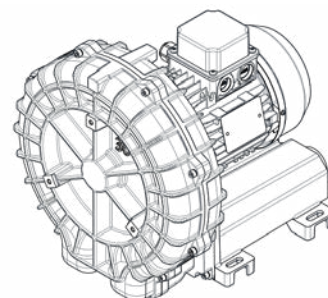
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide Range	345 – 415 / 200 – 240	50
	380 – 480 / 220 – 280	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



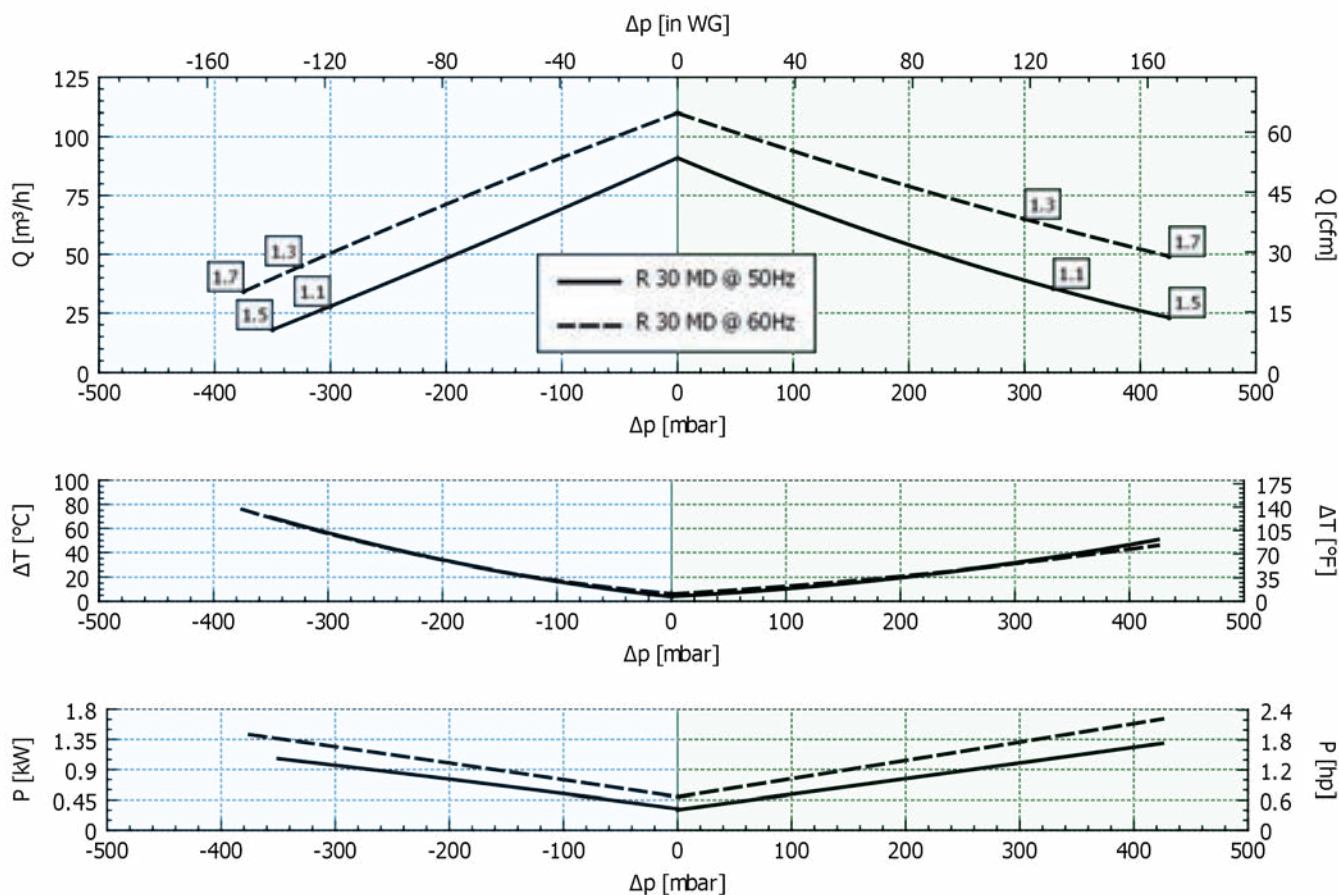
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
1.1	50	300	325	91	70	27	350	2.33 / 4.04	2.56-2.32 / 4.43-4.02	0.82	2880
1.3	60	325	300	110	73	27	350	2.32 / 4.02	2.69-2.30 / 4.66-3.98	0.84	3475
1.5	50	350	425	91	70	30	350	3.14 / 5.44	3.40-3.16 / 5.89-5.47	0.82	2880
1.7	60	375	425	110	73	30	350	3.02 / 5.23	3.52-3.03 / 6.10-5.25	0.84	3470

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

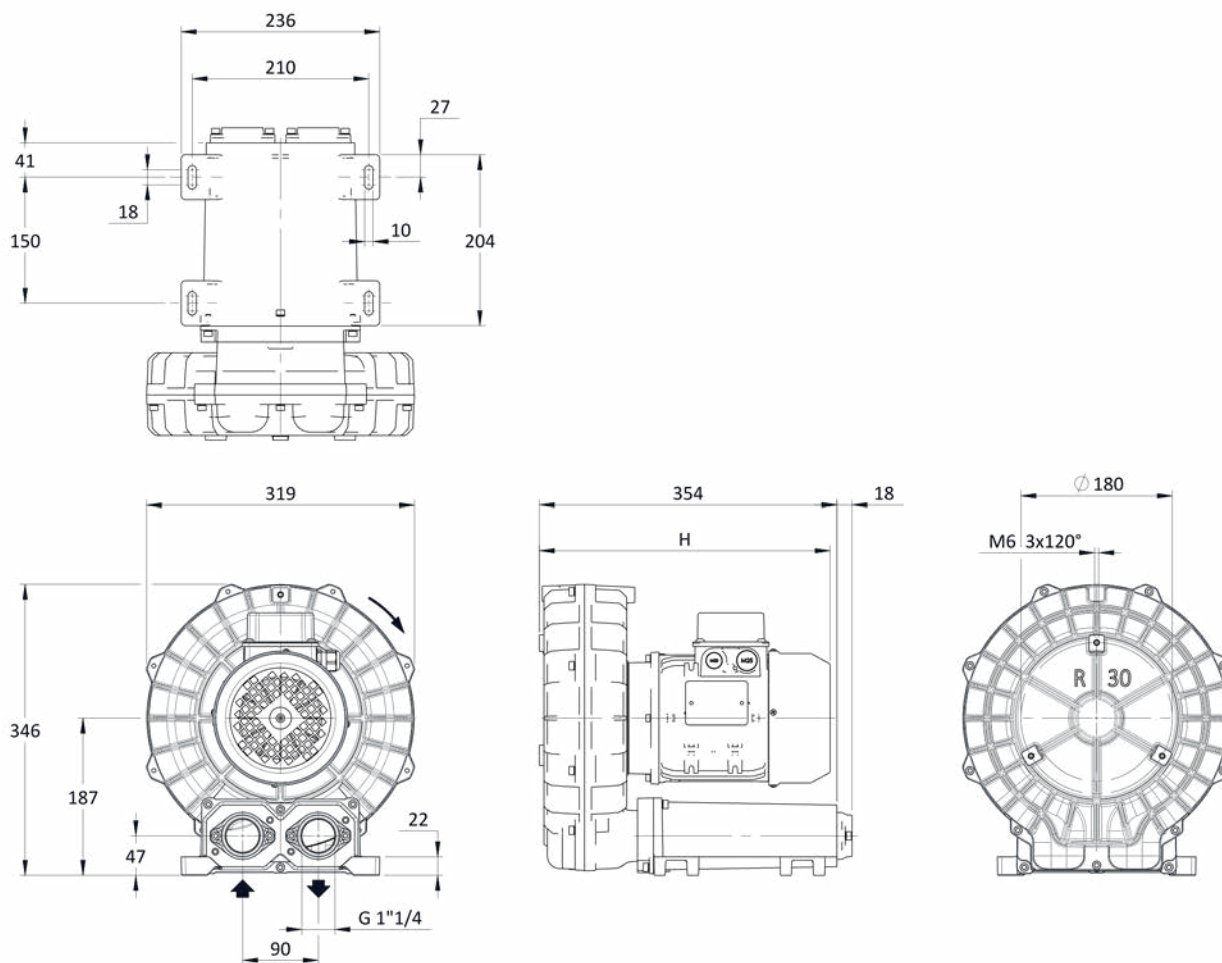
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

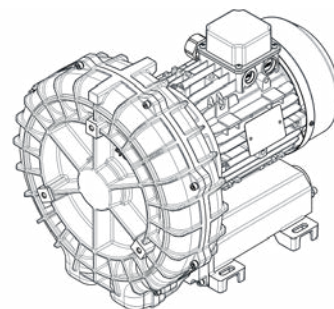
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



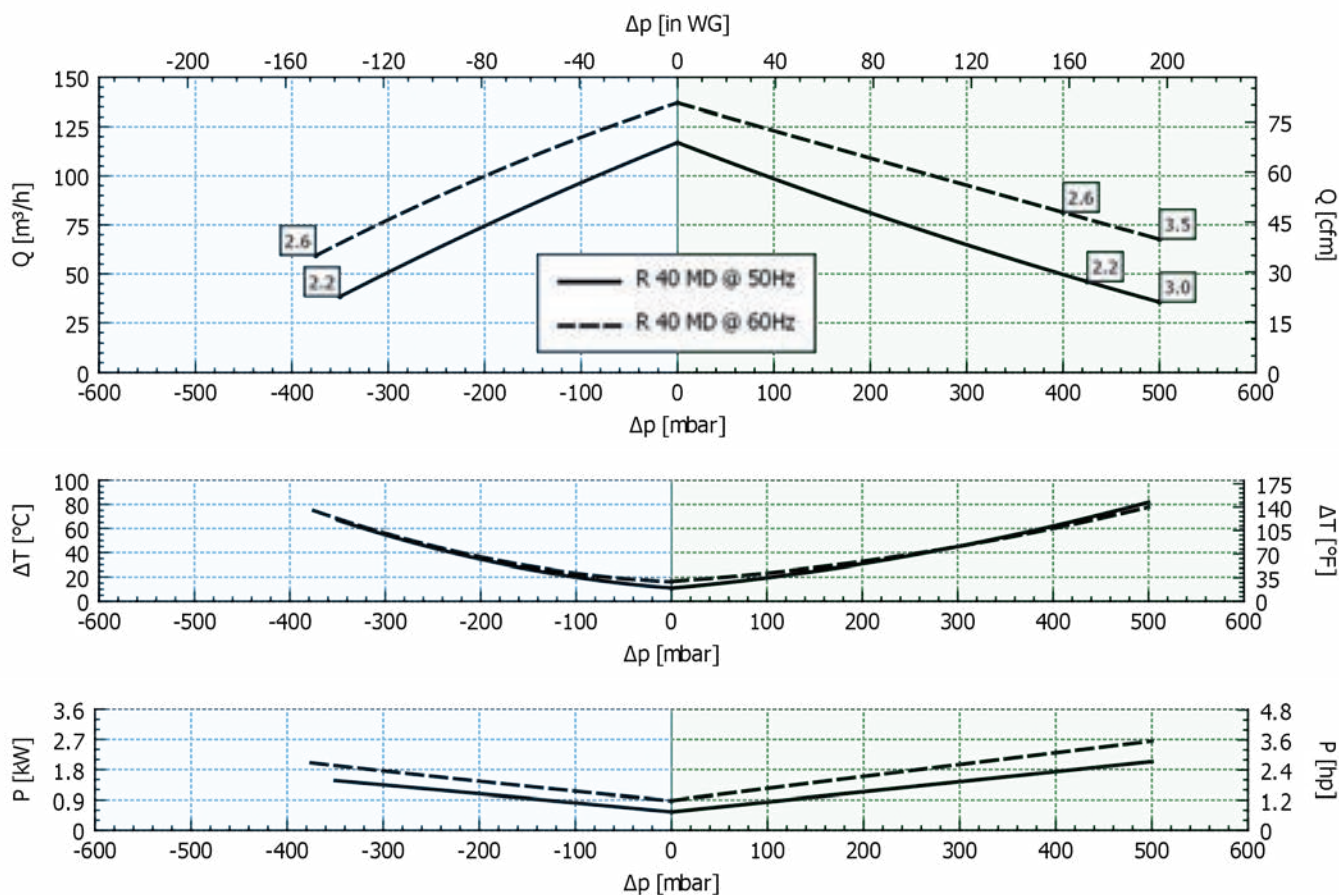
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	350	425	117	71	35	415	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	375	400	137	73	35	415	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	-	500	117	71	41	435	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	-	500	137	73	41	435	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

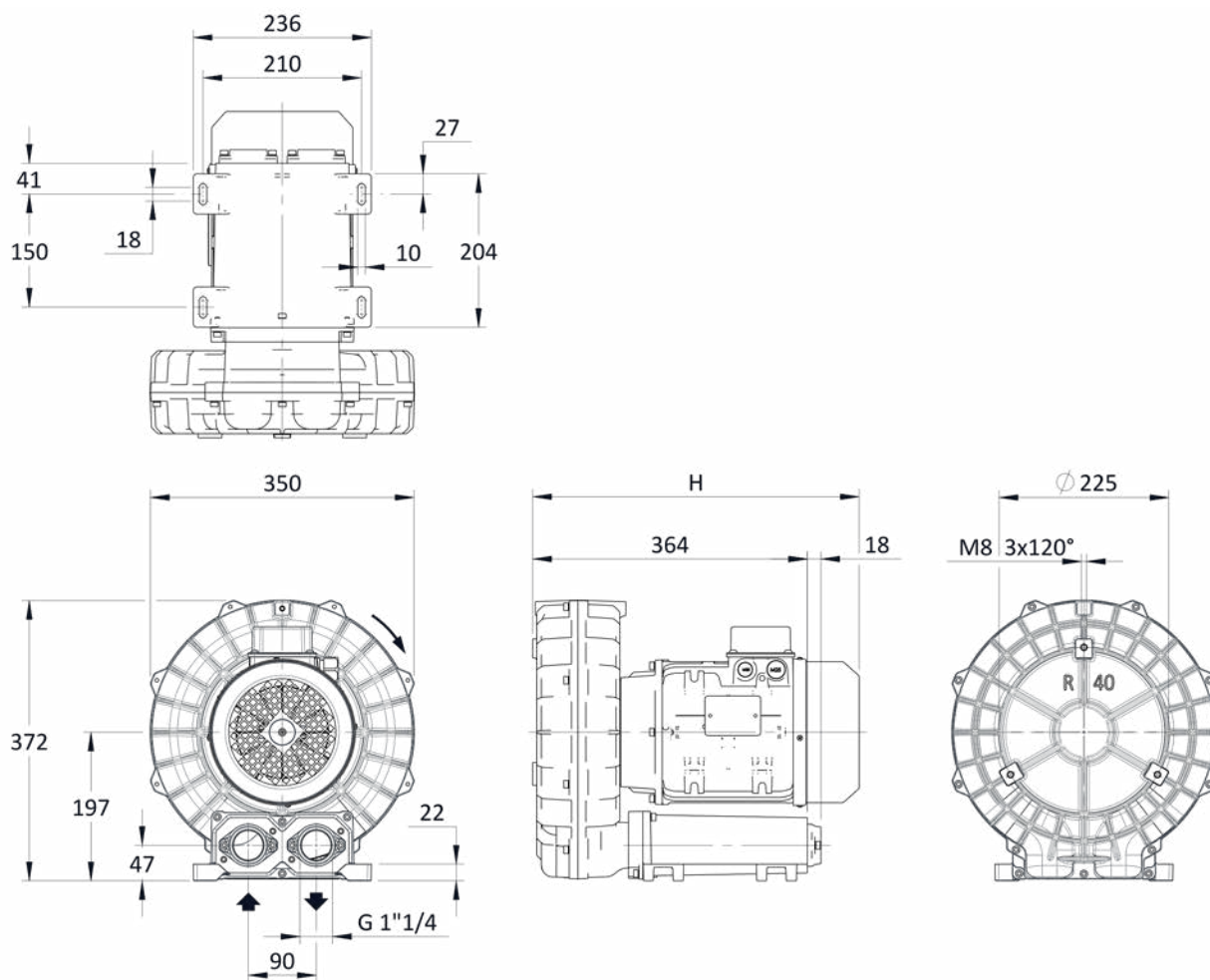
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

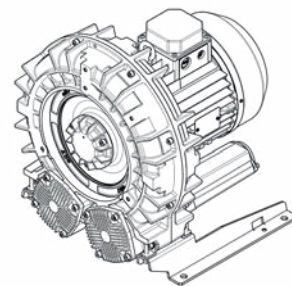
Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



evolution

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 - 415 / 200 - 240	600 - 720 / 345 - 415	50
	380 - 480 / 220 - 280	660 - 830 / 380 - 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.

Performance Table

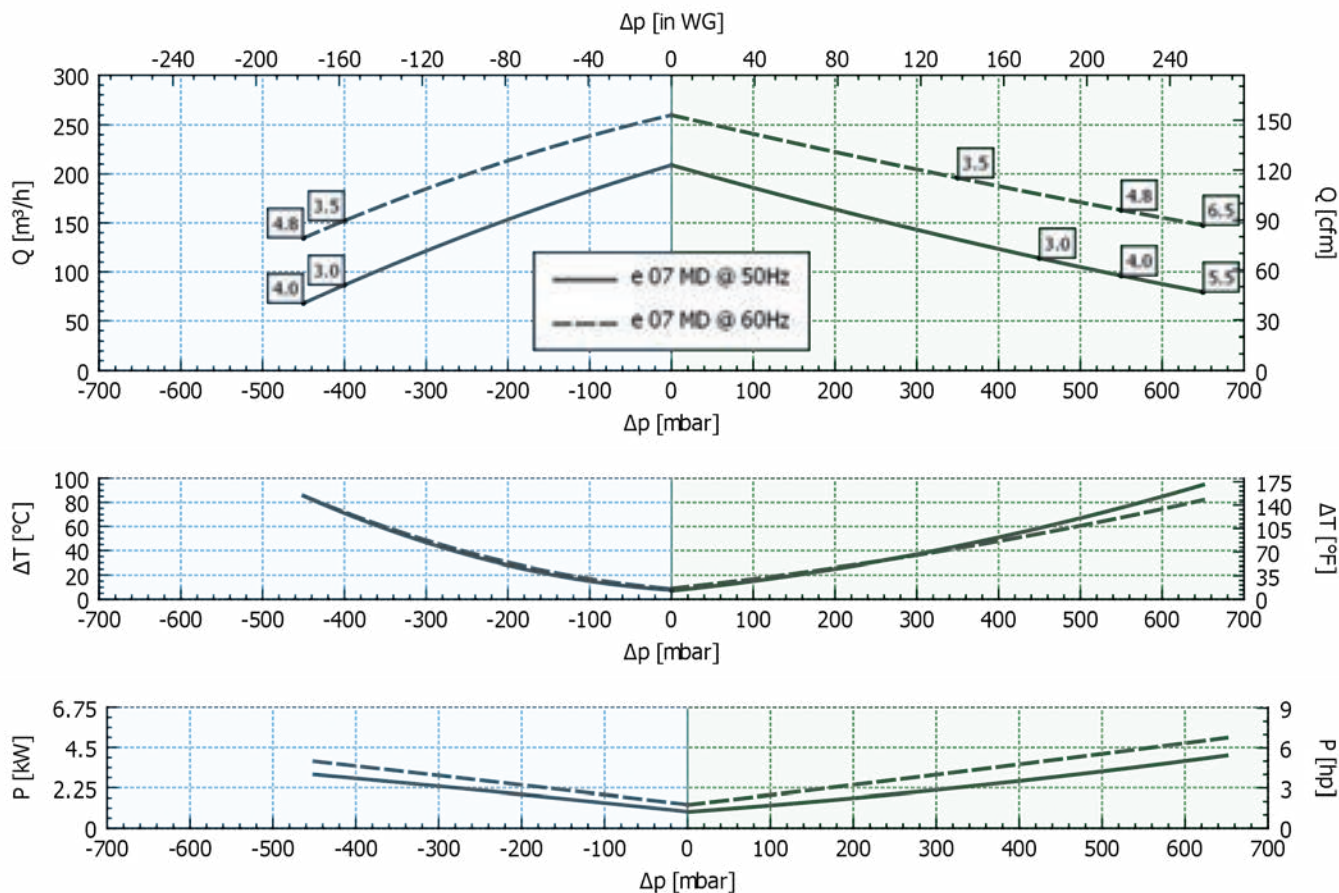
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	400	450	209	72	57	400	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	400	350	260	77	57	400	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	450	550	209	72	59	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	450	550	260	77	59	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	-	650	209	72	70	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	-	650	260	77	70	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

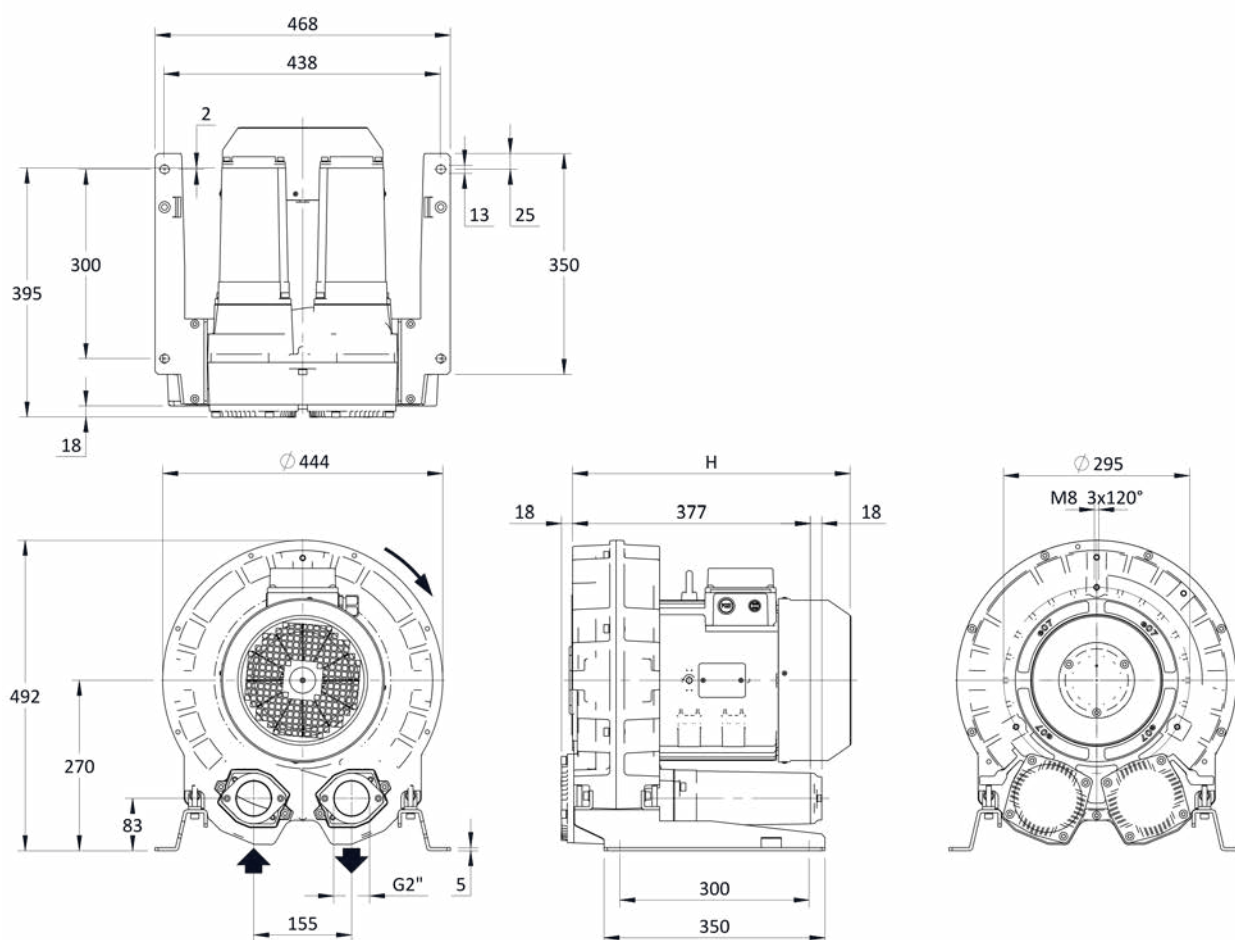


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

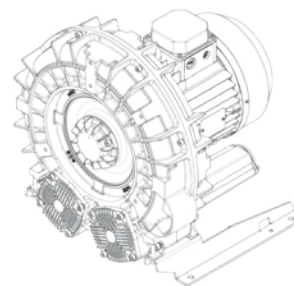
Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



evolution

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 - 415 / 200 - 240	600 - 720 / 345 - 415	50
	380 - 480 / 220 - 280	660 - 830 / 380 - 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.

Performance Table

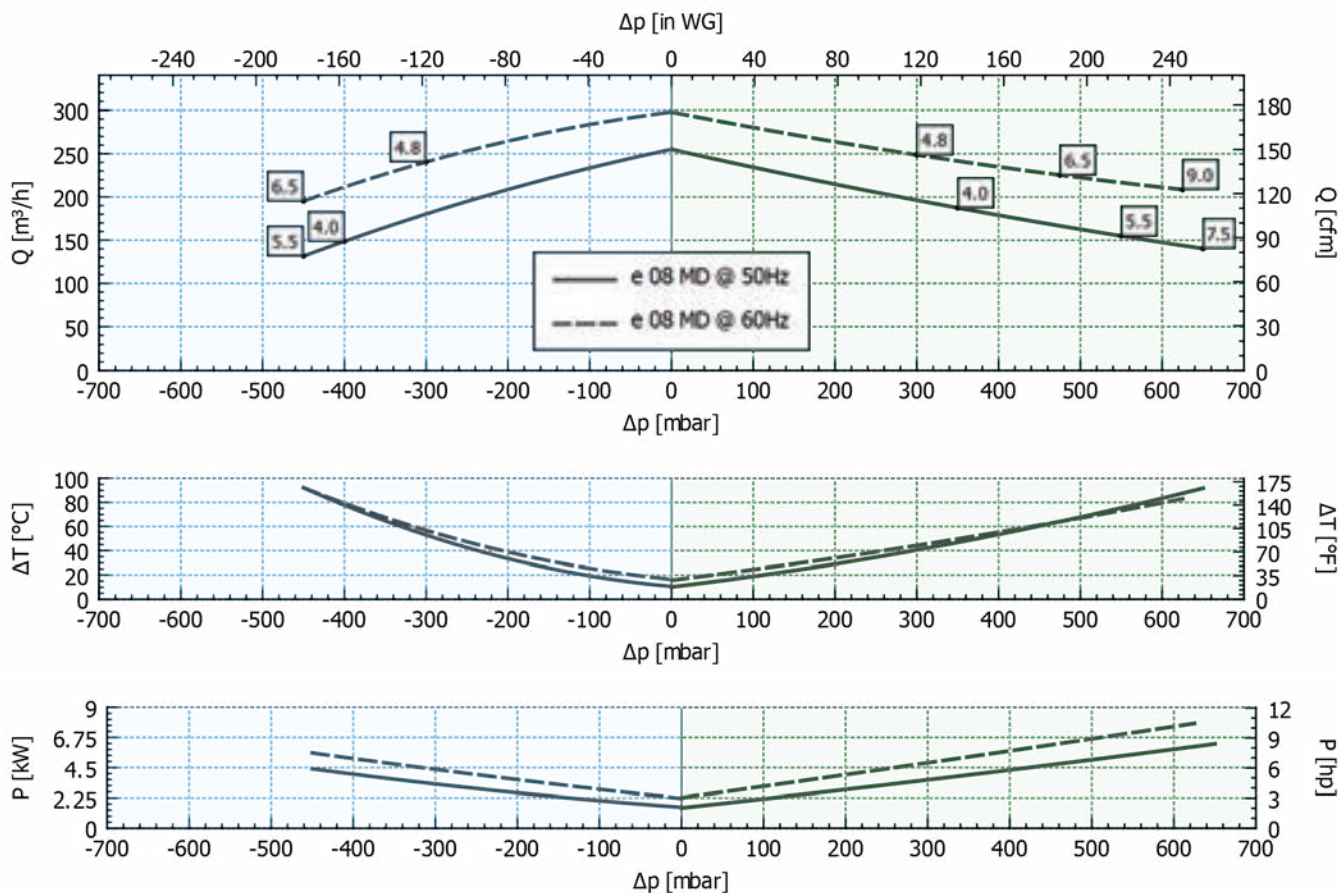
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	400	350	255	73	65	410	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	300	300	301	78	65	410	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	450	550	255	73	77	440	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	450	475	301	78	77	440	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	650	255	73	83	440	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	-	625	301	78	83	440	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

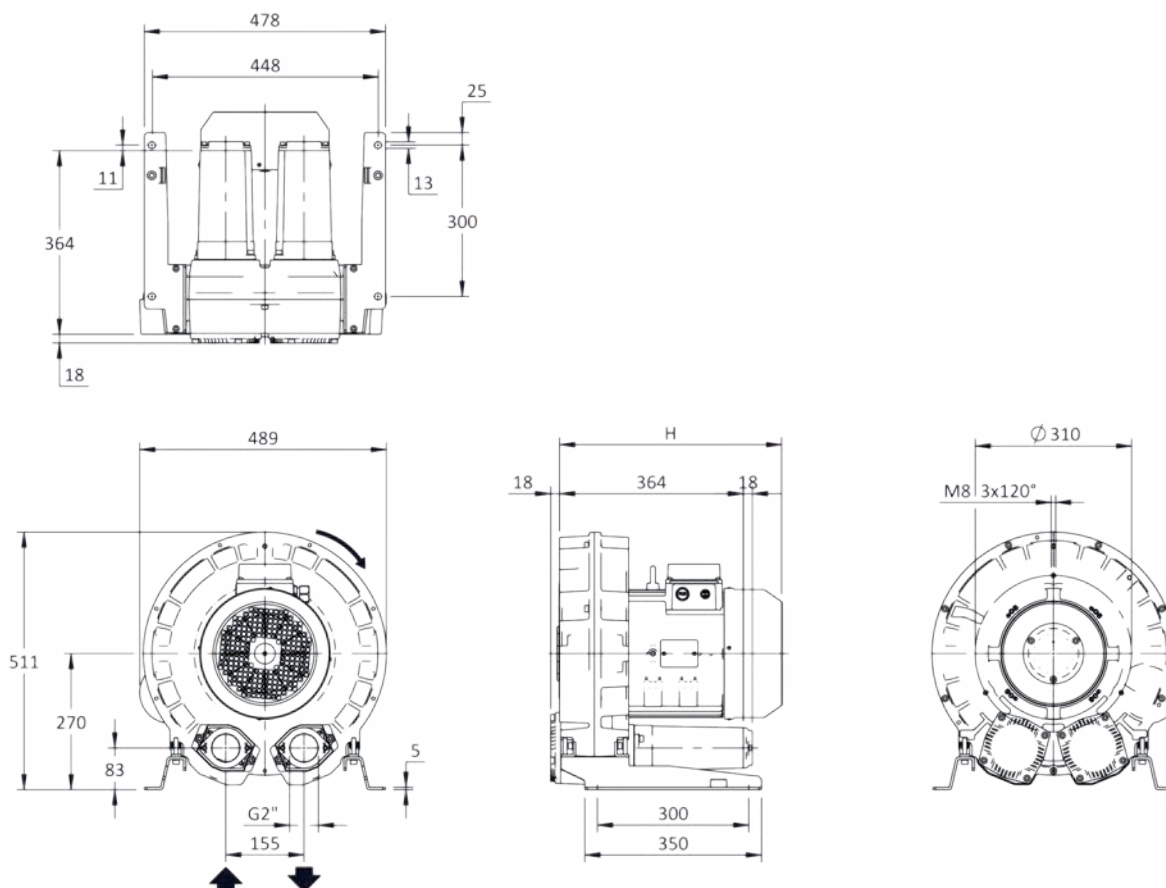


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

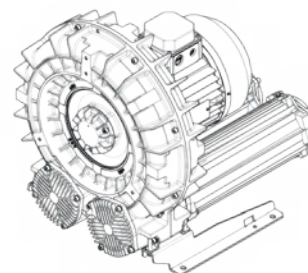
Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.

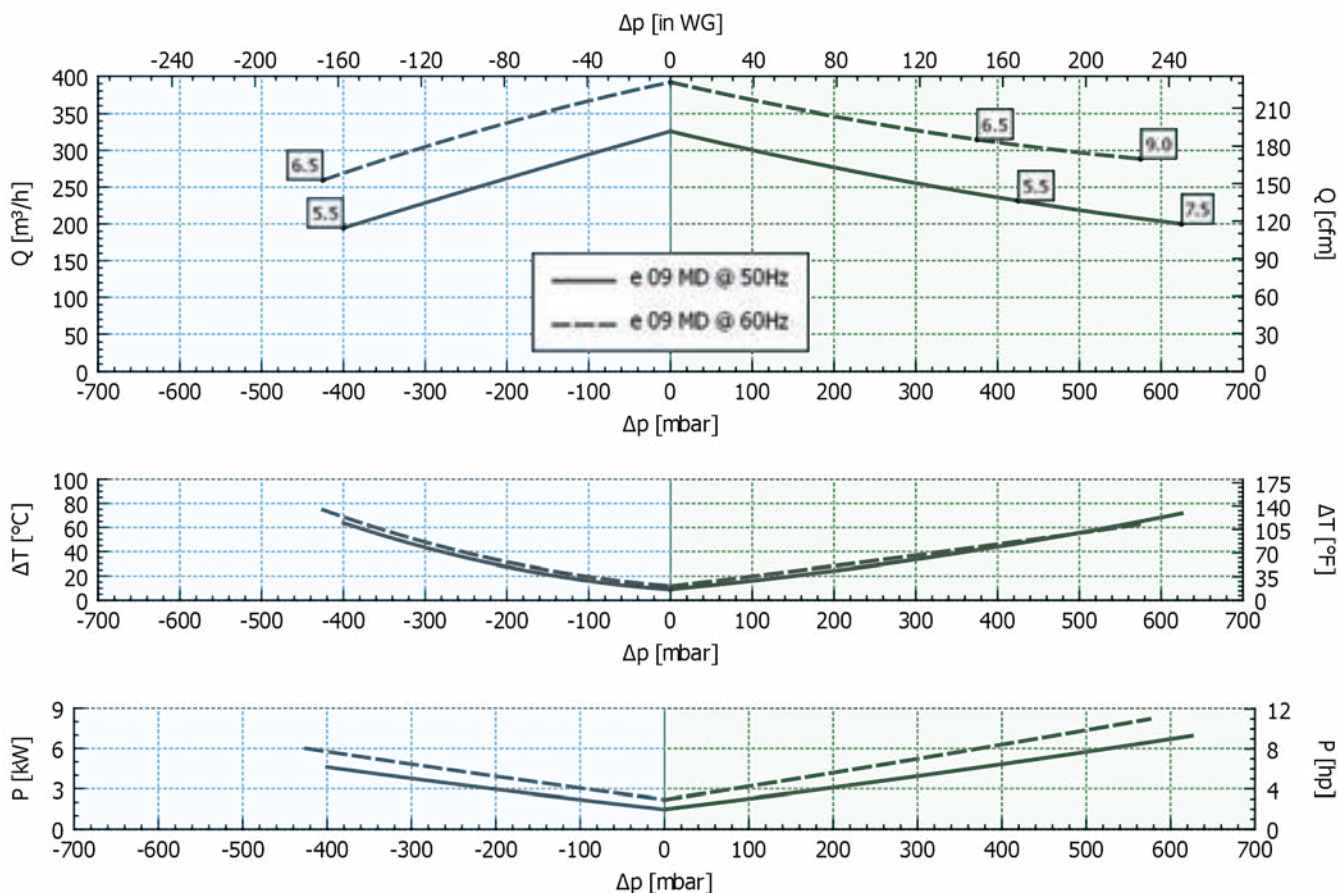
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	400	425	326	76	84	455	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	425	375	392	79	84	455	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	625	326	76	90	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	-	575	392	79	90	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

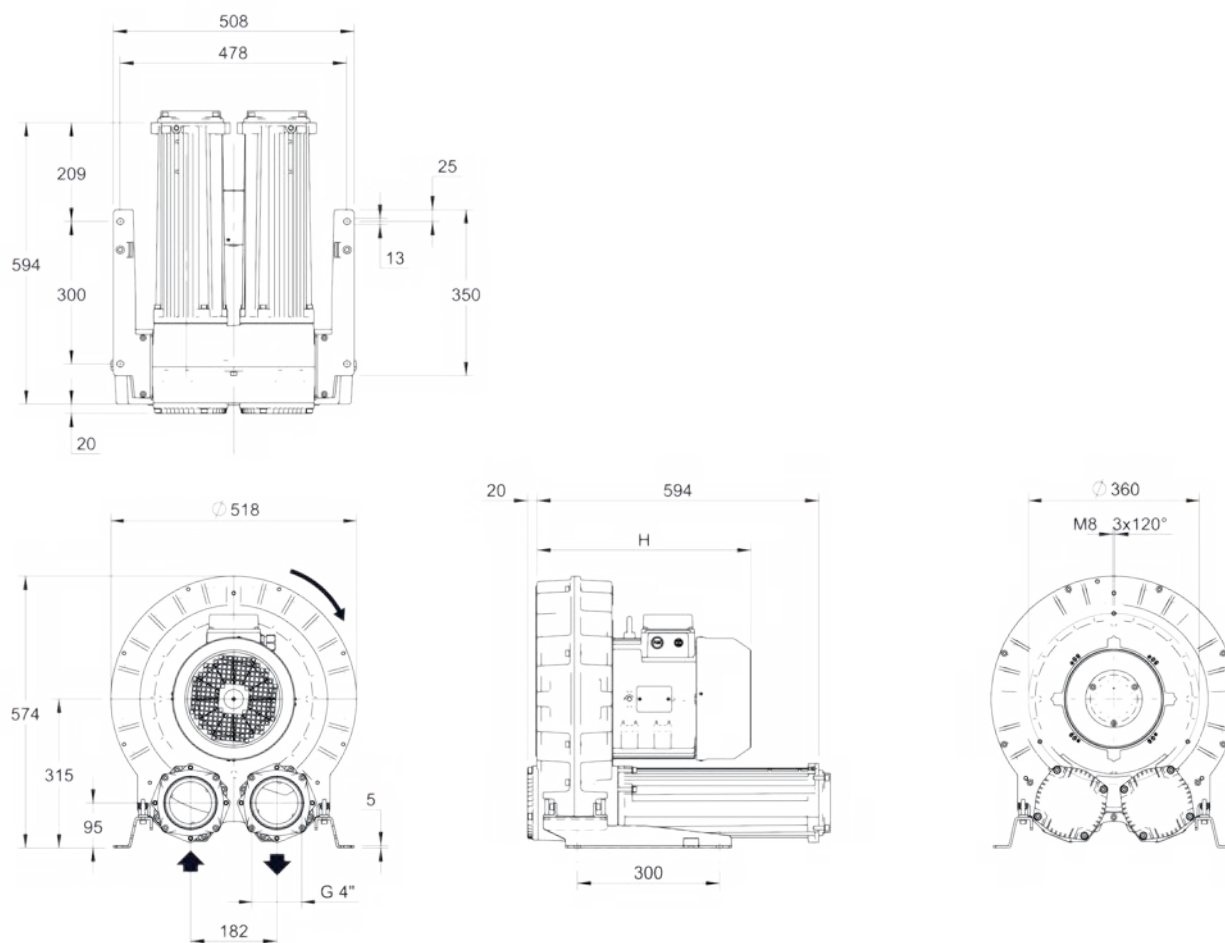
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

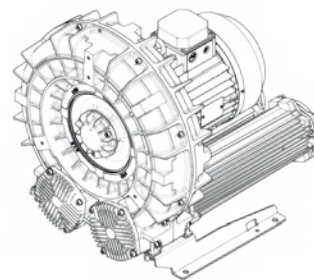
- IE3 Wide Range cRus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



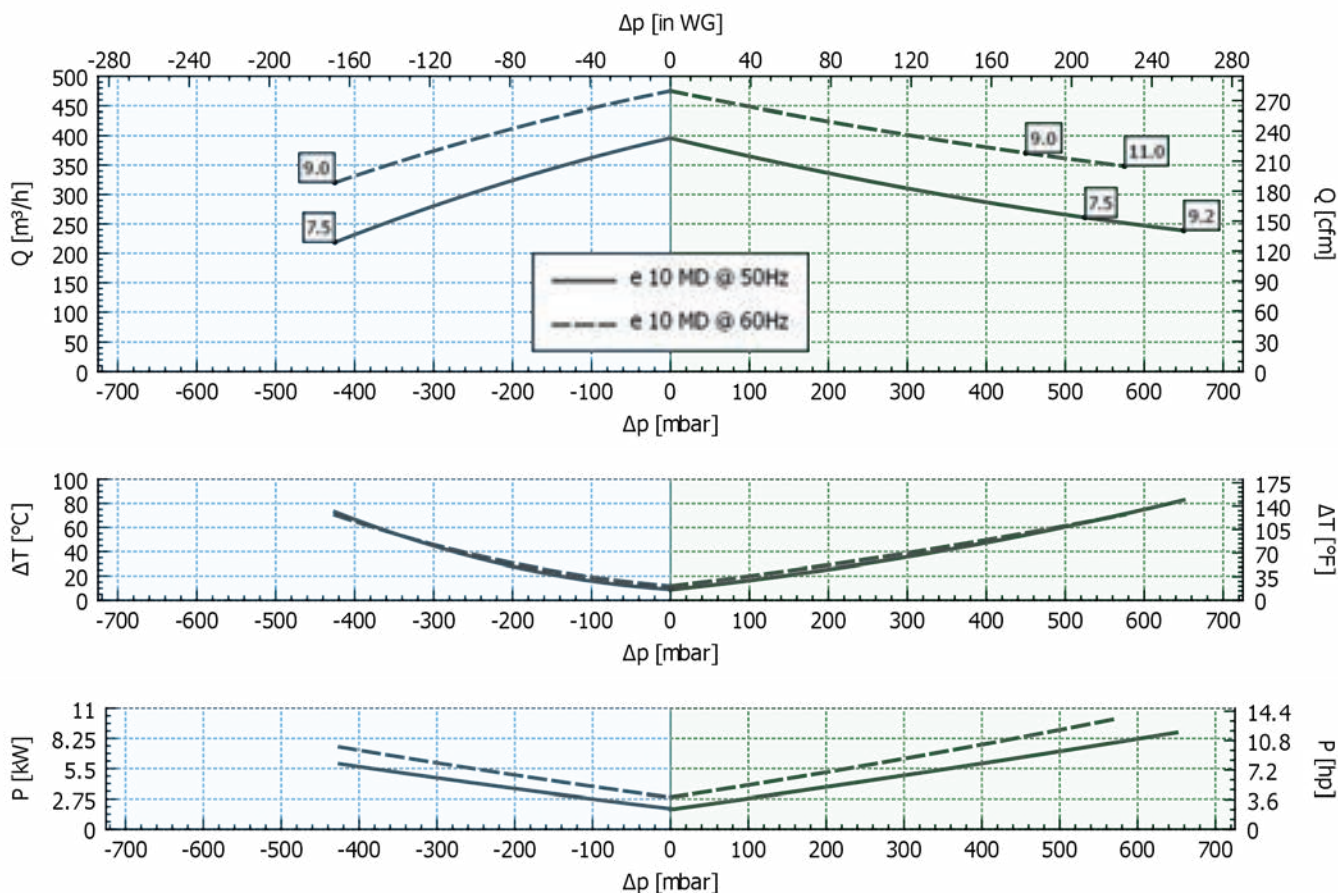
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	425	525	396	77	93	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	425	450	475	80	93	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	650	396	77	98	495	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	575	475	80	98	495	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

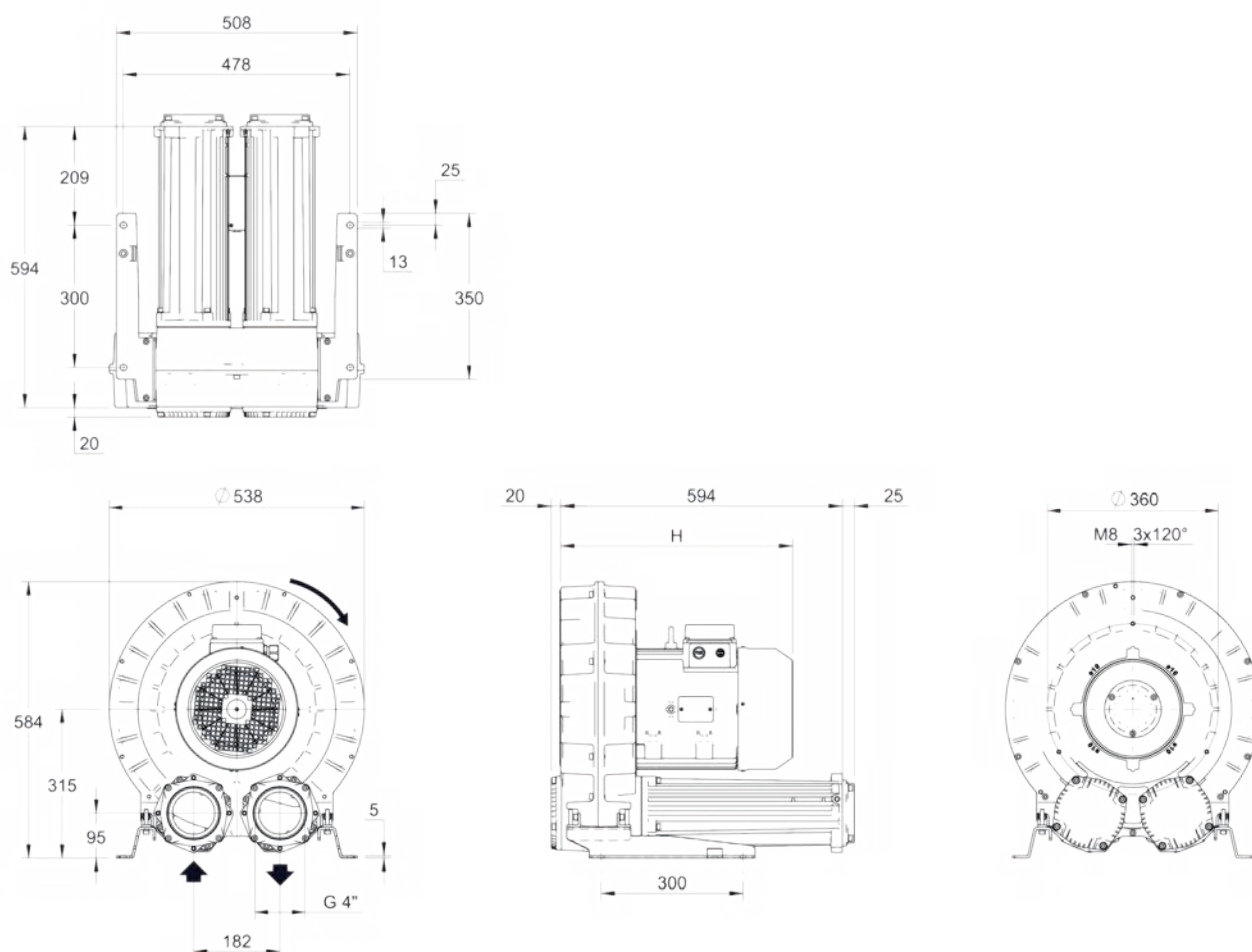
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

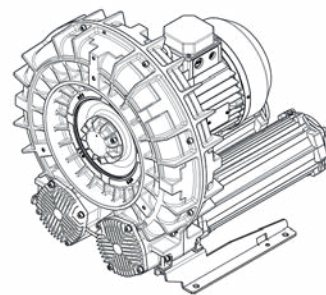
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



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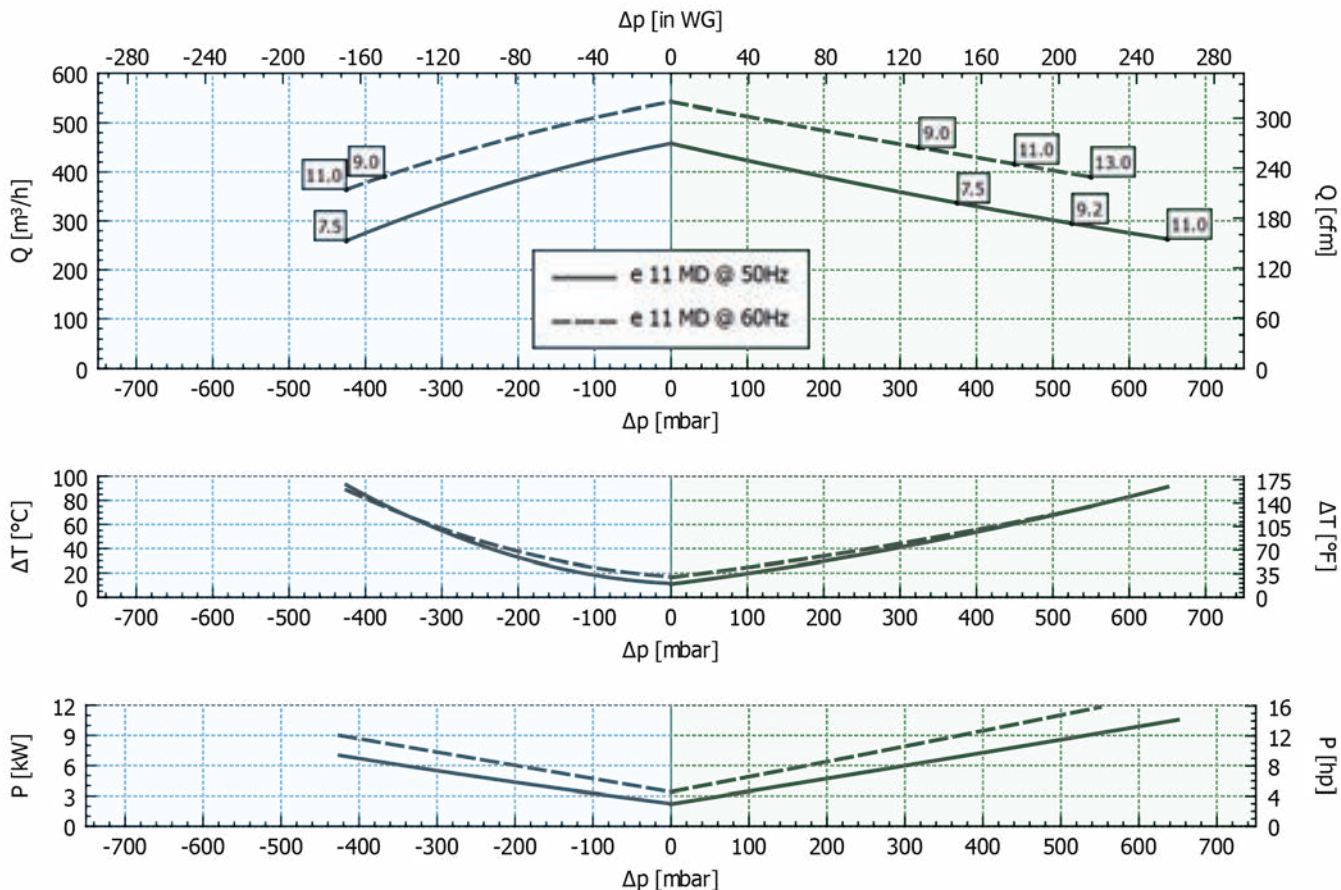
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	425	375	458	77	98	460	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	375	325	542	80	98	460	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	525	458	77	104	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	425	450	542	80	104	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	650	458	77	111	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	550	542	80	111	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

SUCTION

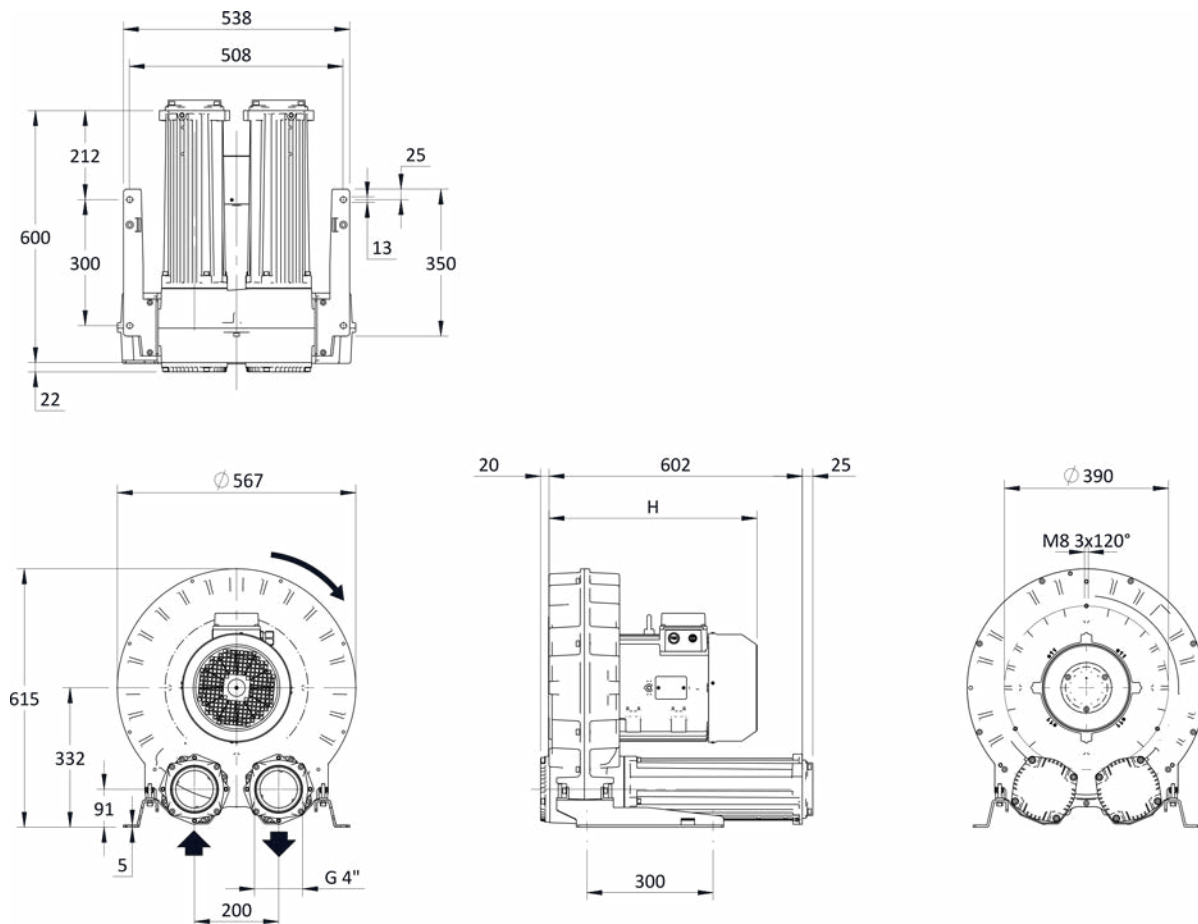
COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).



Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

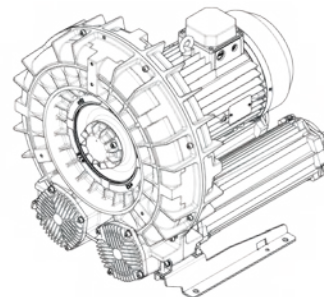
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



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Performance Table

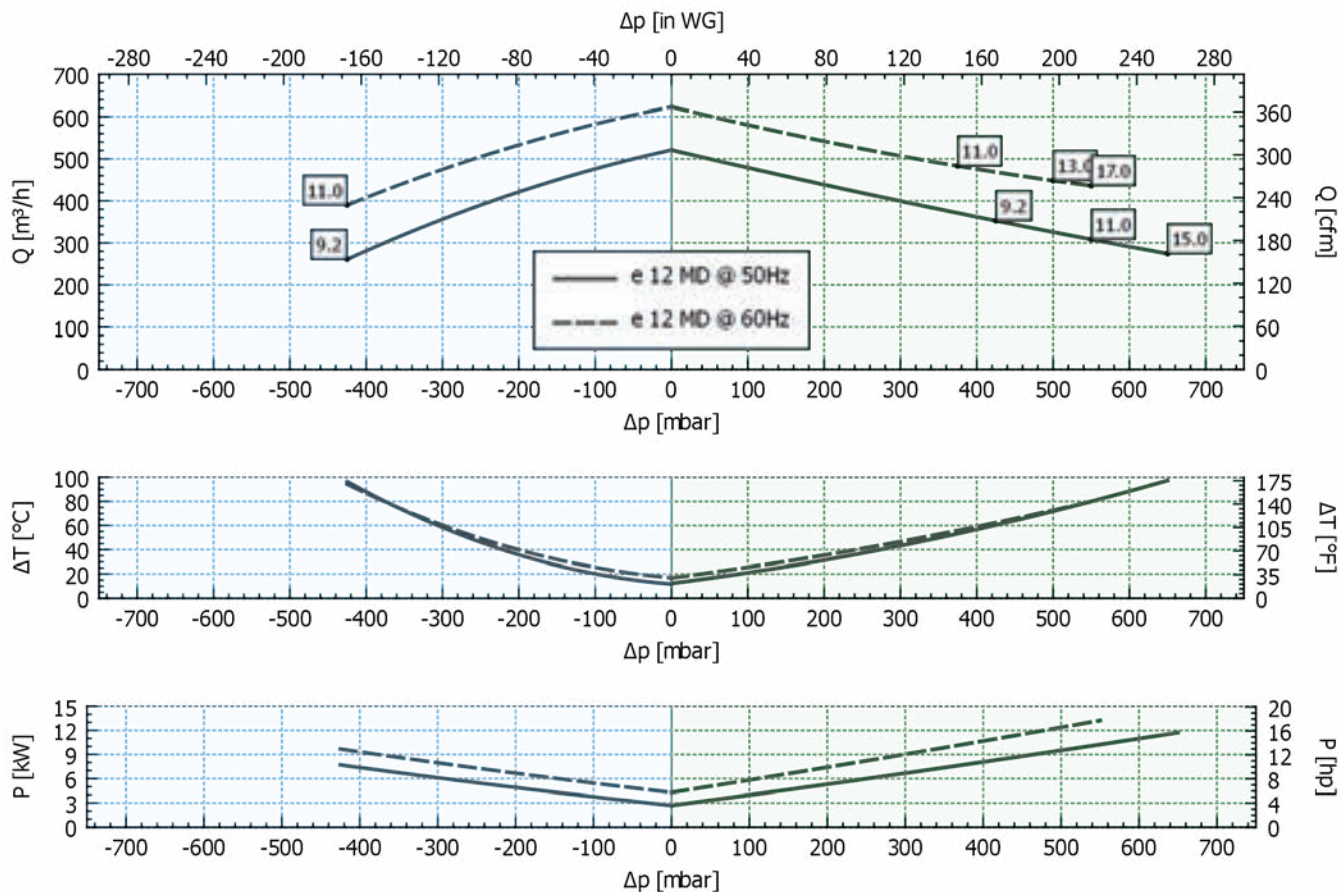
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
9.2	50	425	425	521	78	105	505	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	425	375	623	82	105	505	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	550	521	78	112	505	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	500	623	82	112	505	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	650	521	78	118	580	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	-	550	623	82	118	580	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION



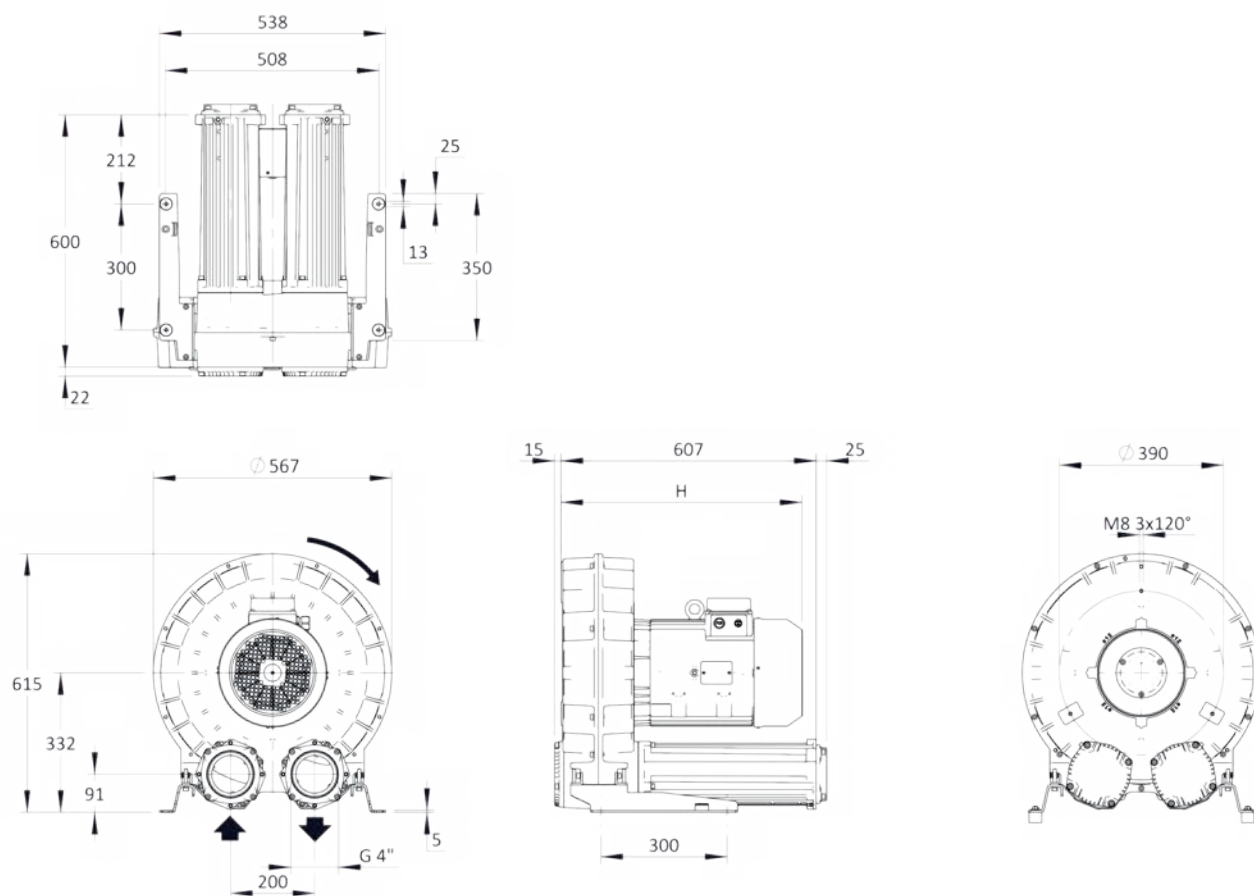
Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).



Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

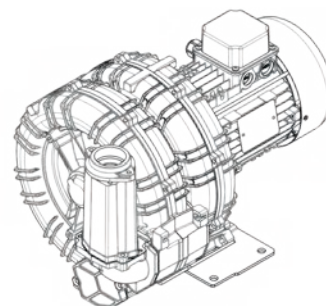
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



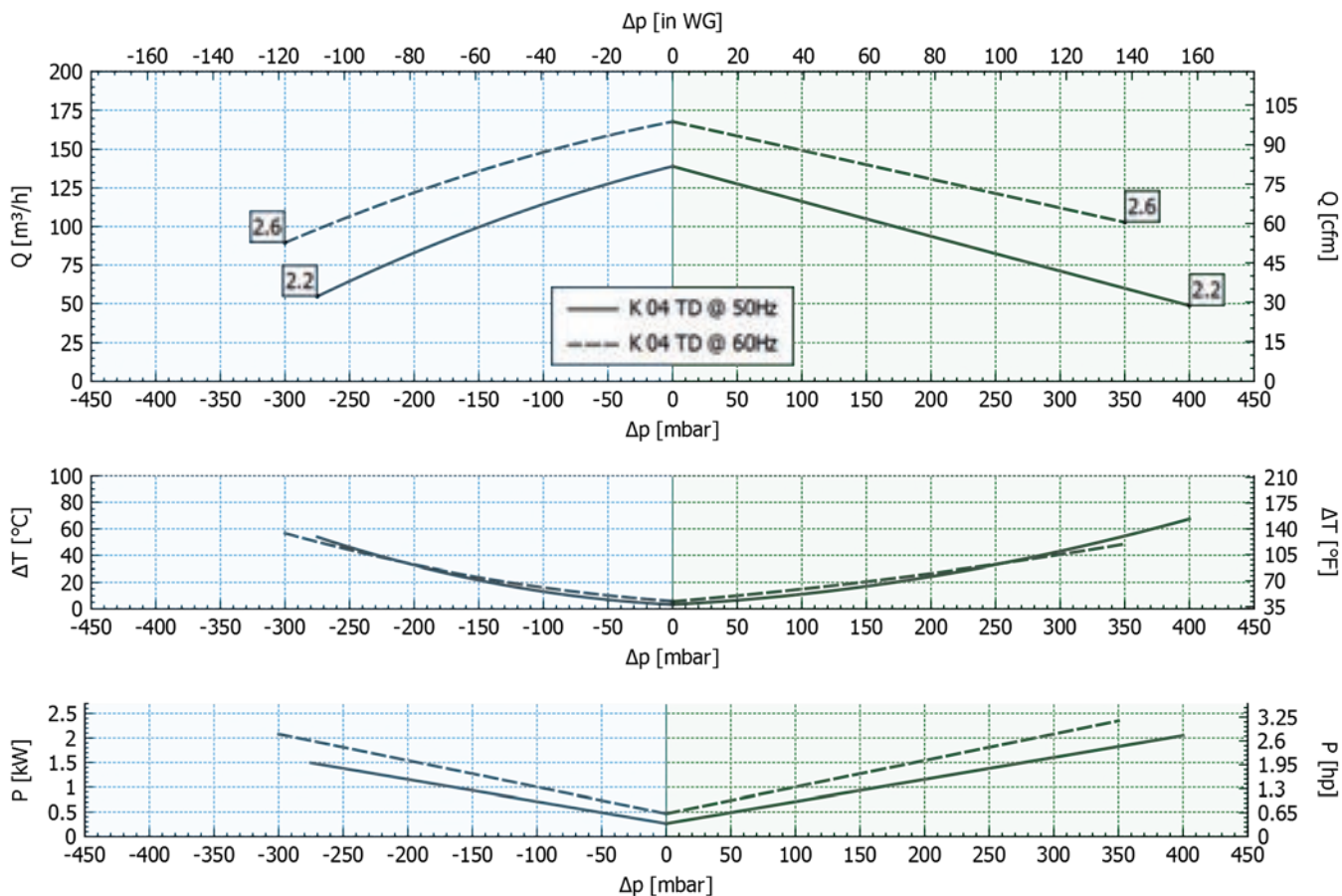
Performance Table

P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	275	400	139	67.6	30.5	440	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	300	350	168	69.6	30.5	440	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

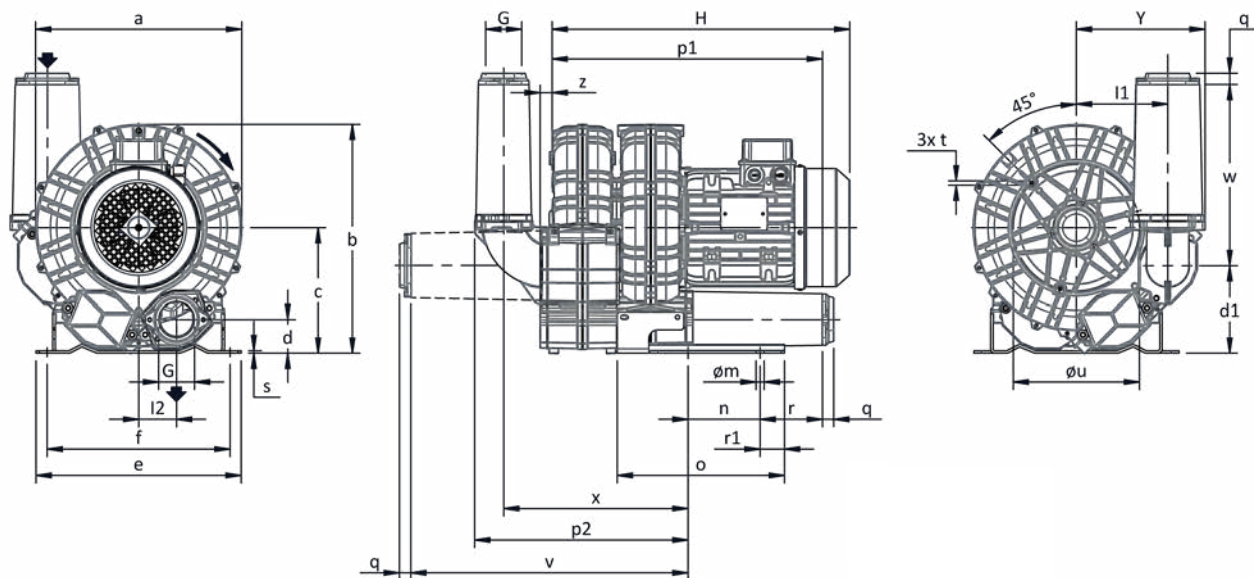
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
285	315	172	49	121	255	225	G 1" 1/2	-	123	51	12	95	171	316	254	18	70	15	4	M6	175	288	188	214	173	18

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

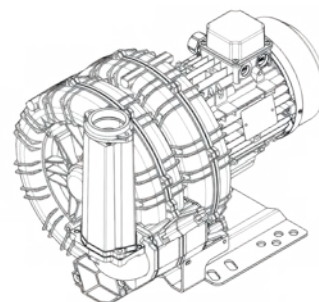
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



Performance Table

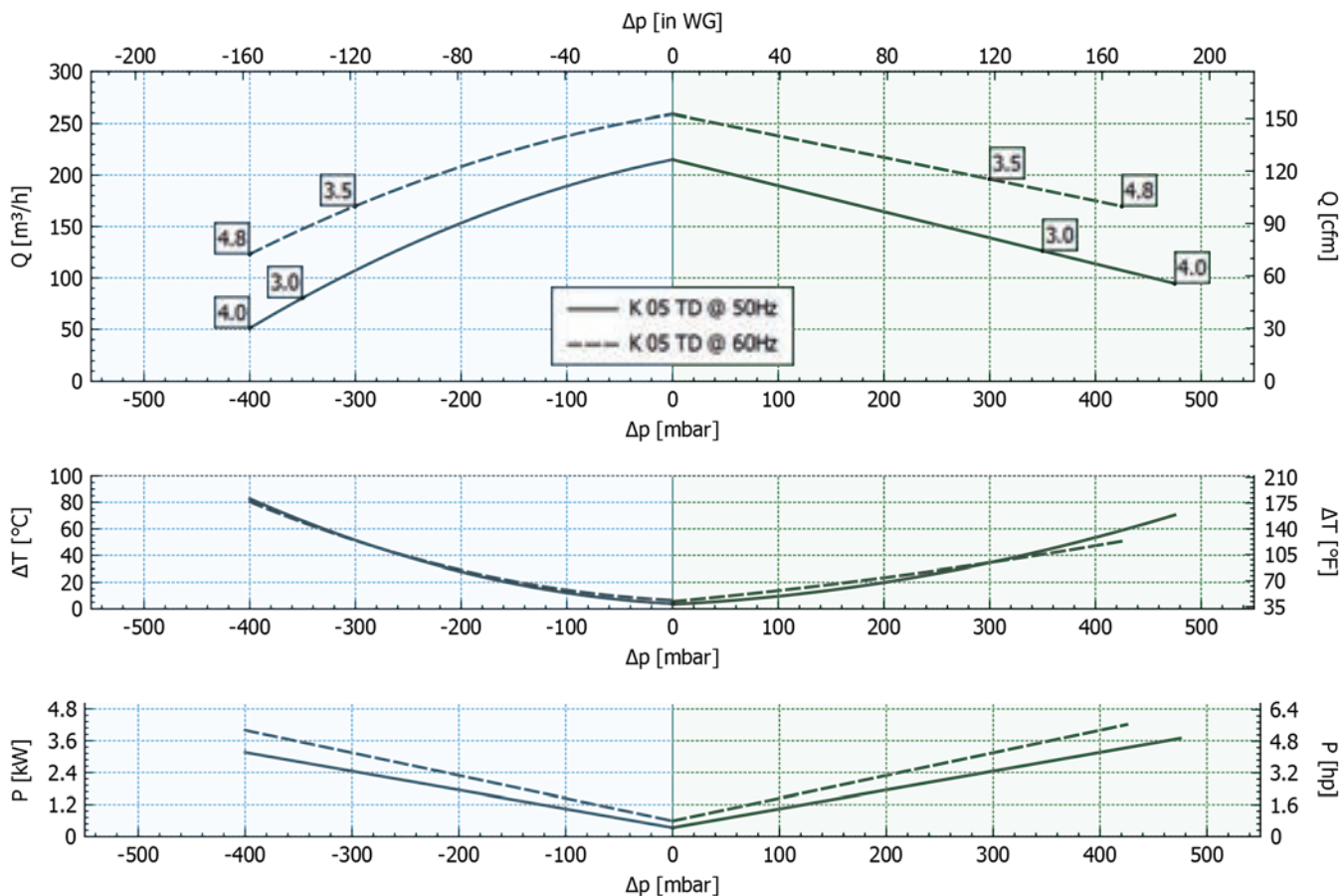
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	350	350	215	70.6	44.5	475	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	300	300	259	72.6	44.5	475	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	400	475	215	70.6	45.5	495	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	400	425	259	72.6	45.5	495	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

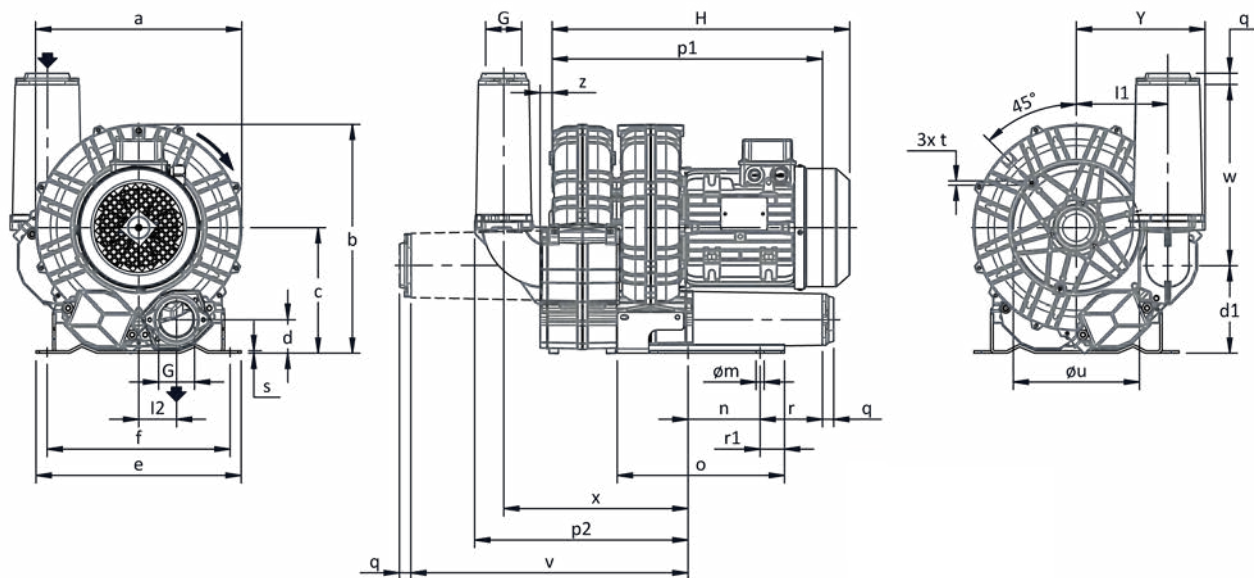


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions

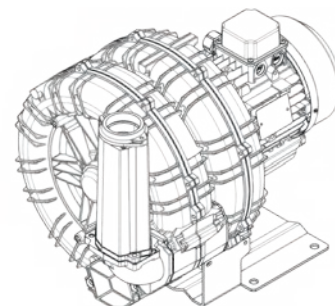


For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	365	200	54	140	325	260	G 2"	-	145	60	15	115	265	428	340	18	98	38.5	4	M8	200	440	285	293	206	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 - 415 / 200 - 240	600 - 720 / 345 - 415	50
	380 - 480 / 220 - 280	660 - 830 / 380 - 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

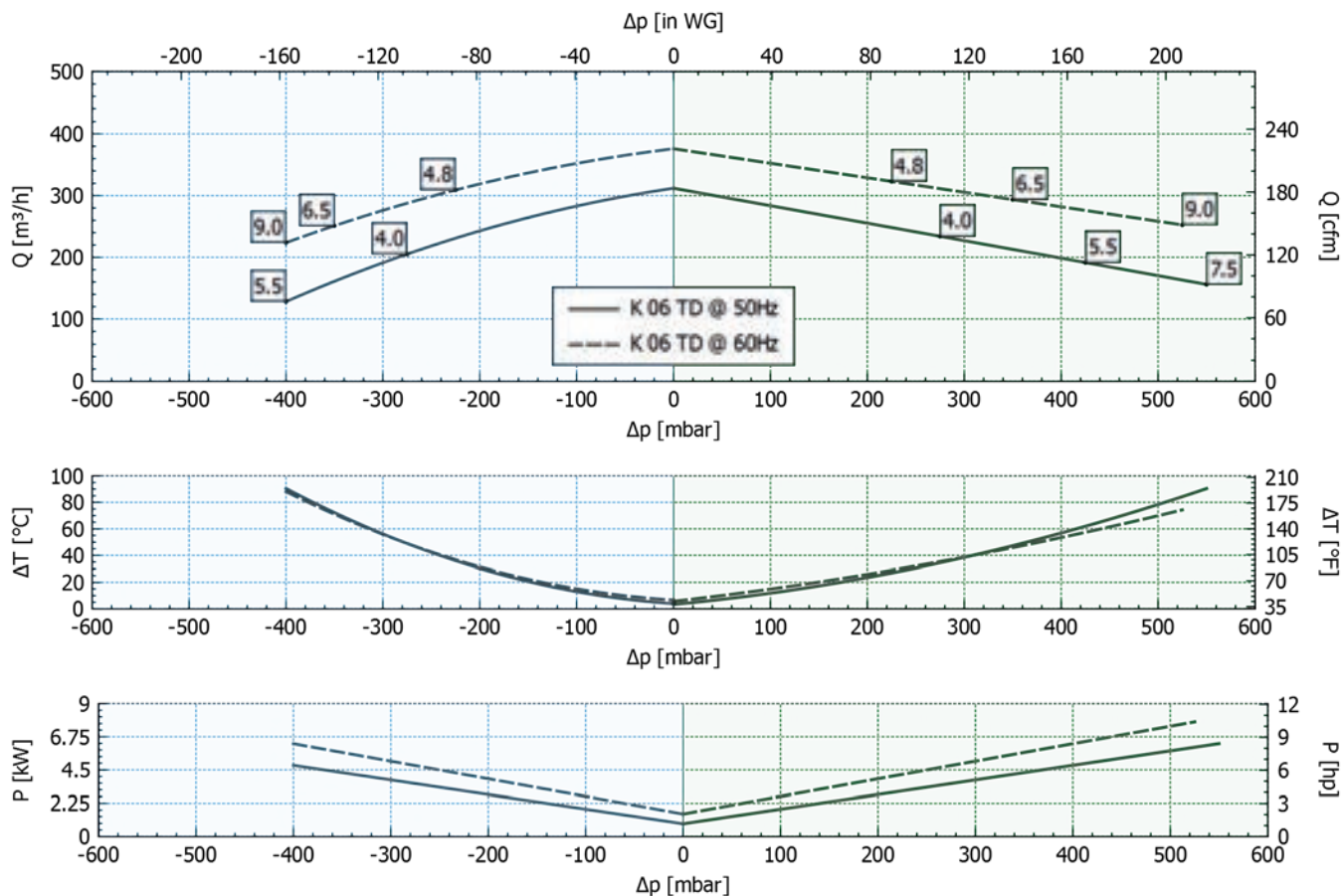
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	275	275	312	72.6	52.5	500	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	225	225	376	74.6	52.5	500	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	400	425	312	72.6	68.5	585	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	350	350	376	74.6	68.5	585	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	550	312	72.6	73.5	585	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	400	525	376	74.6	73.5	585	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

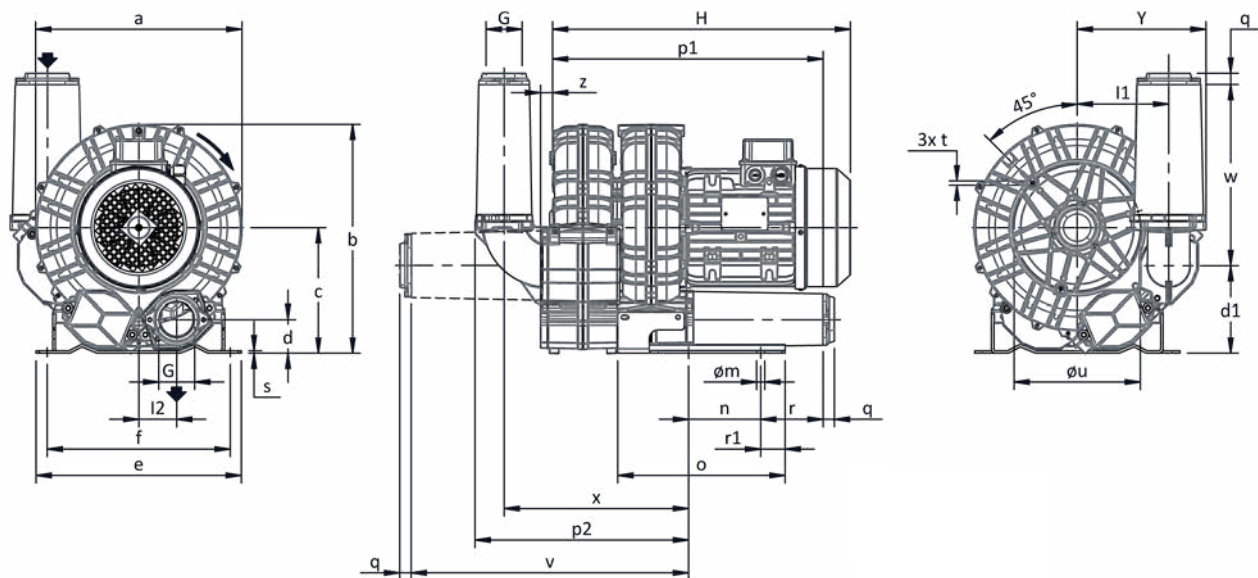
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
376	420	232	59	170	325	290	G 2"	-	151	73	15	140	265	508	354	18	136	19	4	M8	240	455	285	308	210	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

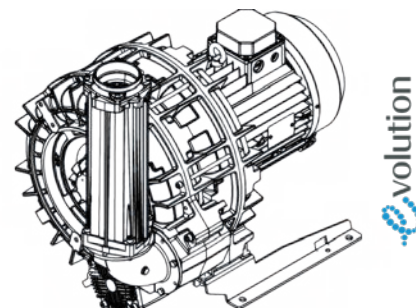
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



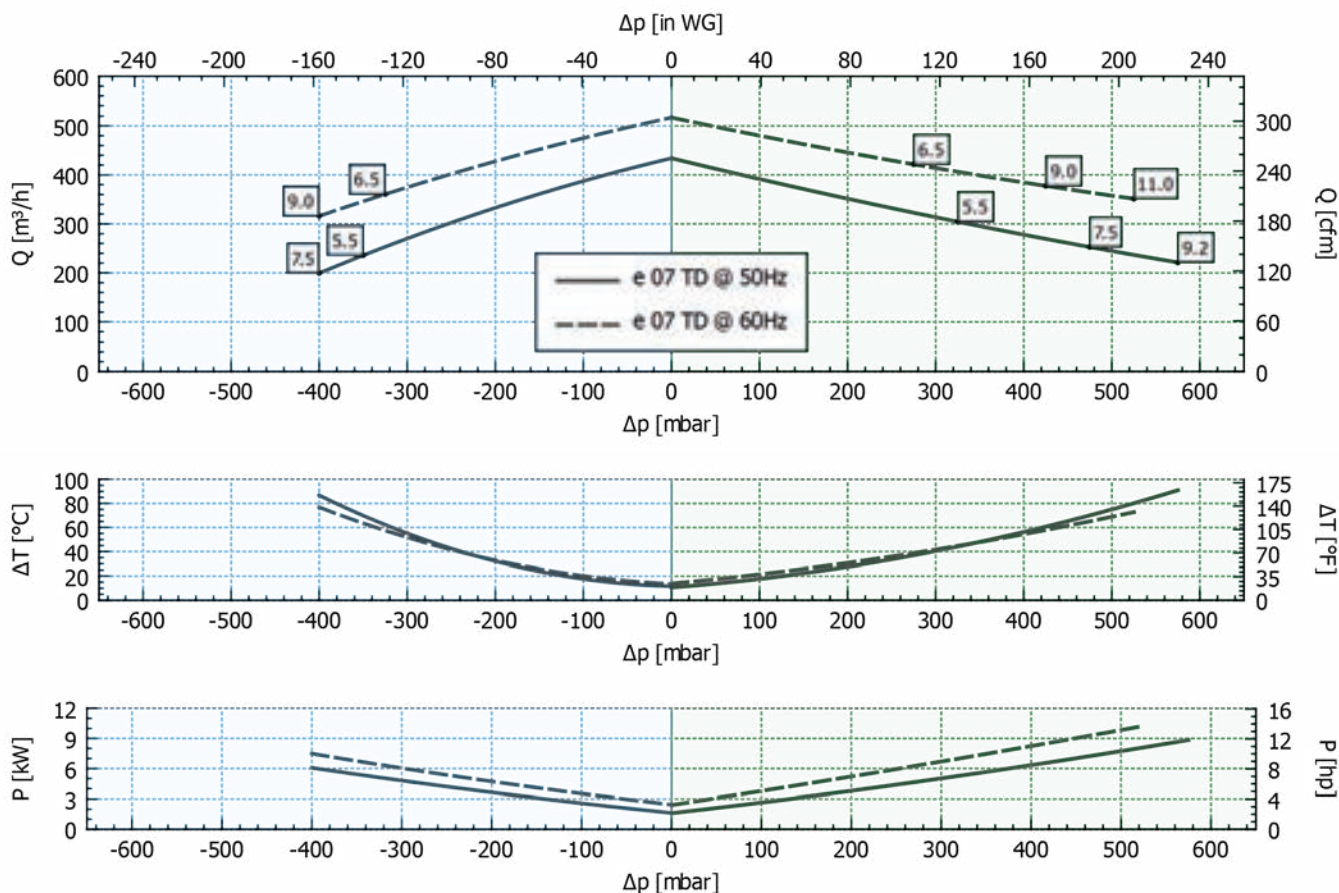
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	350	325	434	74	101	580	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	325	275	517	77	101	580	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	400	475	434	74	107	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	400	425	517	77	107	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	575	434	74	112	620	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	525	517	77	112	620	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

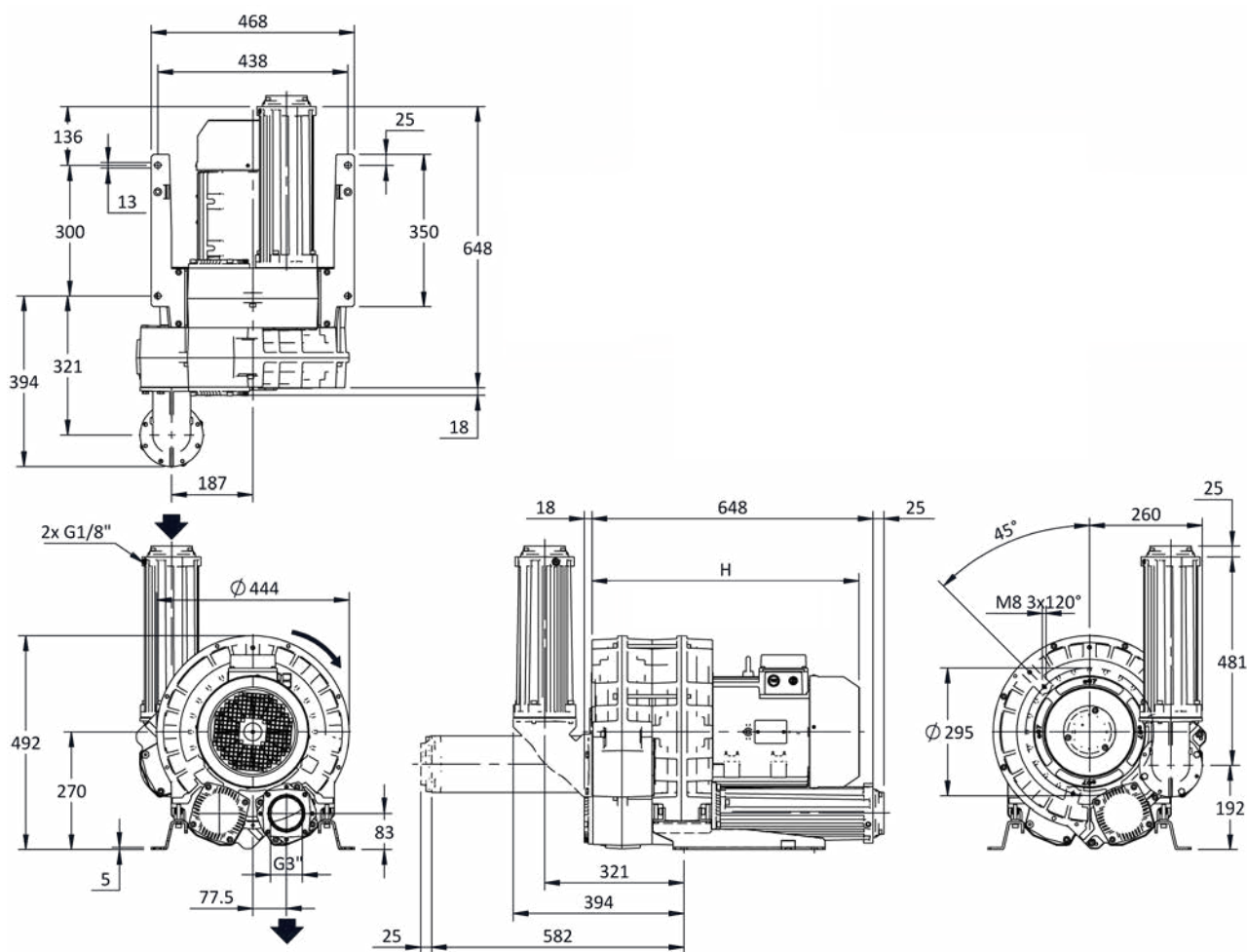
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 $^{\circ}\text{C}$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

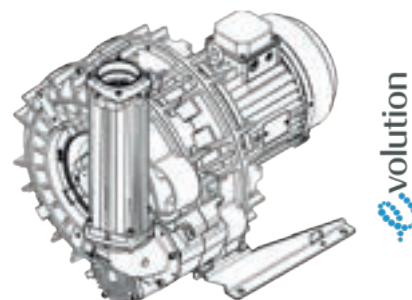
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



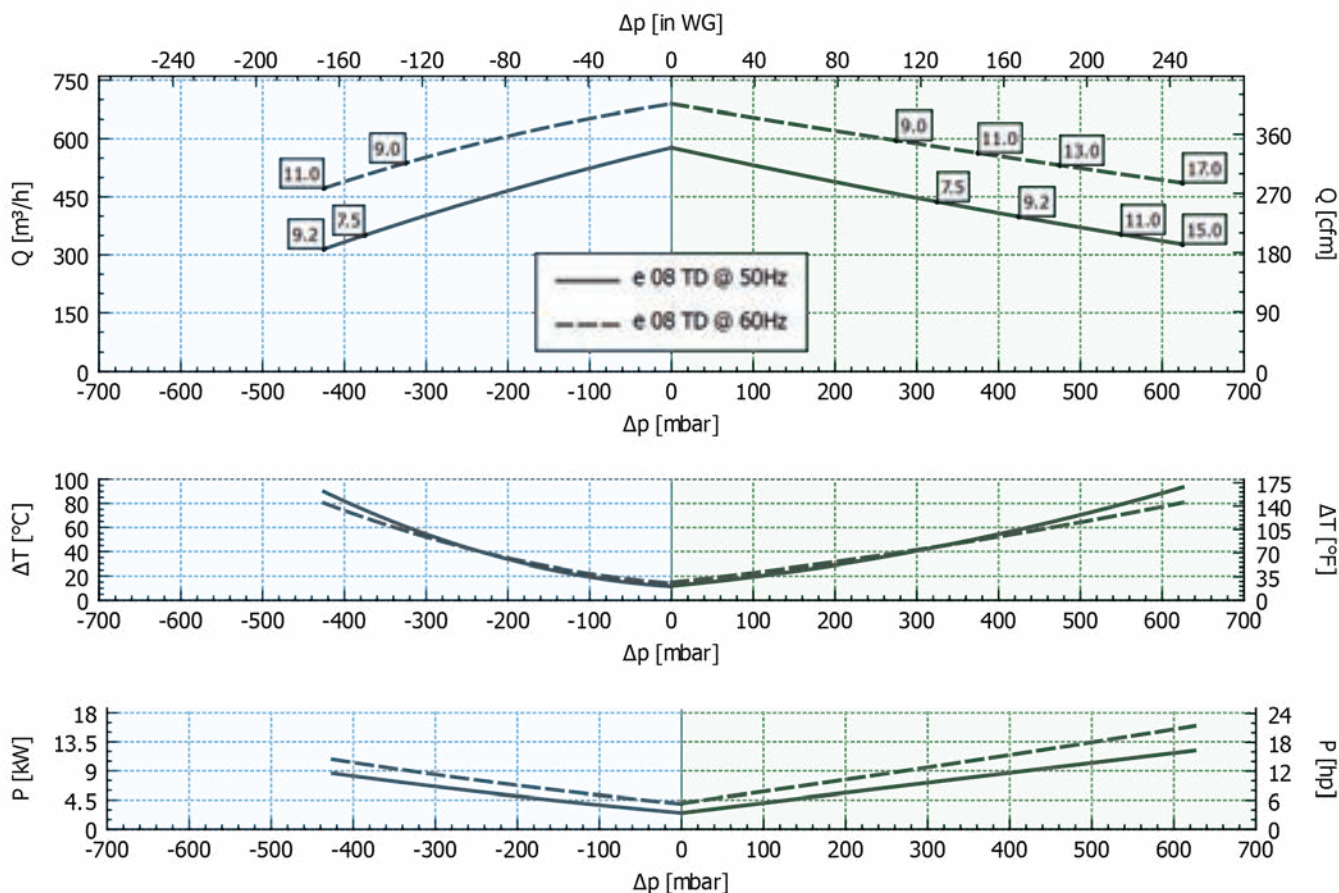
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	375	325	577	77.9	113	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	325	275	689	82.1	113	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	425	425	577	77.9	118	615	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	425	375	689	82.1	118	615	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	550	577	77.9	125	615	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	475	689	82.1	125	615	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	625	577	77.9	143	690	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	-	625	689	82.1	143	690	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. See figure "dimensions" at following page.

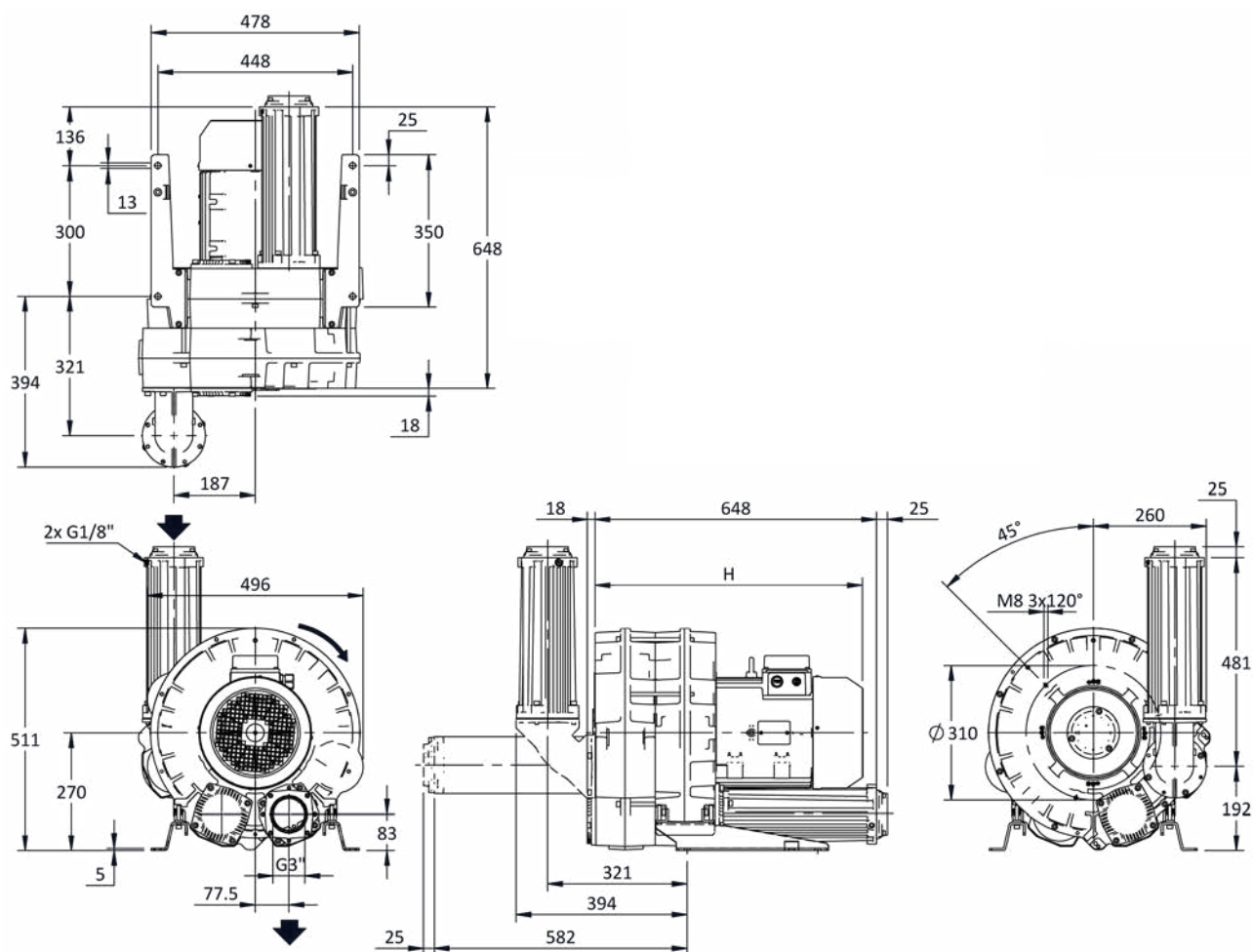
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

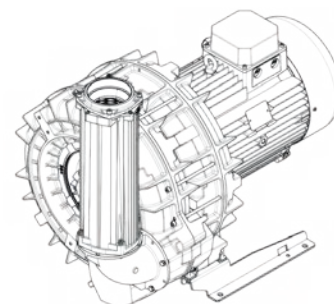
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



Performance Table

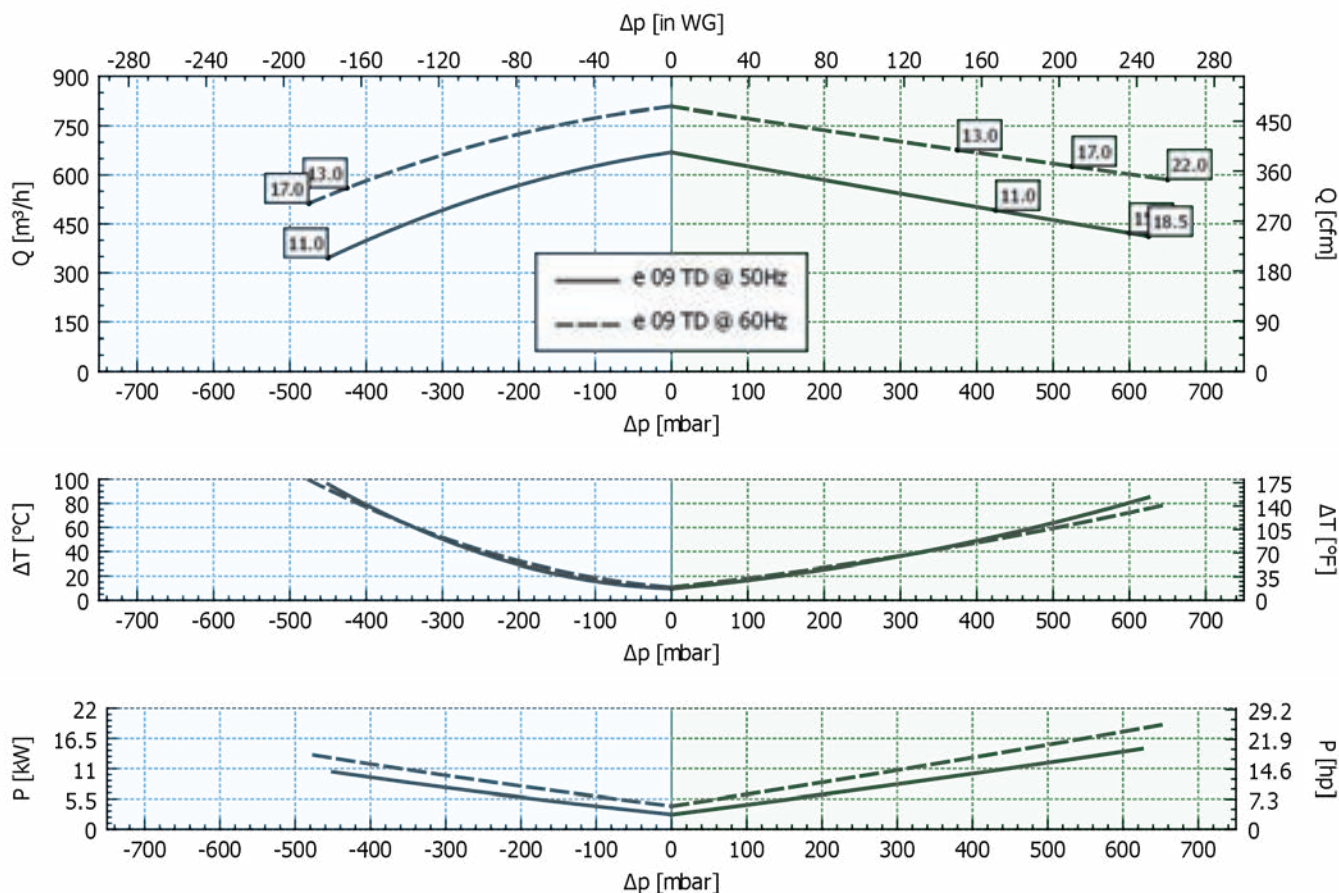
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	450	425	669	81	136	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	425	375	808	83	136	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	600	669	81	153	725	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	475	525	808	83	153	725	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	625	669	81	177	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	650	808	83	177	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

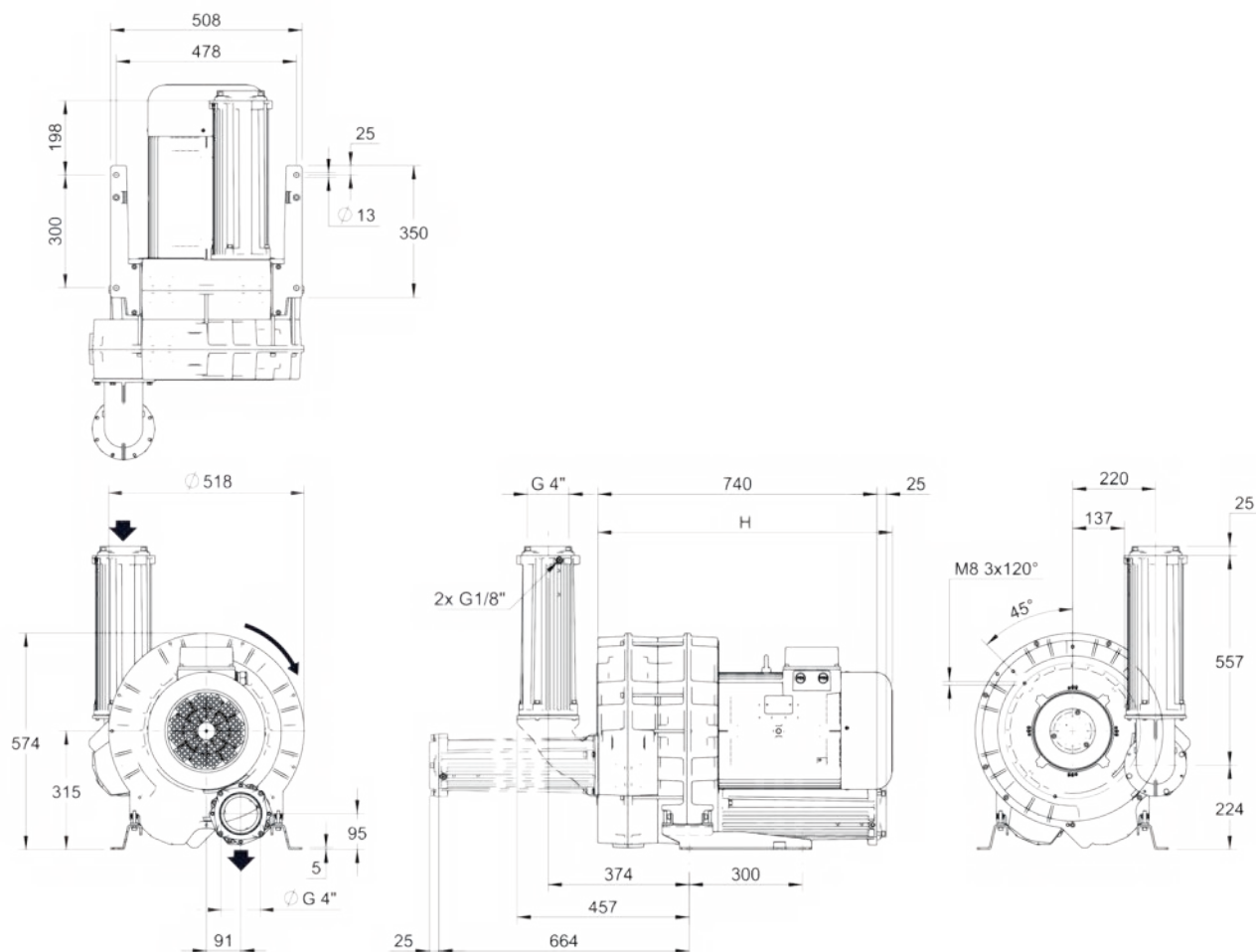


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

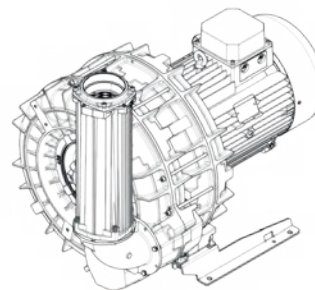
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



Performance Table

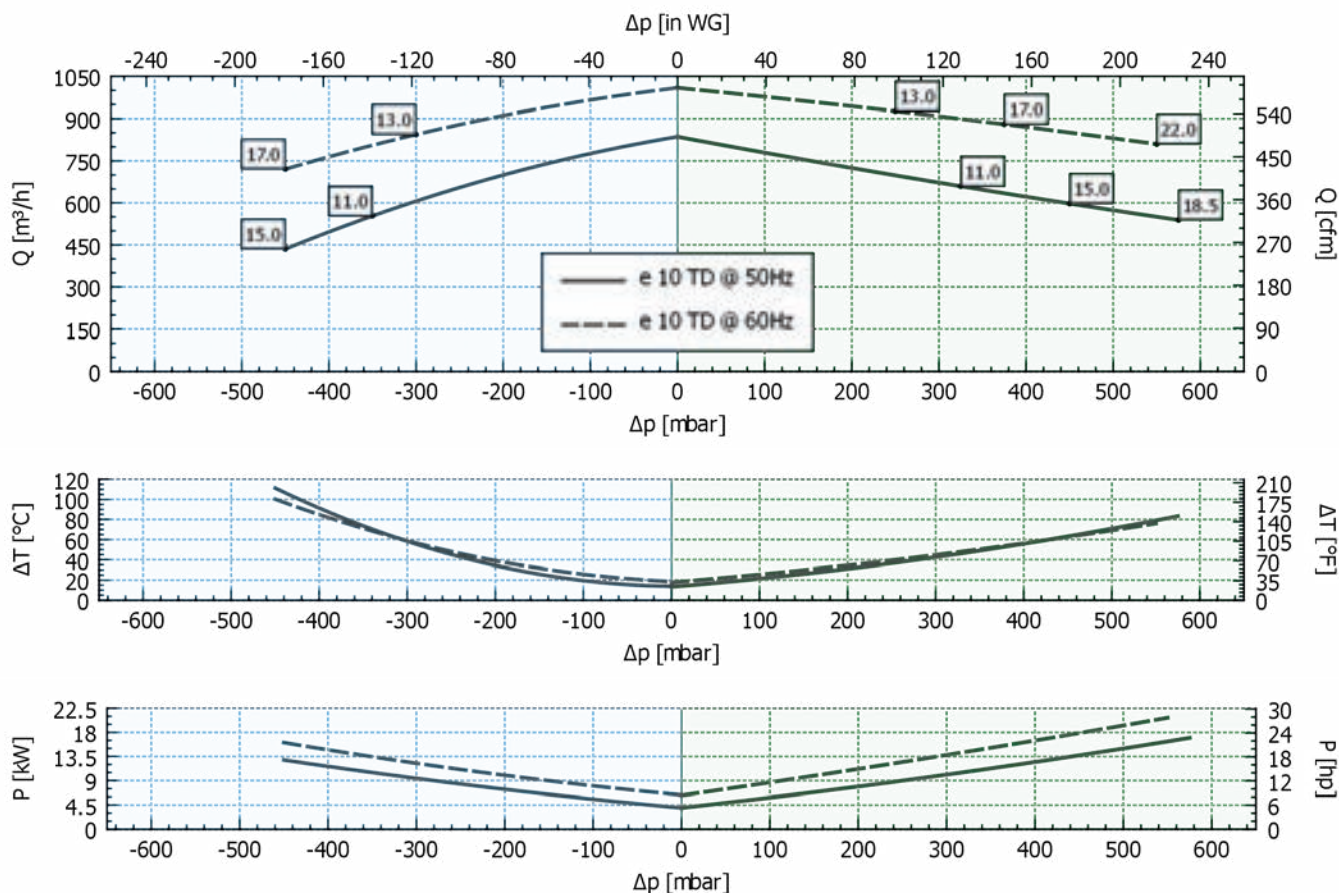
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	350	325	836	83	143	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	300	250	1009	84	143	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	450	450	836	83	159	725	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	450	375	1009	84	159	725	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	575	836	83	183	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	550	1009	84	183	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

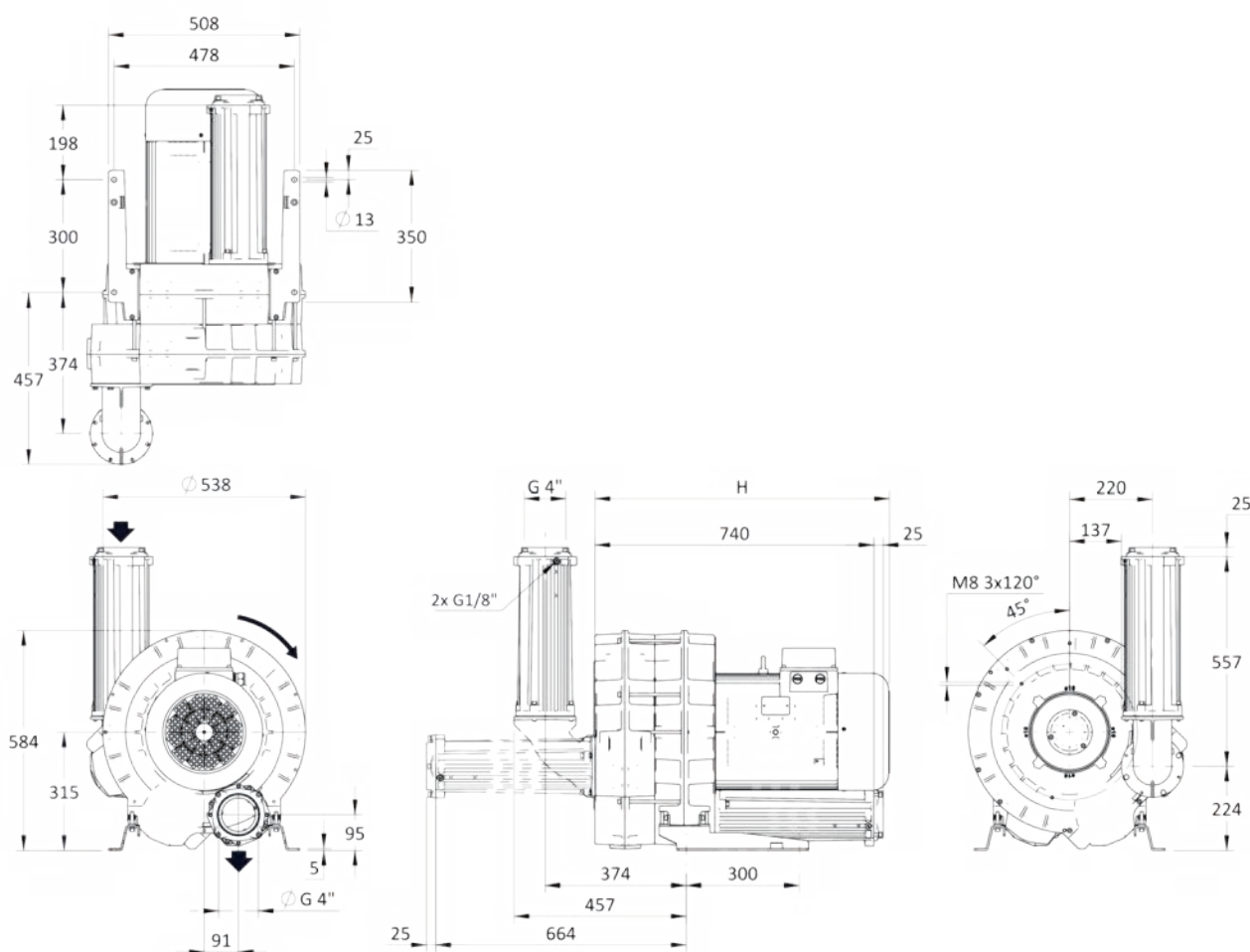


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}\text{C}$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

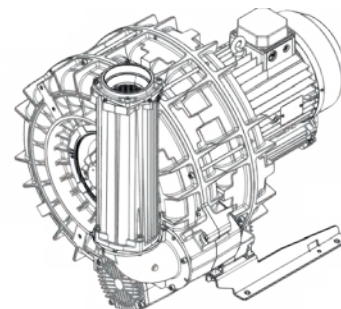
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



evolution

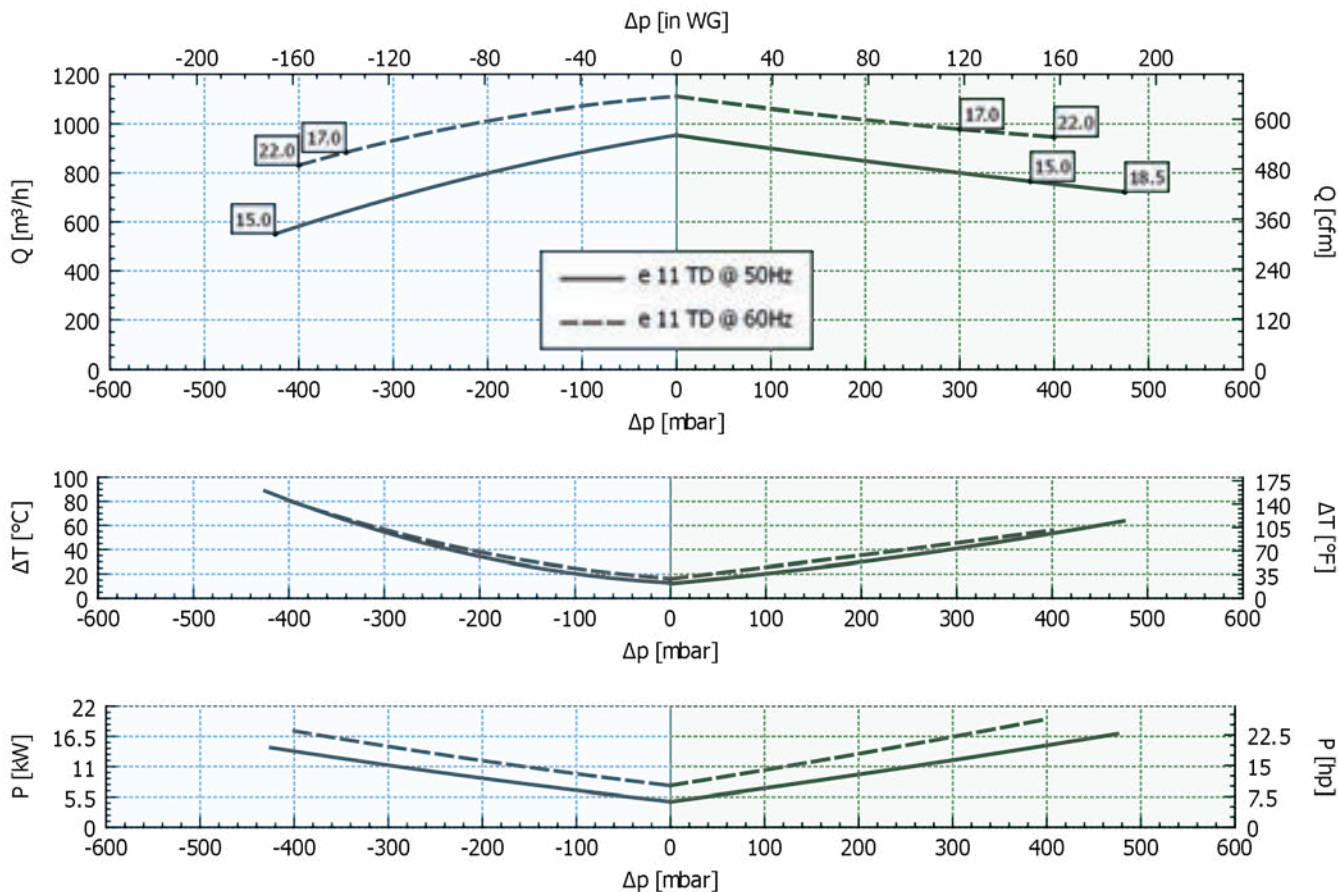
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	425	375	954	83	178	740	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	350	300	1110	85	178	740	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	475	954	83	199	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	400	400	1110	85	199	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

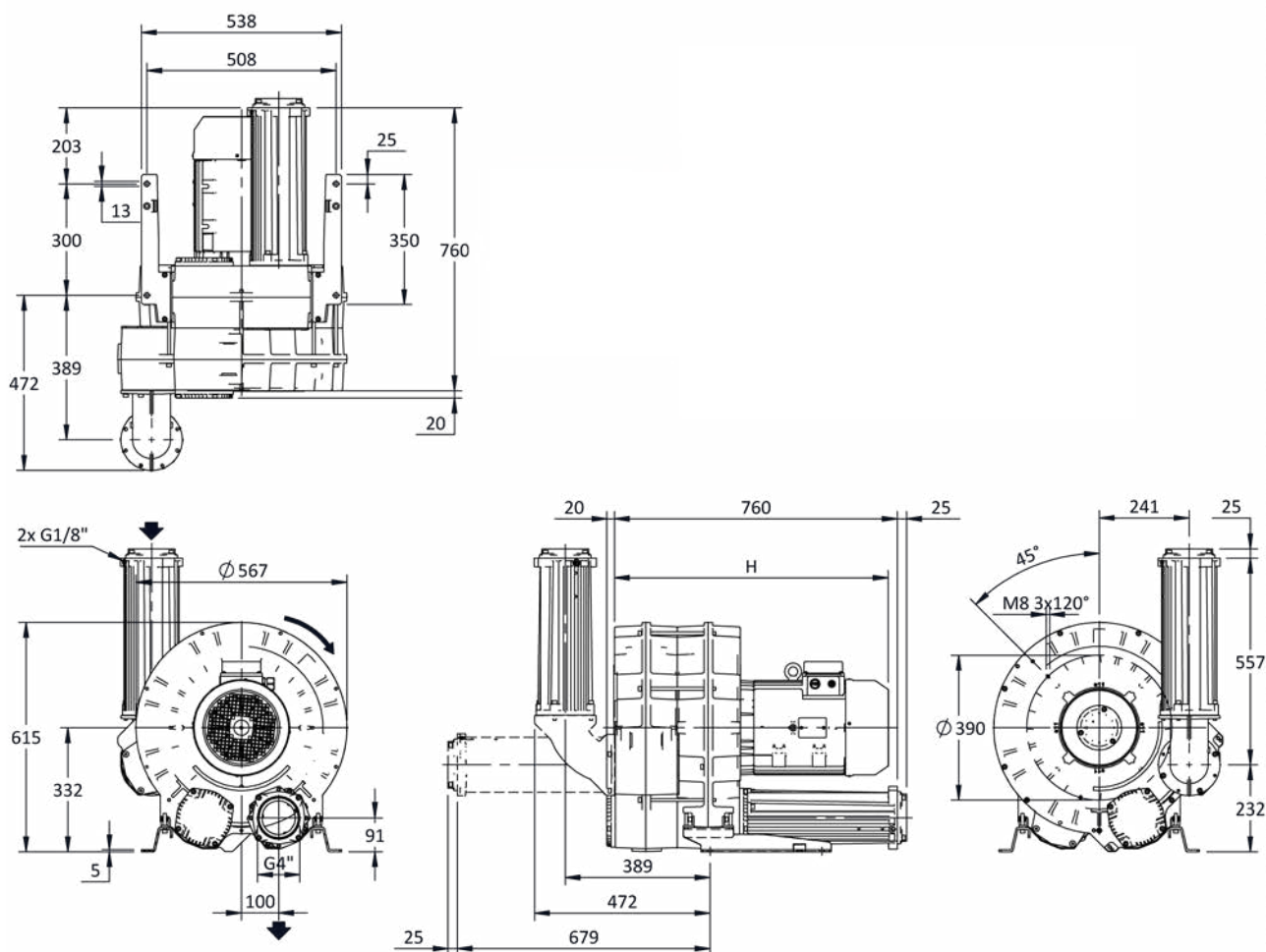
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

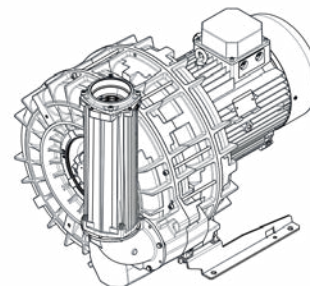
Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.

Performance Table

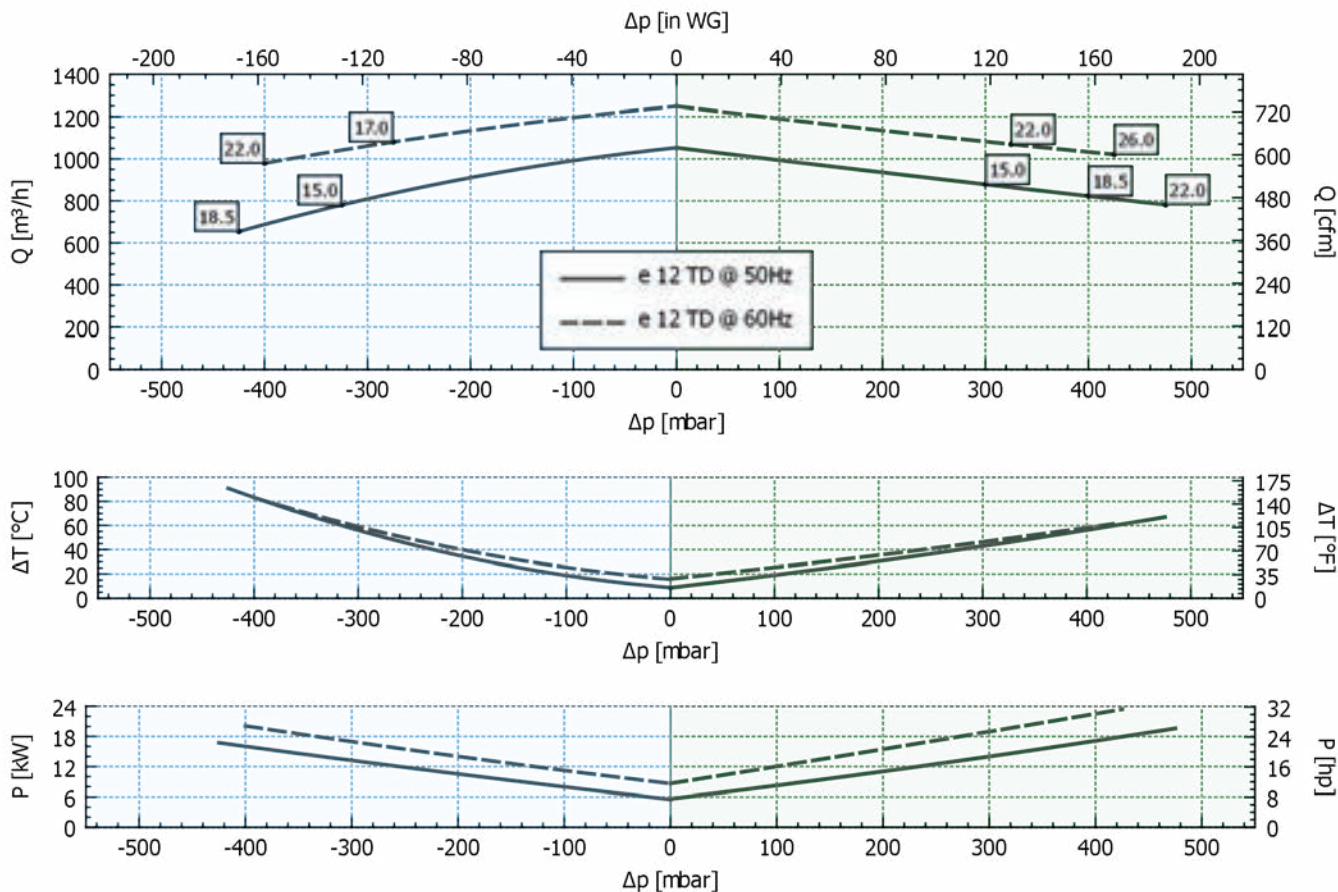
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	325	300	1053	84	178	740	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	275	-	1249	86	178	740	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	425	400	1053	84	199	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	400	325	1249	86	199	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550
22	50	-	475	1053	84	211	800	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26	60	-	425	1249	86	211	800	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

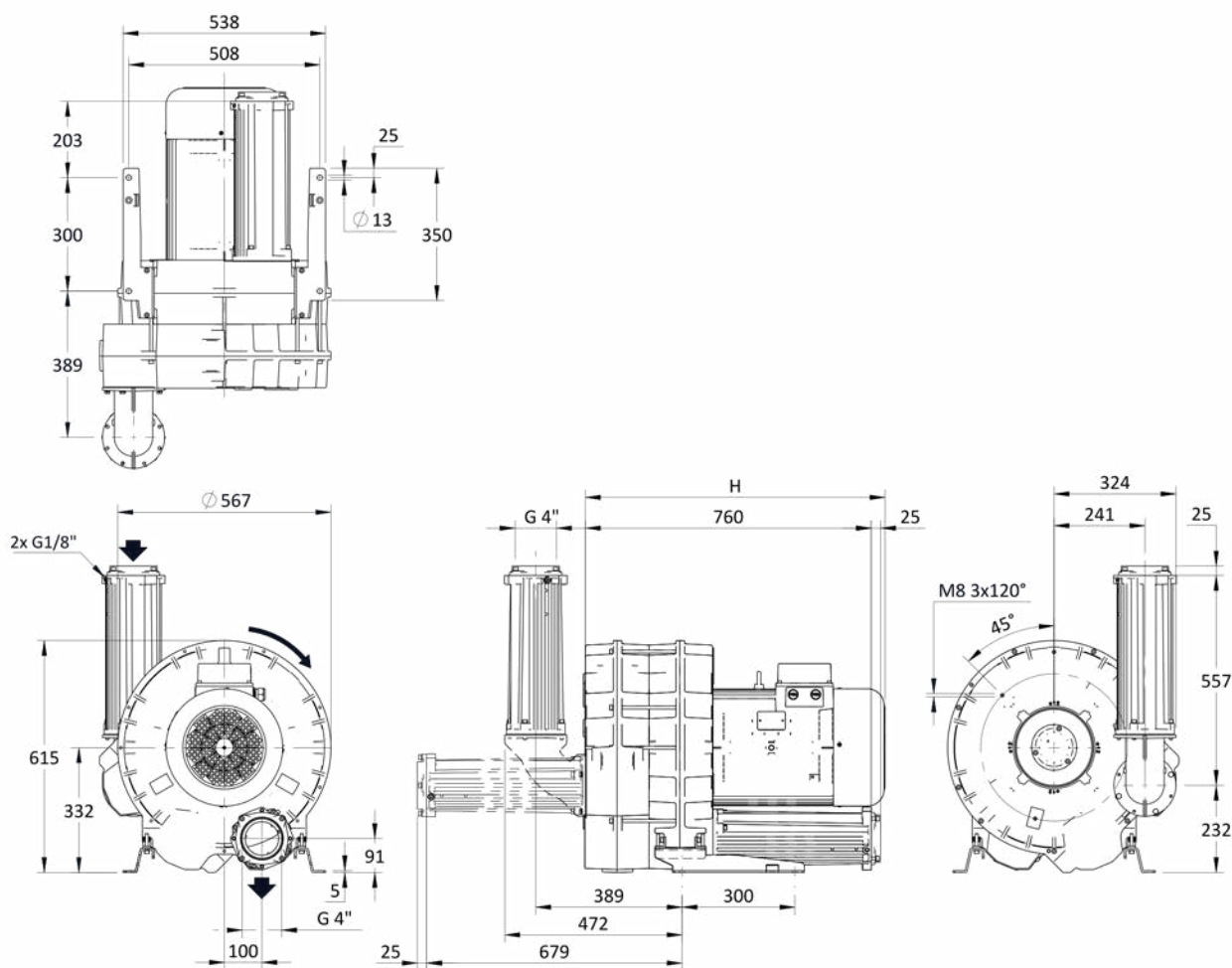


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

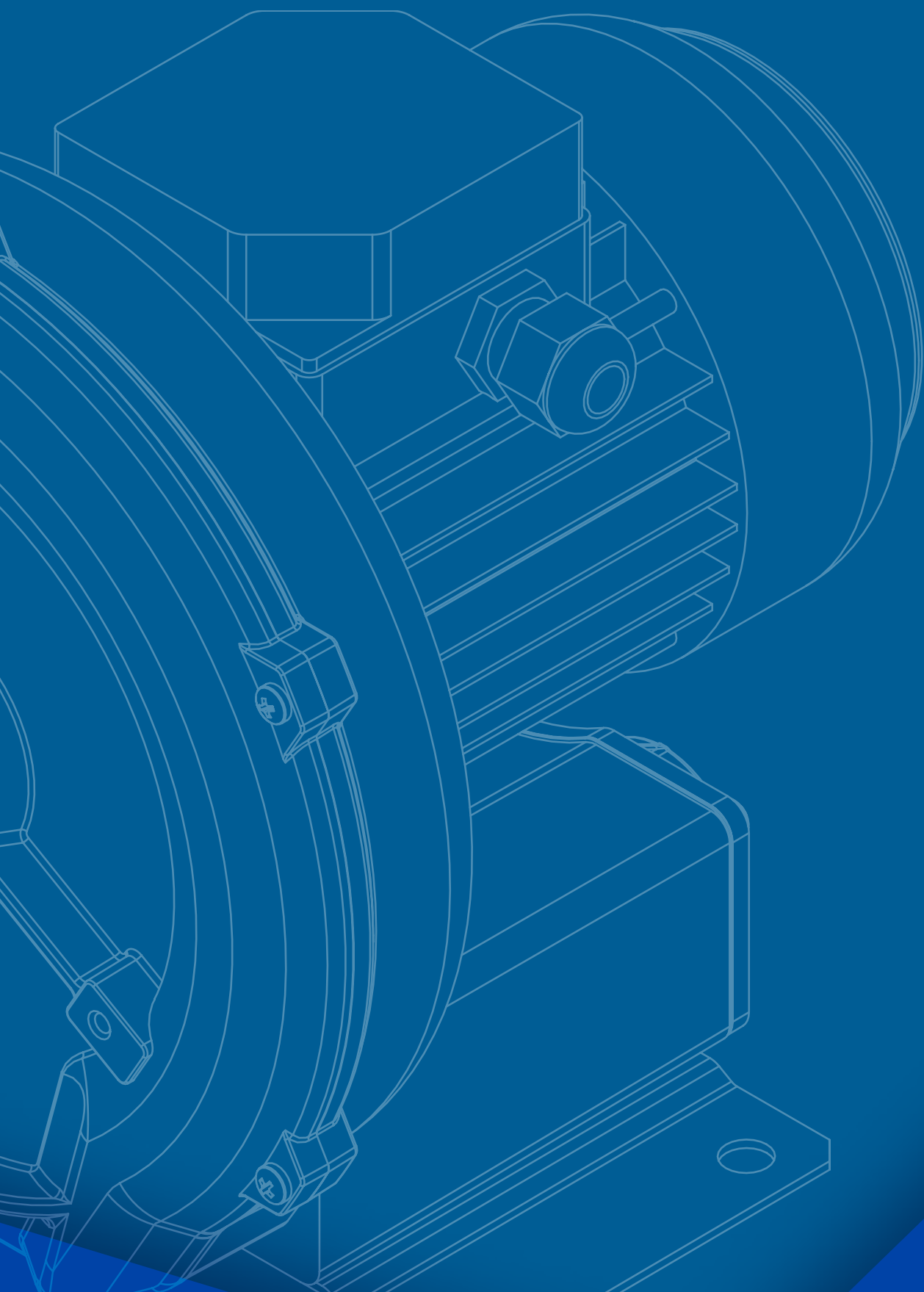
INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

EU

Data sheet





SCL 06R-MS MOR

IE2 VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

OPTIONS

- Special Voltages (IEC 60038)
- Surface treatments
- Increased seal version



PRESSURE

Mod	P _n 2900 rpm [kW]	P _n 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq ¹ 2900 rpm (Lp)(dB(A))	Leq ¹ 3500 rpm (Lp)(dB(A))	Weight ² max [kg]
06R-MS	0,2	0,23	55	66	90	80	58	58,7	6,5
	-	0,4	55	66	-	130	-	59	7,1

VACUUM

Mod	P _n 2900 rpm [kW]	P _n 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq ¹ 2900 rpm (Lp)(dB(A))	Leq ¹ 3500 rpm (Lp)(dB(A))	Weight ² max [kg]
06R-MS	0,2	0,23	55	66	82	80	58	58,7	6,5
	-	0,4	55	66	-	120	-	59	7,1

INSTALLATION

- For proper use, the blower should be equipped with INLET FILTER and vacuum/pressure relief valve other accessories available on request.
- Ambient temperature from -15° to +40°C (+5° to +104° F).
- Specifications subject to change without notice.
- Before installation read carefully all instructions

¹ Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

² Value refers to the weight of the machine with 3 Phase motor

N: Installed motor power

Q: Flow rate

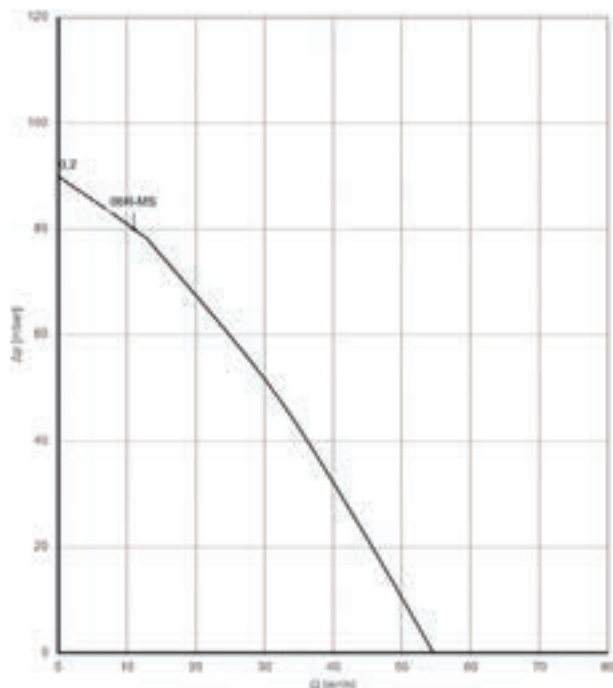
P: Differential pressure

Leq: Noise level

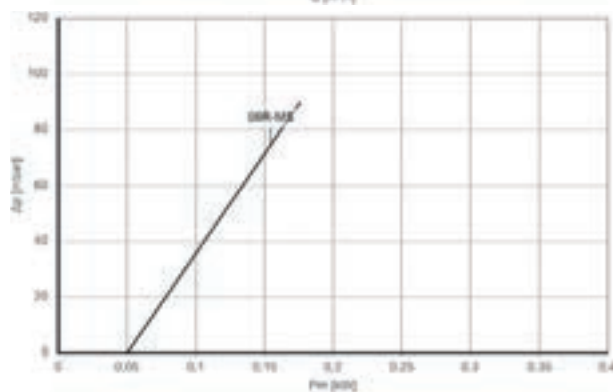
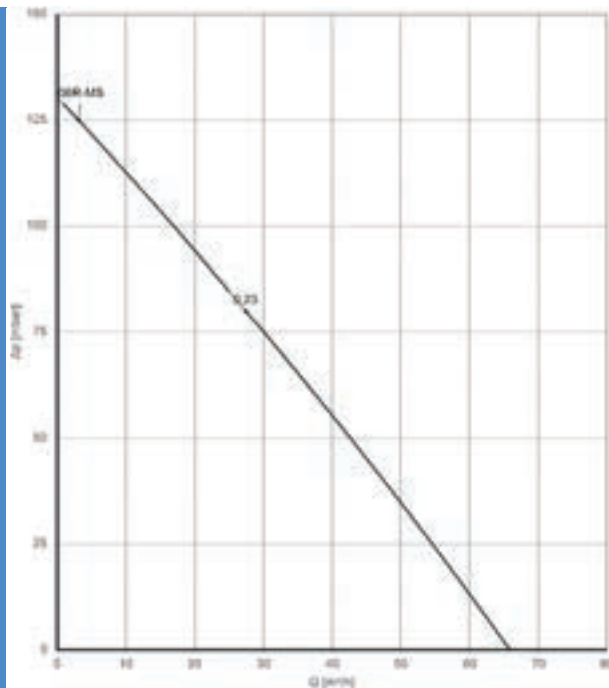
PRESSURE

2900 rpm (50 Hz)

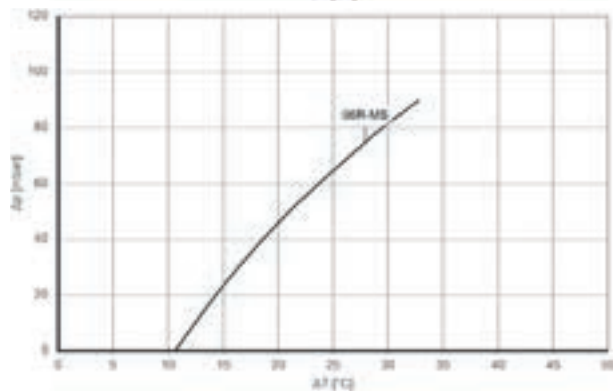
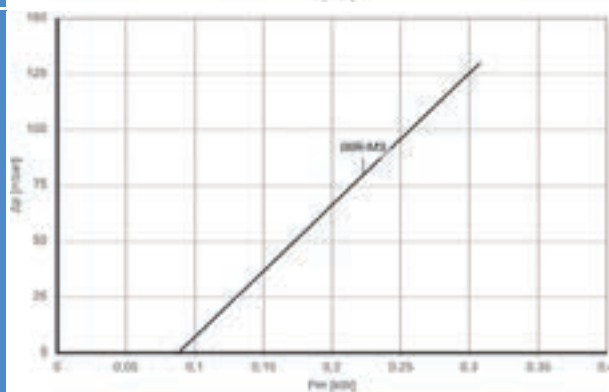
3500 rpm (60 Hz)



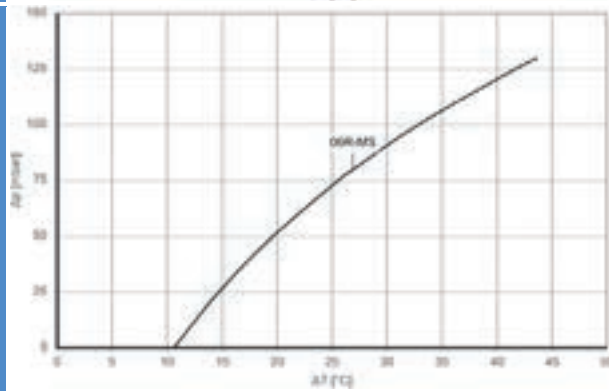
FLOW RATE



ABSORBED POWER



TEMPERATURE INCREASE

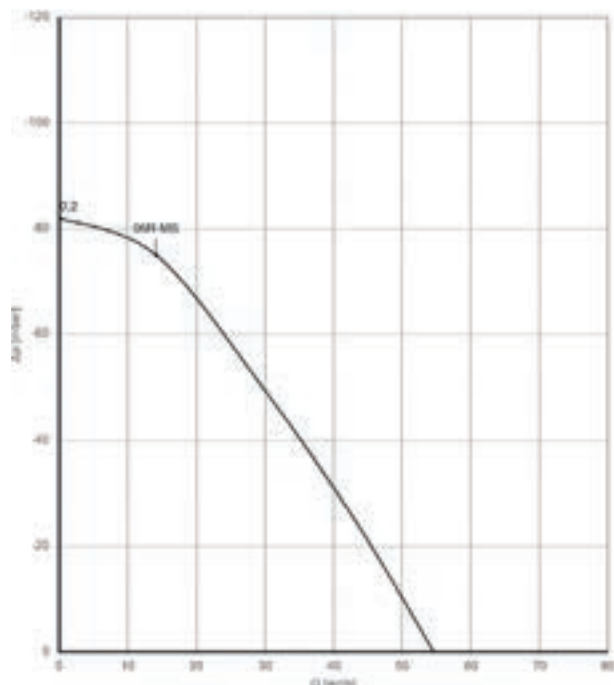


Curves refer to air at 20°C (68°F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: ±10% tolerance.
Data can change without prior notice

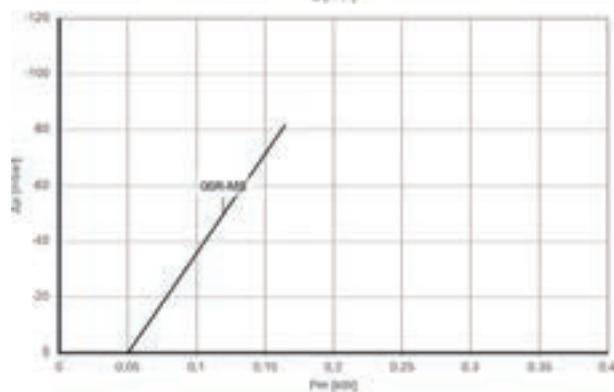
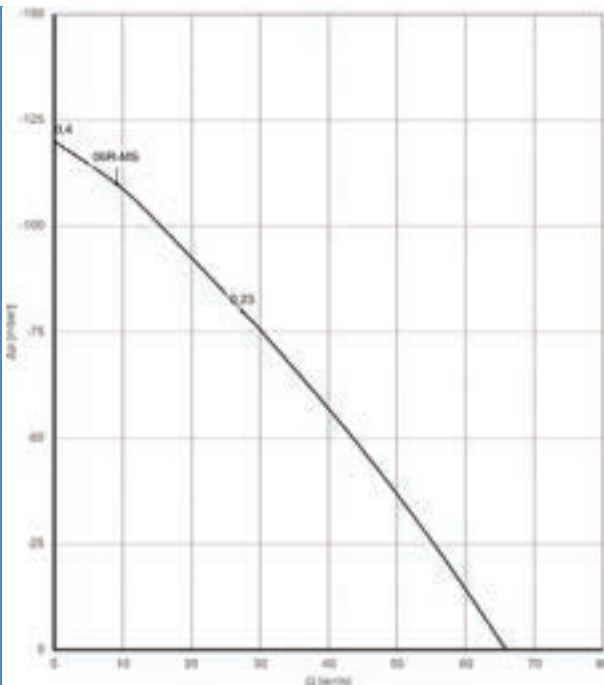
VACUUM

2900 rpm (50 Hz)

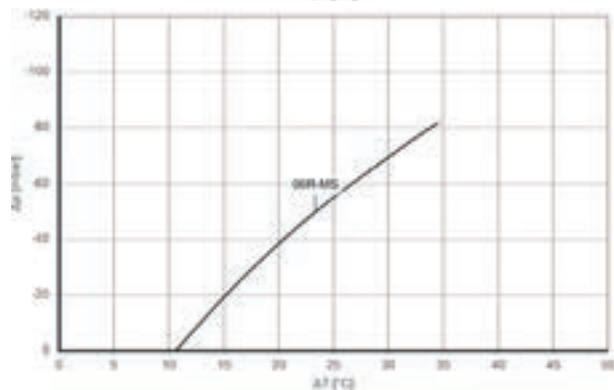
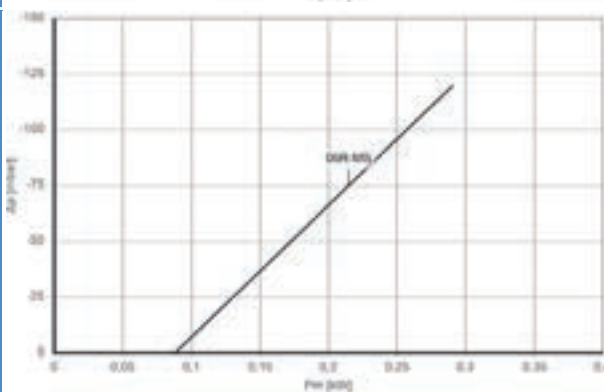
3500 rpm (60 Hz)



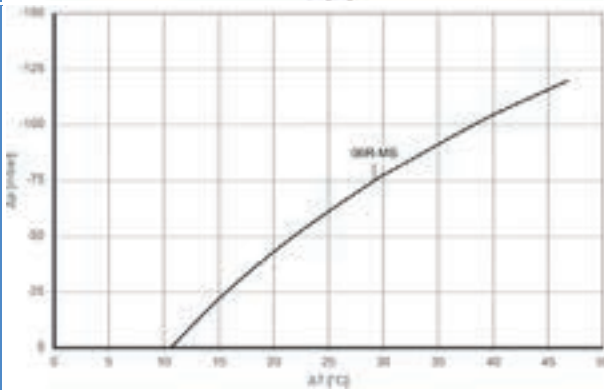
FLOW RATE



ABSORBED POWER

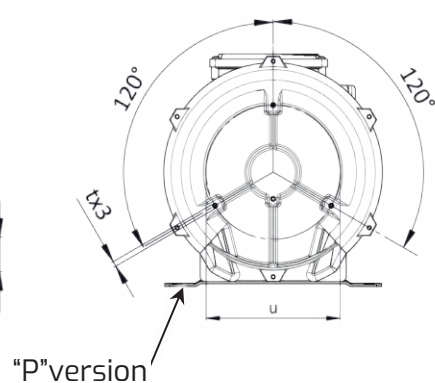
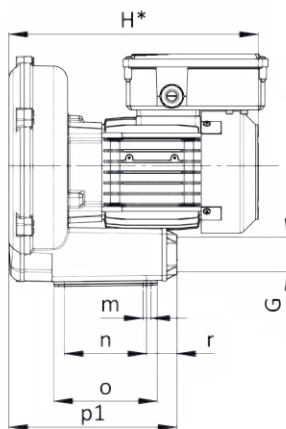
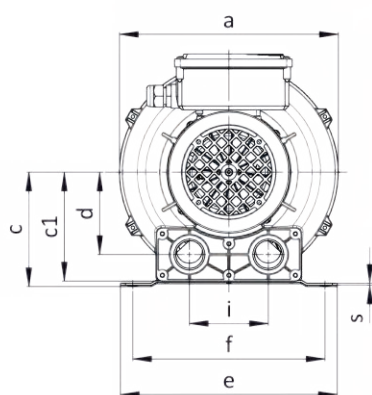


TEMPERATURE INCREASE



Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: ±10% tolerance.
Data can change without prior notice

DIMENSIONS (06R)

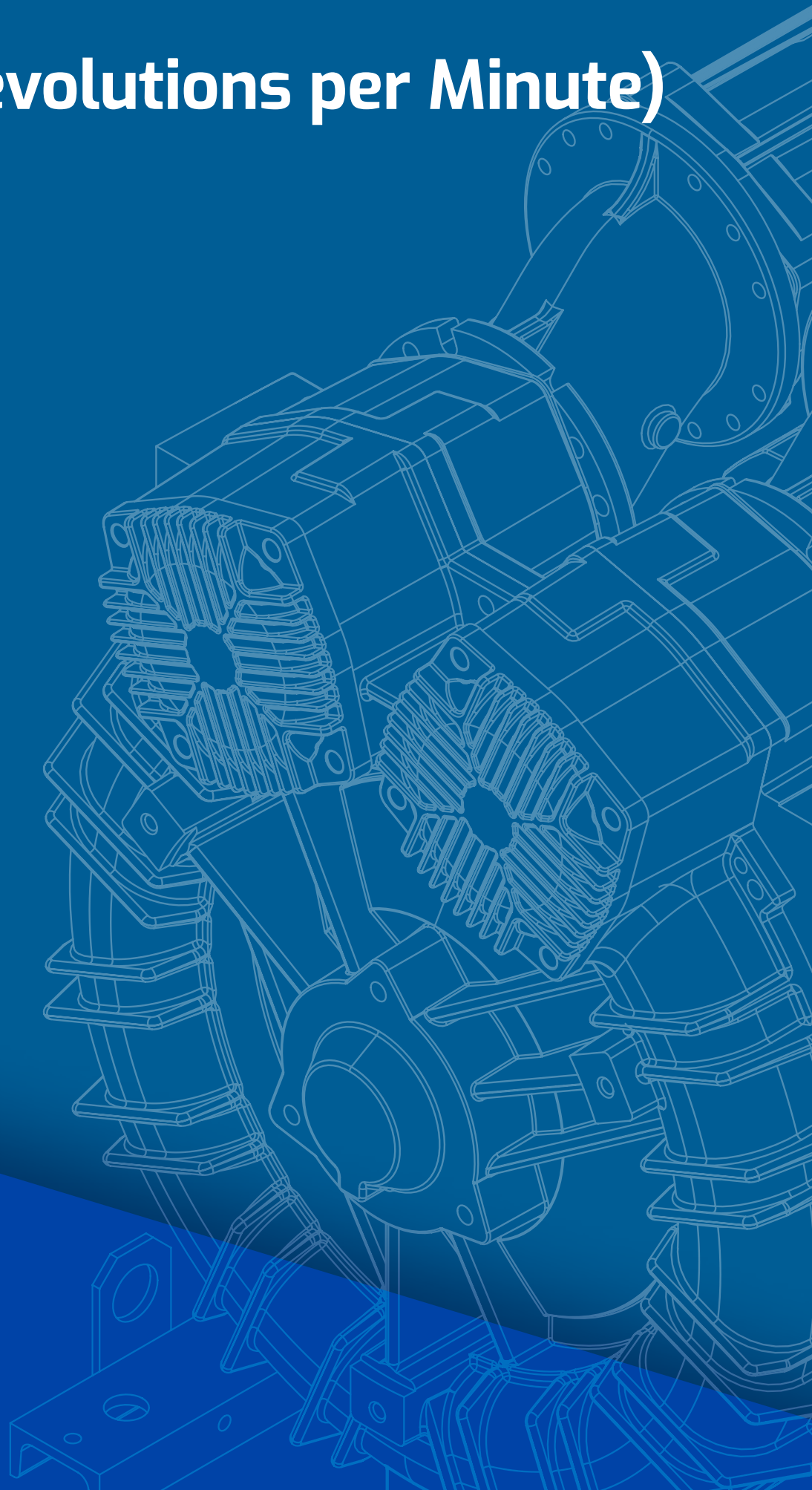


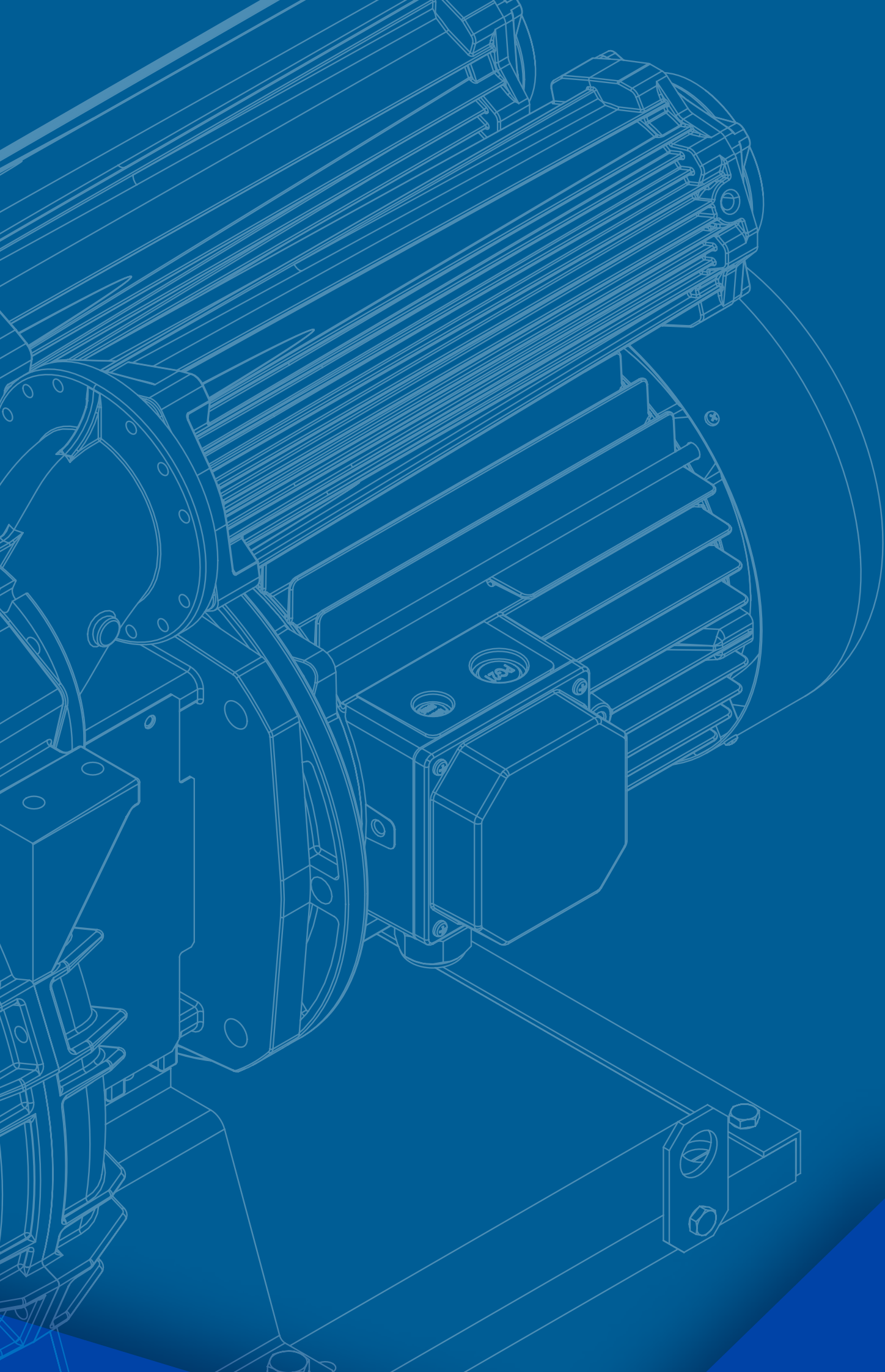
Dimensions in mm - FOR REFERENCE ONLY

Mod	a	c	c1	d	e	f	G	H*	i	m	n	o	p1	q	r
06R-MS	222	116	111	86	220	195	1"	235	80	11	75	105	160	15	35

RPM (Revolutions per Minute)

Data sheet





RPM (Revolutions per Minute)

Version: RPM

SIDE CHANNEL BLOWER
SERIES **K** MODEL **03**
TYPE **MS** EXECUTION **MOR - GOR - GVR**
Rev.19-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]			
COMPRESSION	150	-	-	-	-	-	-	-	-	-	-	-	21	0.45	0.55	-	-	-	-	-	-	-	-	-	-		
	125	-	-	-	-	-	-	-	-	24	0.36	0.55	30	0.39	0.55	42	0.45	0.55	51	0.50	0.55	-	-	-	-		
	100	-	-	14	0.24	0.55	24	0.27	0.55	33	0.31	0.55	38	0.33	0.37	50	0.39	0.55	59	0.43	0.55	67	0.48	0.55	-		
	75	-	-	25	0.19	0.37	34	0.22	0.37	42	0.25	0.37	47	0.27	0.37	59	0.32	0.37	66	0.36	0.55	74	0.40	0.55	81	0.45	0.55
	50	-	-	36	0.14	0.37	44	0.17	0.37	52	0.19	0.37	56	0.21	0.37	67	0.25	0.37	74	0.29	0.37	81	0.33	0.37	88	0.37	0.55
COMPRESSION	25	-	-	47	0.09	0.37	54	0.11	0.37	61	0.14	0.37	65	0.15	0.37	75	0.19	0.37	82	0.22	0.37	88	0.25	0.37	95	0.29	0.37
	0	-	-	57	0.05	0.37	64	0.06	0.37	70	0.08	0.37	74	0.09	0.37	83	0.12	0.37	89	0.15	0.37	96	0.18	0.37	102	0.21	0.37
	25	-	-	48	0.10	0.37	54	0.12	0.37	61	0.14	0.37	65	0.15	0.37	74	0.18	0.37	81	0.21	0.37	87	0.23	0.37	94	0.26	0.37
	50	-	-	37	0.15	0.37	44	0.17	0.37	51	0.19	0.37	55	0.21	0.37	65	0.25	0.37	72	0.28	0.37	78	0.31	0.37	85	0.34	0.55
	75	-	-	26	0.20	0.37	33	0.22	0.37	41	0.25	0.37	45	0.27	0.37	55	0.31	0.37	62	0.35	0.55	69	0.38	0.55	76	0.42	0.55
SUCTION	100	-	-	-	-	-	-	-	-	30	0.31	0.55	35	0.33	0.37	45	0.38	0.55	52	0.42	0.55	60	0.46	0.55	-	-	-
	125	-	-	-	-	-	-	-	-	-	-	-	24	0.39	0.55	35	0.45	0.55	43	0.49	0.55	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	250	-	-	-	-	-	-	-	-	-	-	-	35	1.23	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	225	-	-	-	-	-	34	1.06	1.50	45	1.13	1.50	70	1.29	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	200	-	-	-	-	-	45	0.96	1.50	55	1.02	1.10	79	1.17	1.50	95	1.29	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	175	-	-	-	-	-	38	0.77	1.50	55	0.86	1.10	66	0.92	1.10	88	1.06	1.50	104	1.17	1.50	119	1.28	1.50	-	-	-	-	-	-	-			
	150	-	-	-	31	0.60	49	0.68	1.10	66	0.76	1.10	76	0.81	0.75	98	0.94	1.10	113	1.04	1.50	128	1.15	1.50	142	1.26	1.50	-	-	-	-			
	125	26	0.45	1.10	44	0.52	61	0.59	1.10	77	0.66	1.10	86	0.71	0.75	107	0.83	1.10	122	0.92	1.10	136	1.02	1.50	150	1.13	1.50	164	1.24	1.50	177	1.36	1.50	
	100	40	0.37	1.10	56	0.43	72	0.49	0.75	88	0.56	0.75	96	0.61	0.75	117	0.71	1.10	130	0.80	1.10	144	0.89	1.10	158	0.99	1.10	171	1.10	1.50	184	1.21	1.50	
	75	53	0.30	0.75	69	0.35	84	0.40	0.75	98	0.46	0.75	107	0.50	0.75	126	0.60	0.75	139	0.68	0.75	153	0.76	1.10	166	0.85	1.10	179	0.95	1.10	191	1.06	1.50	
	50	67	0.22	0.75	81	0.26	95	0.31	0.75	109	0.36	0.75	117	0.40	0.75	135	0.49	0.75	148	0.56	0.75	161	0.63	0.75	173	0.72	1.10	186	0.81	1.10	199	0.91	1.10	
	25	81	0.15	0.75	94	0.18	0.75	107	0.22	0.75	119	0.26	0.75	127	0.29	0.75	144	0.37	0.75	157	0.43	0.75	169	0.50	0.75	181	0.58	0.75	194	0.66	0.75	206	0.76	1.10
SUCTION	0	95	0.07	0.75	106	0.10	0.75	118	0.13	0.75	130	0.16	0.75	137	0.19	0.75	154	0.26	0.75	166	0.31	0.75	177	0.37	0.75	189	0.44	0.75	201	0.52	0.75	213	0.61	0.75
	25	83	0.16	0.75	95	0.19	0.75	107	0.23	0.75	120	0.27	0.75	127	0.29	0.75	144	0.36	0.75	156	0.41	0.75	168	0.46	0.75	180	0.52	0.75	192	0.58	0.75	204	0.64	0.75
	50	70	0.23	0.75	83	0.28	0.75	96	0.32	0.75	108	0.37	0.75	116	0.40	0.75	133	0.47	0.75	146	0.53	0.75	158	0.59	0.75	170	0.66	0.75	182	0.72	1.10	194	0.80	1.10
	75	56	0.31	0.75	70	0.36	0.75	83	0.41	0.75	97	0.47	0.75	104	0.50	0.75	122	0.59	0.75	135	0.65	0.75	147	0.72	1.10	160	0.80	1.10	172	0.87	1.10	185	0.95	1.10
	100	41	0.38	1.10	56	0.44	1.10	70	0.50	0.75	84	0.57	0.75	92	0.61	0.75	110	0.70	1.10	123	0.78	1.10	136	0.85	1.10	149	0.93	1.10	162	1.02	1.50	174	1.11	1.50
	125	-	-	-	41	0.52	1.10	56	0.59	1.10	70	0.66	1.10	79	0.71	0.75	98	0.82	1.10	112	0.90	1.10	125	0.98	1.10	138	1.07	1.50	151	1.16	1.50	164	1.26	1.50
	150	-	-	-	-	-	-	40	0.68	1.10	56	0.76	1.10	65	0.81	0.75	85	0.93	1.10	99	1.02	1.50	113	1.12	1.50	126	1.21	1.50	140	1.31	1.50	-	-	-
	175	-	-	-	-	-	-	-	-	-	41	0.86	1.10	50	0.92	1.10	72	1.05	1.50	86	1.15	1.50	100	1.25	1.50	114	1.35	1.50	-	-	-	-	-	
	200	-	-	-	-	-	-	-	-	-	-	-	-	35	1.02	1.10	57	1.16	1.50	73	1.27	1.50	-	-	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	300	-	-	-	-	-	-	-	-	55	1.95	3.00	73	2.06	3.00	112	2.34	3.00	139	2.54	3.00	-	-	-	-	-	-	-	-	-	-			
	275	-	-	-	-	-	-	-	-	69	1.79	2.20	86	1.90	2.20	125	2.16	3.00	150	2.35	3.00	176	2.56	3.00	-	-	-	-	-	-	-			
	250	-	-	-	-	-	-	-	-	83	1.64	2.20	100	1.74	2.20	137	1.98	2.20	162	2.16	3.00	186	2.35	3.00	210	2.55	3.00	-	-	-	-			
	225	-	-	-	-	-	54	1.48	2.20	97	1.48	2.20	113	1.57	2.20	149	1.80	2.20	173	1.97	2.20	197	2.15	3.00	220	2.34	3.00	243	2.53	3.00	-	-		
	200	-	-	-	40	1.19	2.20	69	1.33	2.20	97	1.48	2.20	113	1.57	2.20	149	1.80	2.20	173	1.97	2.20	197	2.15	3.00	220	2.34	3.00	243	2.53	3.00	-	-	
	175	-	-	-	56	1.06	2.20	84	1.19	2.20	111	1.32	2.20	126	1.41	1.50	161	1.62	2.20	185	1.78	2.20	208	1.94	2.20	231	2.12	3.00	253	2.31	3.00	275	2.50	3.00
	150	44	0.81	2.20	72	0.93	2.20	99	1.04	2.20	125	1.17	1.50	140	1.24	1.50	173	1.44	2.20	196	1.58	2.20	219	1.74	2.20	241	1.91	2.20	263	2.08	3.00	284	2.27	3.00
	125	62	0.69	2.20	89	0.79	1.50	114	0.90	1.50	139	1.01	1.50	153	1.08	1.10	185	1.26	1.50	208	1.39	2.20	230	1.54	2.20	251	1.69	2.20	273	1.85	2.20	294	2.03	3.00
	100	80	0.58	1.50	105	0.66	1.50	129	0.75	1.50	153	0.85	1.10	166	0.92	1.10	197	1.08	1.50	219	1.20	1.50	240	1.33	1.50	261	1.48	2.20	282	1.63	2.20	303	1.79	2.20
	75	98	0.46	1.10	121	0.53	1.10	144	0.61	1.10	166	0.70	1.10	180	0.75	1.10	209	0.90	1.10	230	1.01	1.50	251	1.13	1.50	272	1.26	1.50	292	1.40	2.20	312	1.55	2.20
SUCTION	50	116	0.34	1.10	138	0.40	1.10	159	0.47	1.10	180	0.54	1.10	193	0.59	1.10	222	0.72	1.10	242	0.82	1.10	262	0.93	1.10	282	1.04	1.50	302	1.17	1.50	322	1.31	1.50
	25	133	0.22	1.10	154	0.27	1.10	174	0.32	1.10	194	0.38	1.10	206	0.43	1.10	234	0.53	1.10	253	0.62	1.10	273	0.72	1.10	292	0.83	1.10	312	0.95	1.10	331	1.08	1.50
	0	151	0.10	1.10	170	0.13	1.10	189	0.18	1.10	208	0.23	1.10	219	0.26	1.10	246	0.35	1.10	265	0.43	1.10	284	0.52	1.10	302	0.61	1.10	321	0.72	1.10	340	0.84	1.10
	25	136	0.23	1.10	156	0.28	1.10	175	0.33	1.10	194	0.39	1.10	206	0.43	1.10	232	0.52	1.10	252	0.59	1.10	271	0.66	1.10	290	0.74	1.10	309	0.83	1.10	328	0.92	1.10
	50	120	0.35	1.10	140	0.41	1.10	160	0.48	1.10	180	0.55	1.10	192	0.59	1.10	219	0.70	1.10	238	0.78	1.10	258	0.87	1.10	277	0.96	1.10	296	1.06	1.50	316	1.16	1.50
	75	102	0.47	1.10	123	0.54	1.10	144	0.62	1.10	164	0.70	1.10	176	0.75	1.10	205	0.88	1.10	225	0.97	1.10	244	1.07	1.50	264	1.18	1.50	284	1.29	1.50	303	1.40	2.20
	100	82	0.59	1.50	105	0.67	1.50	126	0.76	1.50	148	0.86	1.10	160	0.92	1.10	189	1.06	1.50	210	1.17	1.50	230	1.28	1.50	250	1.40	2.20	270	1.52	2.20	290	1.65	2.20
	125	60	0.70	2.20	85	0.80	1.50	108	0.91	1.50	130	1.01	1.50	143	1.08	1.10	174	1.24	1.50	195	1.36	1.50	215	1.49	2.20	236	1.62	2.20	256	1.75	2.20	277	1.89	2.20
	150	-	-	-	63	0.93	2.20	88	1.05	2.20	112	1.17	1.50	126	1.24	1.50	157	1.42	2.20	179	1.56	2.20	200	1.69	2.20	221	1.84	2.20	242	1.98	2.20	262	2.13	3.00
	175	-	-	-	-	-	-	67	1.19	2.20	92	1.33	2.20	107	1.41	1.50	139	1.60	2.20	162	1.75	2.20	184	1.90	2.20	205	2.05	3.00	227	2.21	3.00	248	2.38	3.00
200	-	-	-	-	-	-	-	-	-	71	1.48	2.20	87	1.57	2.20	121	1.79	2.20	144	1.94	2.20	167	2.11	3.00	189	2.27	3.00	211	2.44	3.00	233	2.62	3.00	
225	-	-	-	-	-	-	-	-	-	-	-	-	66	1.74	2.20	102	1.97	2.20	126	2.14	3.00	150	2.31	3.00	173	2.49	3.00	195	2.67	3.00	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	325	-	-	-	-	-	-	-	-	-	-	-	104	3.62	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	300	-	-	-	-	-	-	-	-	96	3.19	4.00	119	3.37	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	275	-	-	-	-	-	-	-	-	112	2.95	4.00	135	3.13	4.00	186	3.56	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	250	-	-	-	-	-	-	-	-	128	2.72	4.00	150	2.89	4.00	200	3.29	4.00	234	3.60	4.00	-	-	-	-	-	-	-	-	-	-	-		
	225	-	-	-	66	2.00	4.00	106	2.24	4.00	144	2.49	4.00	165	2.64	3.00	214	3.02	4.00	247	3.31	4.00	280	3.62	4.00	-	-	-	-	-	-	-		
	200	-	-	-	85	1.80	4.00	123	2.02	3.00	160	2.25	3.00	181	2.40	3.00	228	2.75	4.00	261	3.03	4.00	292	3.31	4.00	324	3.61	4.00	-	-	-	-	-	
	175	65	1.41	4.00	104	1.60	3.00	141	1.81	3.00	176	2.02	3.00	196	2.15	3.00	242	2.49	3.00	274	2.74	4.00	305	3.01	4.00	336	3.29	4.00	366	3.60	4.00	-	-	-
	150	85	1.23	3.00	123	1.41	3.00	158	1.59	3.00	192	1.79	2.20	211	1.91	2.20	256	2.22	3.00	287	2.45	3.00	317	2.71	3.00	347	2.97	4.00	377	3.26	4.00	406	3.56	4.00
	125	106	1.06	3.00	141	1.21	3.00	175	1.38	2.20	208	1.55	2.20	227	1.67	2.20	270	1.95	2.20	300	2.17	3.00	330	2.40	3.00	359	2.65	3.00	388	2.92	4.00	417	3.21	4.00
	100	127	0.88	2.20	160	1.01	2.20	192	1.16	2.20	224	1.32	2.20	242	1.42	2.20	284	1.68	2.20	313	1.88	2.20	343	2.10	3.00	371	2.33	3.00	400	2.58	3.00	428	2.85	4.00
	75	147	0.70	2.20	179	0.82	2.20	210	0.95	2.20	240	1.09	2.20	257	1.18	2.20	298	1.41	2.20	327	1.60	2.20	355	1.80	2.20	383	2.01	3.00	411	2.25	3.00	439	2.50	3.00
	50	168	0.52	2.20	198	0.62	2.20	227	0.73	2.20	256	0.86	2.20	273	0.94	2.20	312	1.14	2.20	340	1.31	2.20	368	1.49	2.20	395	1.69	2.20	422	1.91	2.20	450	2.14	3.00
	25	189	0.35	2.20	217	0.43	2.20	244	0.52	2.20	272	0.62	2.20	288	0.69	2.20	326	0.87	2.20	353	1.02	2.20	380	1.19	2.20	407	1.37	2.20	434	1.57	2.20	460	1.79	2.20
	0	209	0.17	2.20	236	0.23	2.20	262	0.30	2.20	288	0.39	2.20	304	0.45	2.20	340	0.61	2.20	366	0.74	2.20	393	0.89	2.20	419	1.05	2.20	445	1.23	2.20	471	1.44	2.20
SUCTION	25	192	0.38	2.20	219	0.45	2.20	246	0.54	2.20	272	0.63	2.20	288	0.69	2.20	325	0.84	2.20	352	0.96	2.20	378	1.09	2.20	405	1.22	2.20	431	1.36	2.20	457	1.51	2.20
	50	173	0.55	2.20	201	0.65	2.20	228	0.75	2.20	256	0.86	2.20	272	0.94	2.20	310	1.11	2.20	337	1.25	2.20	363	1.39	2.20	390	1.55	2.20	417	1.71	2.20	444	1.88	2.20
	75	152	0.73	2.20	181	0.84	2.20	210	0.97	2.20	238	1.10	2.20	255	1.18	2.20	293	1.38	2.20	321	1.54	2.20	348	1.70	2.20	375	1.87	2.20	402	2.05	3.00	429	2.24	3.00
	100	129	0.90	2.20	160	1.04	2.20	190	1.18	2.20	219	1.33	2.20	236	1.42	2.20	276	1.65	2.20	304	1.83	2.20	332	2.01	3.00	359	2.20	3.00	387	2.39	3.00	414	2.60	3.00
	125	104	1.07	3.00	137	1.23	3.00	168	1.39	2.20	198	1.56	2.20	216	1.67	2.20	257	1.92	2.20	286	2.12	3.00	314	2.32	3.00	342	2.52	3.00	370	2.74	4.00	398	2.96	4.00
	150	-	-	-	112	1.42	3.00	145	1.61	3.00	177	1.79	2.20	195	1.91	2.20	238	2.19	3.00	267	2.40	3.00	296	2.62	3.00	325	2.85	4.00	354	3.08	4.00	382	3.32	4.00
	175	-	-	-	85	1.62	3.00	120	1.82	3.00	154	2.03	3.00	173	2.15	3.00	217	2.46	3.00	248	2.69	3.00	278	2.93	4.00	307	3.17	4.00	336	3.43	4.00	-	-	-
	200	-	-	-	-	-	-	94	2.03	4.00	130	2.26	3.00	150	2.40	3.00	196	2.73	4.00	227	2.98	4.00	258	3.24	4.00	288	3.50	4.00	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	-	104	2.49	4.00	125	2.64	3.00	173	3.00	4.00	206	3.27	4.00	238	3.54	4.00	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	-	-	-	-	100	2.89	4.00	150	3.27	4.00	184	3.56	4.00	-	-	-	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	350	-	-	-	-	-	-	-	-	-	-	-	187	5.12	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	325	-	-	-	-	-	-	-	-	-	-	-	202	4.81	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	300	-	-	-	-	-	-	-	-	189	4.24	5.50	217	4.51	5.50	283	5.18	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	275	-	-	-	-	-	156	3.53	5.50	205	3.94	5.50	233	4.20	5.50	298	4.84	5.50	344	5.33	5.50	-	-	-	-	-	-	-	-	-	-			
	250	-	-	-	-	-	173	3.26	5.50	221	3.65	5.50	249	3.90	4.00	314	4.51	5.50	359	4.97	5.50	403	5.47	5.50	-	-	-	-	-	-	-			
	225	-	-	-	143	2.65	5.50	191	2.99	5.50	238	3.36	4.00	266	3.59	4.00	329	4.17	5.50	374	4.62	5.50	417	5.09	5.50	-	-	-	-	-	-	-		
	200	-	-	-	161	2.40	4.00	208	2.72	4.00	255	3.07	4.00	282	3.29	4.00	345	3.84	4.00	389	4.26	5.50	432	4.71	5.50	474	5.20	5.50	-	-	-	-		
	175	132	1.87	4.00	180	2.15	4.00	227	2.45	4.00	272	2.78	4.00	299	2.98	3.00	361	3.50	4.00	404	3.90	4.00	446	4.33	5.50	488	4.80	5.50	530	5.29	5.50	-	-	
	150	153	1.65	4.00	200	1.91	4.00	246	2.19	3.00	290	2.49	3.00	317	2.68	3.00	377	3.16	4.00	420	3.54	4.00	461	3.95	4.00	503	4.39	5.50	544	4.87	5.50	584	5.38	5.50
	125	174	1.43	4.00	220	1.66	3.00	265	1.92	3.00	309	2.19	3.00	335	2.37	3.00	394	2.83	3.00	435	3.19	4.00	476	3.57	4.00	517	3.99	5.50	557	4.45	5.50	597	4.93	5.50
	100	197	1.21	3.00	241	1.42	3.00	285	1.65	3.00	328	1.90	2.20	353	2.07	2.20	411	2.49	3.00	451	2.83	3.00	492	3.19	4.00	532	3.59	4.00	571	4.02	5.50	611	4.49	5.50
	75	220	0.98	2.20	263	1.17	2.20	305	1.38	2.20	347	1.61	2.20	371	1.76	2.20	428	2.16	2.20	468	2.47	3.00	507	2.82	3.00	546	3.19	4.00	585	3.60	4.00	624	4.05	5.50
	50	244	0.76	2.20	286	0.92	2.20	326	1.11	2.20	366	1.32	2.20	390	1.46	2.20	445	1.82	2.20	484	2.11	2.20	523	2.44	3.00	561	2.79	3.00	599	3.18	4.00	638	3.60	4.00
	25	270	0.54	2.20	309	0.68	2.20	348	0.84	2.20	386	1.03	2.20	409	1.15	2.20	463	1.48	2.20	501	1.75	2.20	538	2.06	2.20	576	2.39	3.00	614	2.76	3.00	651	3.16	4.00
	0	296	0.32	2.20	333	0.43	2.20	370	0.57	2.20	406	0.74	2.20	429	0.85	2.20	480	1.15	2.20	517	1.40	2.20	554	1.68	2.20	591	1.99	2.20	628	2.34	3.00	665	2.72	3.00
SUCTION	25	273	0.62	2.20	311	0.76	2.20	349	0.92	2.20	386	1.10	2.20	409	1.21	2.20	461	1.50	2.20	498	1.72	2.20	536	1.96	2.20	573	2.22	3.00	610	2.50	3.00	647	2.80	3.00
	50	250	0.83	2.20	289	0.99	2.20	327	1.17	2.20	365	1.37	2.20	388	1.50	2.20	441	1.81	2.20	479	2.06	2.20	517	2.32	3.00	554	2.61	3.00	592	2.91	3.00	629	3.22	4.00
	75	226	1.03	2.20	266	1.22	2.20	305	1.42	2.20	344	1.64	2.20	367	1.78	2.20	421	2.13	2.20	459	2.40	3.00	497	2.69	3.00	535	2.99	3.00	573	3.31	4.00	611	3.65	4.00
	100	202	1.24	3.00	242	1.45	3.00	282	1.67	3.00	322	1.92	2.20	345	2.07	2.20	400	2.45	3.00	439	2.74	3.00	477	3.05	4.00	516	3.37	4.00	554	3.72	4.00	592	4.07	5.50
	125	176	1.44	4.00	218	1.68	3.00	259	1.93	3.00	299	2.19	3.00	323	2.36	3.00	379	2.77	3.00	418	3.08	4.00	457	3.41	4.00	496	3.76	4.00	535	4.12	5.50	573	4.50	5.50
	150	149	1.65	4.00	192	1.90	4.00	235	2.18	3.00	276	2.46	3.00	301	2.64	3.00	357	3.09	4.00	397	3.42	4.00	437	3.77	4.00	476	4.14	5.50	515	4.52	5.50	554	4.93	5.50
	175	-	-	-	166	2.13	4.00	210	2.43	4.00	252	2.74	4.00	277	2.93	3.00	335	3.40	4.00	376	3.76	4.00	416	4.13	5.50	456	4.52	5.50	495	4.93	5.50	535	5.35	5.50
	200	-	-	-	-	-	-	184	2.68	4.00	228	3.01	4.00	254	3.22	4.00	313	3.72	4.00	354	4.10	5.50	395	4.50	5.50	435	4.91	5.50	475	5.33	5.50	-	-	-
225	-	-	-	-	-	-	-	-	-	203	3.28	4.00	229	3.50	4.00	289	4.04	5.50	332	4.44	5.50	373	4.86	5.50	414	5.29	5.50	-	-	-	-	-	-	
250	-	-	-	-	-	-	-	-	-	177	3.56	4.00	204	3.79	4.00	266	4.36	5.50	309	4.78	5.50	351	5.22	5.50	-	-	-	-	-	-	-	-	-	
275	-	-	-	-	-	-	-	-	-	-	-	-	179	4.08	4.00	242	4.68	5.50	286	5.12	5.50	-	-	-	-	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	230	7.96	9.20	322	9.03	9.20	386	9.83	11.00*	448	10.66	11.00*	-	-	-	-	-	-	-			
	400	-	-	-	-	-	-	-	-	-	-	-	248	7.55	9.20	339	8.58	9.20	402	9.35	11.00*	464	10.15	11.00*	-	-	-	-	-	-	-			
	375	-	-	-	-	-	-	-	-	226	6.74	9.20	266	7.14	9.20	356	8.13	9.20	418	8.87	9.20	479	9.65	11.00*	539	10.46	11.00*	-	-	-	-			
	350	-	-	-	-	-	-	-	-	245	6.35	7.50	284	6.74	7.50	373	7.68	9.20	435	8.40	9.20	495	9.14	9.20	554	9.92	11.00*	612	10.74	11.00*	-	-	-	
	325	-	-	-	-	-	-	-	-	198	5.37	7.50	303	6.33	7.50	391	7.23	7.50	451	7.92	9.20	511	8.63	9.20	569	9.39	11.00*	626	10.18	11.00*	-	-	-	
	300	-	-	-	-	-	-	-	-	219	5.01	7.50	322	5.92	7.50	408	6.79	7.50	468	7.44	7.50	527	8.13	9.20	584	8.85	9.20	641	9.62	11.00*	697	10.42	11.00*	
	275	-	-	-	173	4.14	7.50	239	4.65	7.50	303	5.18	7.50	341	5.52	7.50	426	6.34	7.50	485	6.96	7.50	543	7.62	9.20	600	8.32	9.20	656	9.05	9.20	711	9.83	11.00*
	250	-	-	-	195	3.81	7.50	260	4.29	7.50	323	4.79	5.50	360	5.11	5.50	444	5.89	7.50	502	6.48	7.50	559	7.12	7.50	615	7.78	9.20	670	8.49	9.20	725	9.24	11.00*
	225	151	3.06	7.50	218	3.48	7.50	281	3.93	5.50	343	4.40	5.50	379	4.70	5.50	461	5.44	5.50	519	6.01	7.50	575	6.61	7.50	631	7.25	7.50	685	7.93	9.20	739	8.65	9.20
	200	176	2.76	7.50	240	3.15	5.50	303	3.57	5.50	363	4.01	5.50	399	4.29	5.50	479	4.99	5.50	536	5.53	7.50	591	6.10	7.50	646	6.71	7.50	700	7.36	7.50	754	8.05	9.20
	175	200	2.47	5.50	264	2.83	5.50	324	3.21	5.50	384	3.63	5.50	418	3.89	4.00	498	4.54	5.50	553	5.05	5.50	608	5.60	7.50	662	6.18	7.50	715	6.80	7.50	768	7.46	7.50
	150	226	2.17	5.50	287	2.50	5.50	346	2.85	4.00	404	3.24	4.00	438	3.48	4.00	516	4.09	5.50	570	4.57	5.50	624	5.09	5.50	677	5.64	7.50	730	6.24	7.50	782	6.87	7.50
	125	251	1.87	4.00	311	2.17	4.00	369	2.49	4.00	425	2.85	4.00	458	3.07	4.00	534	3.65	4.00	588	4.10	5.50	641	4.58	5.50	693	5.11	5.50	745	5.67	7.50	797	6.28	7.50
	100	277	1.57	4.00	335	1.84	4.00	391	2.14	3.00	446	2.46	3.00	478	2.67	3.00	553	3.20	4.00	605	3.62	4.00	657	4.08	5.50	709	4.57	5.50	760	5.11	5.50	811	5.69	7.50
	75	304	1.28	3.00	359	1.51	3.00	414	1.78	3.00	467	2.07	3.00	499	2.26	3.00	571	2.75	3.00	623	3.14	4.00	674	3.57	4.00	725	4.04	5.50	776	4.55	5.50	826	5.10	5.50
	50	331	0.98	3.00	384	1.19	3.00	437	1.42	3.00	488	1.68	3.00	519	1.85	3.00	590	2.30	3.00	641	2.66	3.00	691	3.06	4.00	741	3.50	4.00	791	3.98	4.00	841	4.51	5.50
	25	359	0.68	3.00	409	0.86	3.00	460	1.06	3.00	510	1.29	3.00	540	1.44	3.00	609	1.85	3.00	659	2.18	3.00	708	2.56	3.00	757	2.97	3.00	806	3.42	4.00	855	3.91	4.00
	0	387	0.39	3.00	435	0.53	3.00	483	0.70	3.00	532	0.90	3.00	561	1.04	3.00	628	1.40	3.00	677	1.71	3.00	725	2.05	3.00	773	2.43	3.00	822	2.86	3.00	870	3.32	4.00
SUCTION	25	363	0.72	3.00	412	0.88	3.00	461	1.05	3.00	510	1.25	3.00	540	1.37	3.00	608	1.69	3.00	657	1.93	3.00	706	2.20	3.00	755	2.48	3.00	804	2.78	3.00	852	3.10	4.00
	50	337	1.00	3.00	387	1.19	3.00	437	1.40	3.00	487	1.62	3.00	517	1.76	3.00	586	2.12	3.00	635	2.39	3.00	685	2.69	3.00	734	3.00	4.00	783	3.33	4.00	832	3.68	4.00
	75	309	1.28	3.00	360	1.50	3.00	412	1.74	3.00	462	1.99	3.00	493	2.15	3.00	563	2.55	3.00	613	2.85	3.00	663	3.18	4.00	712	3.52	4.00	762	3.88	4.00	811	4.26	5.50
	100	280	1.56	4.00	333	1.81	4.00	385	2.08	3.00	437	2.36	3.00	468	2.54	3.00	539	2.98	3.00	590	3.32	4.00	640	3.67	4.00	690	4.04	5.50	740	4.43	5.50	790	4.84	5.50
	125	249	1.84	4.00	304	2.12	4.00	358	2.42	4.00	410	2.73	4.00	442	2.93	4.00	515	3.41	4.00	566	3.78	4.00	617	4.16	5.50	668	4.56	5.50	718	4.98	5.50	769	5.42	5.50
	150	217	2.11	5.50	274	2.43	5.50	329	2.76	4.00	383	3.10	4.00	415	3.32	4.00	489	3.84	4.00	541	4.24	5.50	593	4.65	5.50	645	5.08	5.50	696	5.53	7.50	747	6.00	7.50
	175	-	-	-	242	2.74	5.50	299	3.10	5.50	355	3.48	4.00	388	3.71	4.00	463	4.28	5.50	516	4.70	5.50	569	5.14	5.50	621	5.60	7.50	673	6.08	7.50	724	6.57	7.50
	200	-	-	-	-	-	-	269	3.44	5.50	326	3.85	5.50	360	4.10	5.50	437	4.71	5.50	491	5.16	5.50	544	5.63	7.50	597	6.12	7.50	649	6.63	7.50	701	7.15	7.50
	225	-	-	-	-	-	-	237	3.78	5.50	296	4.22	5.50	330	4.49	5.50	409	5.14	5.50	464	5.62	7.50	518	6.12	7.50	572	6.64	7.50	625	7.18	7.50	678	7.73	9.20
	250	-	-	-	-	-	-	-	-	-	265	4.59	5.50	300	4.88	5.50	381	5.57	7.50	437	6.08	7.50	492	6.61	7.50	547	7.16	7.50	601	7.73	9.20	654	8.31	9.20
	275	-	-	-	-	-	-	-	-	-	-	-	-	270	5.27	7.50	352	6.00	7.50	410	6.55	7.50	466	7.11	7.50	521	7.68	9.20	576	8.28	9.20	630	8.89	9.20
300	-	-	-	-	-	-	-	-	-	-	-	-	-	238	5.66	7.50	323	6.43	7.50	381	7.01	7.50	439	7.60	9.20	495	8.20	9.20	550	8.83	9.20	605	9.47	11.00*

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

TYPE **MS** EXECUTION

SIDE CHANNEL BLOWER
SERIES **e** MODEL **09**
MOR - GOR - GVR
Rev.24-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	271	9.57	11.00	402	10.44	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	-	-	-	-	-	-	-	-	292	9.10	11.00	423	9.92	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	375	-	-	-	-	-	-	-	-	267	8.11	11.00	314	8.64	9.20	423	9.92	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	350	-	-	-	-	-	-	-	-	290	7.67	9.20	337	8.17	9.20	443	9.41	11.00	517	10.35	11.00	-	-	-	-	-	-	-	-	-	-			
	325	-	-	-	-	-	-	-	-	234	6.45	9.20	359	7.70	9.20	465	8.89	11.00	538	9.80	11.00	-	-	-	-	-	-	-	-	-	-			
	300	-	-	-	-	-	-	-	-	258	6.04	9.20	382	7.23	7.50	486	8.37	9.20	558	9.25	11.00	628	10.19	11.00	-	-	-	-	-	-	-			
	275	-	-	-	204	4.97	9.20	283	5.63	9.20	360	6.33	7.50	405	6.76	7.50	507	7.86	9.20	578	8.70	9.20	648	9.60	11.00	-	-	-	-	-	-			
	250	-	-	230	4.60	9.20	309	5.22	7.50	384	5.88	7.50	428	6.30	7.50	529	7.34	9.20	599	8.15	9.20	668	9.02	11.00	735	9.95	11.00	-	-	-	-			
	225	178	3.67	9.20	258	4.22	7.50	334	4.80	7.50	408	5.43	7.50	452	5.83	7.50	551	6.83	7.50	620	7.61	9.20	687	8.44	9.20	754	9.33	11.00	820	10.29	11.00	-		
	200	208	3.33	7.50	285	3.84	7.50	360	4.39	7.50	433	4.98	7.50	475	5.36	5.50	573	6.31	7.50	640	7.06	7.50	707	7.86	9.20	773	8.72	9.20	838	9.64	11.00	-		
	175	237	2.99	7.50	313	3.47	7.50	386	3.98	7.50	458	4.54	5.50	499	4.89	5.50	595	5.80	7.50	662	6.51	7.50	727	7.28	9.20	792	8.10	9.20	857	8.99	11.00	920	9.95	11.00
	150	268	2.65	7.50	342	3.09	5.50	413	3.57	5.50	483	4.09	5.50	523	4.43	5.50	617	5.28	7.50	683	5.96	7.50	747	6.69	7.50	811	7.49	9.20	875	8.35	9.20	938	9.27	11.00
	125	299	2.31	5.50	371	2.71	5.50	440	3.15	5.50	508	3.64	5.50	548	3.96	4.00	640	4.77	5.50	704	5.41	7.50	768	6.11	7.50	831	6.87	7.50	893	7.70	9.20	955	8.59	9.20
	100	331	1.97	5.50	400	2.33	5.50	468	2.74	4.00	533	3.20	4.00	572	3.49	4.00	662	4.25	5.50	725	4.86	5.50	788	5.53	7.50	850	6.26	7.50	912	7.05	7.50	973	7.91	9.20
	75	363	1.63	4.00	430	1.96	4.00	495	2.33	4.00	559	2.75	4.00	597	3.02	4.00	685	3.74	4.00	747	4.31	5.50	809	4.95	5.50	870	5.64	7.50	930	6.40	7.50	991	7.23	9.20
	50	396	1.29	4.00	460	1.58	4.00	523	1.92	4.00	585	2.30	4.00	622	2.56	4.00	708	3.22	4.00	769	3.77	4.00	829	4.37	5.50	889	5.03	5.50	949	5.76	7.50	1009	6.55	7.50
	25	430	0.95	4.00	491	1.20	4.00	552	1.51	4.00	612	1.86	4.00	648	2.09	4.00	731	2.71	4.00	791	3.22	4.00	850	3.78	4.00	909	4.42	5.50	968	5.11	5.50	1027	5.87	7.50
	0	464	0.61	4.00	522	0.83	4.00	580	1.09	4.00	639	1.41	4.00	673	1.62	4.00	755	2.19	4.00	813	2.67	4.00	871	3.20	4.00	929	3.80	4.00	987	4.46	5.50	1045	5.19	5.50
SUCTION	25	436	1.05	4.00	495	1.30	4.00	554	1.58	4.00	613	1.88	4.00	649	2.08	4.00	731	2.59	4.00	790	2.98	4.00	848	3.41	4.00	907	3.87	5.50	966	4.36	5.50	1024	4.89	5.50
	50	404	1.36	4.00	465	1.64	4.00	525	1.95	4.00	585	2.29	4.00	621	2.51	4.00	704	3.06	4.00	764	3.49	4.00	823	3.95	5.50	882	4.45	5.50	941	4.97	5.50	1000	5.52	7.50
	75	370	1.67	4.00	433	1.98	4.00	494	2.33	4.00	555	2.70	4.00	592	2.94	4.00	676	3.54	4.00	737	4.00	5.50	796	4.50	5.50	856	5.02	5.50	916	5.58	7.50	975	6.16	7.50
	100	334	1.97	5.50	399	2.33	5.50	462	2.71	4.00	524	3.11	4.00	562	3.37	4.00	648	4.02	5.50	708	4.51	5.50	769	5.04	5.50	830	5.59	7.50	890	6.18	7.50	950	6.80	7.50
	125	296	2.28	5.50	363	2.67	5.50	428	3.08	5.50	492	3.52	5.50	530	3.80	4.00	618	4.49	5.50	679	5.02	5.50	741	5.58	7.50	802	6.17	7.50	863	6.79	7.50	924	7.44	9.20
	150	255	2.59	7.50	325	3.01	5.50	392	3.46	5.50	458	3.93	5.50	497	4.23	5.50	587	4.97	5.50	650	5.53	7.50	712	6.12	7.50	774	6.74	7.50	836	7.40	9.20	897	8.08	9.20
	175	-	-	-	285	3.35	7.50	355	3.83	5.50	423	4.34	5.50	463	4.66	5.50	554	5.44	7.50	619	6.04	7.50	682	6.66	7.50	745	7.32	9.20	807	8.00	9.20	869	8.72	9.20
	200	-	-	-	-	-	-	317	4.21	7.50	387	4.75	7.50	428	5.09	5.50	521	5.92	7.50	587	6.55	7.50	651	7.21	9.20	715	7.89	9.20	778	8.61	9.20	841	9.36	11.00
	225	-	-	-	-	-	-	276	4.59	7.50	349	5.16	7.50	391	5.52	7.50	487	6.40	7.50	554	7.06	7.50	620	7.75	9.20	685	8.47	9.20	749	9.21	11.00	812	9.99	11.00
	250	-	-	-	-	-	-	-	-	-	309	5.57	7.50	353	5.95	7.50	452	6.87	7.50	520	7.57	9.20	587	8.29	9.20	653	9.04	11.00	719	9.82	11.00	-	-	-
	275	-	-	-	-	-	-	-	-	-	-	-	-	314	6.38	7.50	415	7.35	9.20	485	8.08	9.20	554	8.83	11.00	621	9.61	11.00	688	10.43	11.00	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	-	273	6.81	7.50	378	7.83	9.20	450	8.59	9.20	520	9.37	11.00	588	10.19	11.00	-	-	-	-	-	

Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	368	11.86	15.00	512	13.58	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	-	-	-	-	-	-	-	-	396	11.29	15.00	537	12.94	15.00	632	14.20	15.00	-	-	-	-	-	-	-	-	-	-			
	375	-	-	-	-	-	-	-	-	362	10.06	15.00	424	10.71	15.00	562	12.30	15.00	656	13.52	15.00	-	-	-	-	-	-	-	-	-	-			
	350	-	-	-	-	-	-	-	-	392	9.50	15.00	452	10.13	11.00	587	11.66	15.00	679	12.84	15.00	768	14.08	15.00	-	-	-	-	-	-	-			
	325	-	-	-	-	-	-	-	-	421	8.95	11.00	480	9.55	11.00	612	11.03	15.00	702	12.16	15.00	790	13.36	15.00	-	-	-	-	-	-	-			
	300	-	-	-	-	-	-	-	-	450	8.40	11.00	508	8.97	9.20	637	10.39	11.00	726	11.48	15.00	812	12.64	15.00	896	13.87	15.00	-	-	-	-	-		
	275	-	-	-	-	-	-	-	-	479	7.84	9.20	535	8.39	9.20	662	9.75	11.00	749	10.80	15.00	833	11.92	15.00	917	13.11	15.00	-	-	-	-	-		
	250	-	-	-	-	-	-	-	-	507	7.29	9.20	562	7.81	9.20	686	9.11	11.00	771	10.12	11.00	855	11.20	15.00	937	12.35	15.00	1018	13.58	15.00	-	-	-	
	225	242	4.55	11.00	346	5.23	9.20	443	5.96	9.20	536	6.74	9.20	589	7.23	7.50	710	8.47	9.20	794	9.44	11.00	876	10.48	15.00	957	11.59	15.00	1037	12.77	15.00	1115	14.04	15.00
	200	281	4.13	9.20	380	4.76	9.20	474	5.45	9.20	564	6.18	7.50	616	6.65	7.50	734	7.84	9.20	817	8.76	9.20	898	9.76	11.00	977	10.83	15.00	1056	11.97	15.00	1134	13.20	15.00
	175	318	3.71	9.20	414	4.30	7.50	505	4.94	7.50	592	5.63	7.50	643	6.07	7.50	758	7.20	9.20	839	8.08	9.20	919	9.04	11.00	997	10.06	11.00	1075	11.17	15.00	1152	12.36	15.00
	150	356	3.29	7.50	447	3.83	7.50	535	4.43	7.50	619	5.08	7.50	669	5.49	5.50	782	6.56	7.50	861	7.40	9.20	940	8.32	9.20	1017	9.30	11.00	1094	10.37	11.00	1170	11.52	15.00
	125	392	2.87	7.50	480	3.36	7.50	565	3.92	7.50	647	4.52	5.50	695	4.92	5.50	806	5.92	7.50	884	6.72	7.50	961	7.59	9.20	1037	8.54	9.20	1113	9.57	11.00	1188	10.68	15.00
	100	428	2.44	5.50	513	2.90	5.50	594	3.40	5.50	674	3.97	5.50	721	4.34	5.50	829	5.28	7.50	906	6.04	7.50	981	6.87	7.50	1057	7.78	9.20	1131	8.77	11.00	1206	9.84	11.00
	75	464	2.02	5.50	545	2.43	5.50	623	2.89	5.50	701	3.42	5.50	747	3.76	5.50	853	4.65	5.50	928	5.36	7.50	1002	6.15	7.50	1076	7.02	7.50	1150	7.97	9.20	1223	9.00	11.00
	50	499	1.60	5.50	576	1.96	5.50	652	2.38	5.50	727	2.86	5.50	772	3.18	5.50	876	4.01	5.50	950	4.68	5.50	1023	5.43	7.50	1096	6.26	7.50	1169	7.17	9.20	1241	8.15	9.20
	25	533	1.18	5.50	607	1.50	5.50	681	1.87	5.50	754	2.31	5.50	798	2.60	5.50	899	3.37	5.50	971	4.00	5.50	1043	4.71	5.50	1115	5.50	7.50	1187	6.36	7.50	1259	7.31	9.20
	0	567	0.75	5.50	638	1.03	5.50	709	1.36	5.50	780	1.75	5.50	823	2.02	5.50	922	2.73	5.50	993	3.33	5.50	1064	3.99	5.50	1135	4.74	5.50	1206	5.56	7.50	1276	6.47	7.50
SUCTION	25	539	1.39	5.50	611	1.73	5.50	682	2.11	5.50	754	2.52	5.50	796	2.79	5.50	896	3.48	5.50	967	4.02	5.50	1038	4.60	5.50	1109	5.23	5.50	1180	5.90	7.50	1251	6.61	7.50
	50	509	1.77	5.50	582	2.15	5.50	655	2.56	5.50	727	3.02	5.50	771	3.31	5.50	872	4.06	5.50	944	4.64	5.50	1015	5.26	7.50	1087	5.93	7.50	1158	6.63	7.50	1230	7.39	9.20
	75	474	2.14	5.50	550	2.56	5.50	625	3.02	5.50	699	3.52	5.50	743	3.84	5.50	845	4.64	5.50	918	5.26	7.50	991	5.92	7.50	1063	6.62	7.50	1135	7.37	9.20	1207	8.16	9.20
	100	435	2.52	7.50	514	2.98	5.50	591	3.48	5.50	667	4.02	5.50	713	4.36	5.50	817	5.21	5.50	891	5.88	7.50	964	6.58	7.50	1038	7.32	9.20	1110	8.11	9.20	1183	8.94	11.00
	125	392	2.89	7.50	475	3.39	7.50	555	3.94	7.50	633	4.52	5.50	680	4.88	5.50	786	5.79	7.50	862	6.49	7.50	936	7.24	9.20	1011	8.02	9.20	1084	8.85	11.00	1158	9.72	11.00
	150	345	3.27	7.50	432	3.81	7.50	516	4.39	7.50	597	5.01	7.50	645	5.40	5.50	754	6.37	7.50	831	7.11	7.50	907	7.89	9.20	982	8.72	9.20	1057	9.58	11.00	1131	10.49	15.00
	175	-	-	-	386	4.23	7.50	473	4.85	7.50	558	5.51	7.50	607	5.93	7.50	719	6.95	7.50	798	7.73	9.20	876	8.55	9.20	952	9.42	11.00	1028	10.32	11.00	1104	11.27	15.00
	200	-	-	-	-	-	-	428	5.31	7.50	516	6.01	7.50	567	6.45	7.50	683	7.53	9.20	764	8.35	9.20	843	9.21	11.00	921	10.11	11.00	998	11.06	15.00	1075	12.04	15.00
	225	-	-	-	-	-	-	380	5.76	9.20	471	6.51	9.20	524	6.97	7.50	644	8.11	9.20	727	8.97	11.00	808	9.87	11.00	888	10.81	15.00	967	11.80	15.00	1044	12.82	15.00
	250	-	-	-	-	-	-	-	-	-	424	7.01	9.20	480	7.50	9.20	604	8.69	9.20	689	9.59	11.00	772	10.53	15.00	854	11.51	15.00	934	12.53	15.00	1013	13.60	15.00
	275	-	-	-	-	-	-	-	-	-	-	-	-	432	8.02	9.20	561	9.27	11.00	649	10.21	11.00	734	11.19	15.00	818	12.21	15.00	900	13.27	15.00	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	-	383	8.54	9.20	516	9.85	11.00	607	10.83	15.00	695	11.85	15.00	780	12.91	15.00	864	14.01	15.00	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

MS
TYPE

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*						
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]							
COMPRESSION	450	-	-	-	-	-	-	-	-	-	-	-	542	16.91	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	425	-	-	-	-	-	-	-	-	-	-	-	567	16.17	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	400	-	-	-	-	-	523	14.43	18.50	593	15.43	18.50	751	17.89	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	375	-	-	-	-	-	550	13.72	18.50	619	14.69	18.50	775	17.08	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	350	-	-	-	-	-	577	13.02	15.00	645	13.95	15.00	799	16.26	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	325	-	-	-	-	-	604	12.31	15.00	671	13.21	15.00	822	15.45	18.50	927	17.19	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-						
	300	-	-	-	-	-	631	11.60	15.00	697	12.47	15.00	846	14.63	15.00	950	16.32	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-						
	275	-	-	-	-	-	658	10.90	15.00	723	11.73	15.00	870	13.82	15.00	972	15.45	18.50	1073	17.22	18.50	-	-	-	-	-	-	-	-	-	-						
	250	347	6.74	15.00	465	7.79	15.00	686	10.19	15.00	749	10.99	15.00	894	13.00	15.00	995	14.59	15.00	1094	16.29	18.50	-	-	-	-	-	-	-	-	-	-					
	225	381	6.20	15.00	496	7.20	15.00	713	9.48	11.00	775	10.25	11.00	918	12.19	15.00	1017	13.75	15.00	1115	15.37	18.50	1212	17.16	18.50	-	-	-	-	-	-	-					
	200	416	5.66	15.00	528	6.60	15.00	636	7.64	11.00	740	8.77	11.00	801	9.51	11.00	942	11.37	15.00	1040	12.85	15.00	1137	14.45	15.00	1232	16.19	18.50	-	-	-	-	-				
	175	451	5.12	15.00	560	6.01	11.00	665	6.99	11.00	767	8.07	9.20	828	8.77	9.20	966	10.56	11.00	1062	11.98	15.00	1158	13.53	15.00	1253	15.22	18.50	1347	17.04	18.50	-	-				
	150	486	4.58	11.00	592	5.41	11.00	695	6.33	9.20	795	7.36	9.20	854	8.03	9.20	989	9.74	11.00	1085	11.11	15.00	1179	12.61	15.00	1273	14.25	15.00	1366	16.02	18.50	1458	17.94	18.50			
	125	521	4.04	9.20	624	4.81	9.20	724	5.68	9.20	822	6.65	9.20	880	7.29	9.20	1013	8.93	9.20	1108	10.25	11.00	1201	11.69	15.00	1293	13.27	15.00	1385	15.00	18.50	1477	16.87	18.50			
	100	556	3.50	9.20	656	4.22	9.20	753	5.03	9.20	849	5.95	9.20	906	6.55	9.20	1037	8.11	9.20	1130	9.38	11.00	1222	10.77	15.00	1314	12.30	15.00	1405	13.97	15.00	1495	15.79	18.50			
	75	591	2.96	9.20	688	3.62	9.20	783	4.38	9.20	877	5.24	9.20	933	5.81	9.20	1061	7.30	9.20	1153	8.51	9.20	1244	9.85	11.00	1334	11.33	15.00	1424	12.95	15.00	1514	14.72	18.50			
	50	627	2.42	9.20	720	3.02	9.20	813	3.73	9.20	904	4.53	9.20	959	5.07	9.20	1085	6.48	9.20	1175	7.64	9.20	1265	8.93	9.20	1354	10.36	11.00	1444	11.93	15.00	1533	13.64	15.00			
	25	662	1.88	9.20	753	2.43	9.20	842	3.07	9.20	932	3.82	9.20	985	4.33	9.20	1110	5.67	9.20	1198	6.77	9.20	1287	8.01	9.20	1375	9.38	11.00	1463	10.90	15.00	1551	12.57	15.00			
	SUCTION	0	698	1.34	9.20	785	1.83	9.20	872	2.42	9.20	959	3.12	9.20	1012	3.59	9.20	1134	4.85	9.20	1221	5.90	9.20	1308	7.09	9.20	1395	8.41	9.20	1482	9.88	11.00	1570	11.49	15.00		
25		669	2.06	9.20	757	2.56	9.20	845	3.13	9.20	933	3.76	9.20	985	4.17	9.20	1108	5.22	9.20	1195	6.04	9.20	1283	6.93	9.20	1370	7.88	9.20	1458	8.90	9.20	1545	9.99	11.00			
50		638	2.54	9.20	728	3.11	9.20	817	3.73	9.20	906	4.41	9.20	959	4.85	9.20	1083	5.97	9.20	1171	6.84	9.20	1259	7.78	9.20	1347	8.79	9.20	1435	9.86	11.00	1523	11.00	15.00			
75		604	3.03	9.20	695	3.65	9.20	786	4.32	9.20	877	5.06	9.20	931	5.53	9.20	1056	6.72	9.20	1145	7.65	9.20	1234	8.64	9.20	1323	9.70	11.00	1411	10.82	15.00	1499	12.01	15.00			
100		565	3.52	9.20	660	4.19	9.20	753	4.92	9.20	845	5.71	9.20	900	6.21	9.20	1027	7.47	9.20	1117	8.45	9.20	1207	9.50	11.00	1297	10.60	11.00	1386	11.78	15.00	1475	13.02	15.00			
125		523	4.00	9.20	621	4.73	9.20	717	5.51	9.20	812	6.35	9.20	868	6.89	9.20	997	8.23	9.20	1088	9.26	11.00	1179	10.35	11.00	1270	11.51	15.00	1360	12.74	15.00	1449	14.03	15.00			
150		477	4.49	11.00	579	5.27	9.20	679	6.11	9.20	775	7.00	9.20	833	7.57	9.20	964	8.98	11.00	1057	10.06	11.00	1150	11.21	15.00	1241	12.42	15.00	1332	13.70	15.00	1423	15.04	18.50			
175		428	4.98	11.00	535	5.81	11.00	637	6.70	11.00	737	7.65	9.20	796	8.25	9.20	930	9.73	11.00	1025	10.87	15.00	1118	12.06	15.00	1211	13.33	15.00	1303	14.65	18.50	1395	16.05	18.50			
200		-	-	-	-	-	-	486	6.35	11.00	593	7.29	11.00	696	8.30	11.00	757	8.93	9.20	894	10.49	11.00	991	11.67	15.00	1086	12.92	15.00	1180	14.23	15.00	1273	15.61	18.50	1366	17.06	18.50
225		-	-	-	-	-	-	-	-	-	547	7.89	11.00	653	8.95	11.00	715	9.61	11.00	857	11.24	15.00	955	12.48	15.00	1052	13.78	15.00	1148	15.14	18.50	1242	16.57	18.50	-	-	
250		-	-	-	-	-	-	-	-	-	497	8.48	15.00	608	9.59	11.00	672	10.29	11.00	817	11.99	15.00	918	13.28	15.00	1016	14.63	15.00	1114	16.05	18.50	1210	17.53	18.50	-	-	
275		-	-	-	-	-	-	-	-	-	-	-	-	560	10.24	15.00	626	10.97	15.00	776	12.74	15.00	879	14.09	15.00	980	15.49	18.50	1079	16.96	18.50	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	579	11.65	15.00	733	13.50	15.00	838	14.89	18.50	941	16.35	18.50	1042	17.86	18.50	-	-	-	-			
325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	529	12.33	15.00	688	14.25	15.00	796	15.70	18.50	901	17.20	18.50	-	-	-	-	-	-				

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Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	325	-	-	-	-	-	-	-	-	-	-	-	176	6.07	7.50	281	6.56	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	300	-	-	-	-	-	-	-	-	-	-	-	199	5.69	7.50	281	6.56	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	275	-	-	-	-	-	-	-	-	186	4.98	7.50	222	5.32	7.50	302	6.15	7.50	356	6.78	7.50	-	-	-	-	-	-	-	-	-	-			
	250	-	-	-	-	-	-	-	-	211	4.62	7.50	245	4.94	5.50	323	5.73	7.50	376	6.34	7.50	-	-	-	-	-	-	-	-	-	-			
	225	-	-	-	-	-	-	-	-	176	3.78	7.50	268	4.56	5.50	344	5.31	7.50	396	5.90	7.50	447	6.52	7.50	-	-	-	-	-	-	-			
	200	-	-	-	143	3.03	7.50	202	3.45	5.50	259	3.90	5.50	292	4.18	5.50	365	4.90	5.50	416	5.45	7.50	466	6.05	7.50	515	6.69	7.50	-	-	-	-		
	175	111	2.36	5.50	171	2.72	5.50	229	3.11	5.50	283	3.54	5.50	315	3.80	5.50	387	4.48	5.50	436	5.01	7.50	485	5.58	7.50	533	6.19	7.50	-	-	-	-		
	150	142	2.09	5.50	200	2.42	5.50	255	2.78	5.50	307	3.17	4.00	338	3.43	4.00	408	4.07	5.50	456	4.57	5.50	504	5.11	7.50	551	5.70	7.50	597	6.33	7.50	-	-	
	125	173	1.81	5.50	228	2.11	4.00	281	2.45	4.00	331	2.81	4.00	361	3.05	4.00	429	3.65	5.50	476	4.12	5.50	523	4.64	5.50	568	5.20	7.50	614	5.81	7.50	659	6.46	7.50
	100	204	1.54	4.00	257	1.81	4.00	307	2.11	4.00	356	2.45	4.00	384	2.67	4.00	450	3.23	4.00	496	3.68	5.50	541	4.17	5.50	586	4.70	5.50	631	5.28	7.50	675	5.91	7.50
SUCTION	75	235	1.26	4.00	285	1.51	4.00	333	1.78	4.00	380	2.09	4.00	408	2.29	4.00	471	2.82	4.00	516	3.24	4.00	560	3.70	5.50	604	4.21	5.50	648	4.76	5.50	692	5.36	7.50
	50	267	0.98	4.00	313	1.20	4.00	359	1.45	4.00	404	1.73	4.00	431	1.91	4.00	492	2.40	4.00	536	2.79	4.00	579	3.23	4.00	622	3.71	5.50	665	4.24	5.50	708	4.81	5.50
	25	298	0.71	4.00	342	0.90	4.00	385	1.12	4.00	428	1.37	4.00	454	1.54	4.00	514	1.98	4.00	556	2.35	4.00	598	2.76	4.00	640	3.21	4.00	682	3.71	5.50	724	4.26	5.50
	0	329	0.43	4.00	370	0.59	4.00	411	0.78	4.00	453	1.01	4.00	477	1.16	4.00	535	1.57	4.00	576	1.91	4.00	617	2.29	4.00	658	2.72	4.00	699	3.19	4.00	741	3.71	5.50
	25	303	0.79	4.00	345	0.97	4.00	387	1.17	4.00	428	1.39	4.00	453	1.54	4.00	511	1.90	4.00	553	2.18	4.00	594	2.49	4.00	636	2.82	4.00	677	3.17	4.00	719	3.54	4.00
	50	274	1.06	4.00	318	1.27	4.00	361	1.50	4.00	403	1.75	4.00	429	1.91	4.00	488	2.32	4.00	530	2.63	4.00	572	2.97	4.00	614	3.32	4.00	656	3.70	5.50	698	4.10	5.50
	75	243	1.33	4.00	288	1.57	4.00	333	1.83	4.00	376	2.11	4.00	403	2.29	4.00	463	2.74	4.00	506	3.08	4.00	549	3.44	4.00	591	3.83	5.50	634	4.23	5.50	676	4.66	5.50
	100	208	1.60	4.00	256	1.87	4.00	302	2.16	4.00	348	2.47	4.00	375	2.67	4.00	437	3.16	4.00	481	3.53	4.00	524	3.92	5.50	567	4.33	5.50	610	4.77	5.50	653	5.22	7.50
	125	170	1.87	5.50	221	2.18	4.00	270	2.50	4.00	317	2.83	4.00	345	3.05	4.00	409	3.57	4.00	454	3.97	5.50	498	4.39	5.50	542	4.84	5.50	586	5.30	7.50	629	5.79	7.50
	150	-	-	-	184	2.48	5.50	235	2.83	5.50	285	3.20	4.00	313	3.43	4.00	380	3.99	5.50	426	4.42	5.50	471	4.87	5.50	516	5.34	7.50	561	5.83	7.50	605	6.35	7.50
175	-	-	-	-	-	-	198	3.16	5.50	250	3.56	5.50	280	3.80	5.50	349	4.41	5.50	396	4.87	5.50	443	5.35	7.50	489	5.85	7.50	534	6.37	7.50	-	-	-	
200	-	-	-	-	-	-	-	-	-	214	3.92	5.50	245	4.18	5.50	316	4.83	5.50	366	5.32	7.50	414	5.82	7.50	461	6.35	7.50	-	-	-	-	-		
225	-	-	-	-	-	-	-	-	-	175	4.28	5.50	209	4.56	5.50	283	5.25	7.50	334	5.76	7.50	383	6.30	7.50	-	-	-	-	-	-	-	-		
250	-	-	-	-	-	-	-	-	-	-	-	-	170	4.94	5.50	247	5.67	7.50	300	6.21	7.50	351	6.78	7.50	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	250	-	-	-	-	-	-	-	-	-	-	-	160	3.80	4.00	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	-	-	-	185	3.48	4.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	180	2.97	4.00	210	3.16	4.00	277	3.63	4.00	-	-	-
	175	-	-	-	-	-	156	2.38	4.00	206	2.66	4.00	235	2.84	3.00	299	3.27	4.00	344	3.61	4.00
	150	-	-	-	134	1.85	184	2.09	4.00	232	2.35	3.00	260	2.51	3.00	322	2.92	4.00	365	3.23	4.00
	125	115	1.39	4.00	165	1.59	213	1.81	3.00	258	2.05	3.00	285	2.19	3.00	345	2.57	3.00	386	2.85	4.00
	100	148	1.16	3.00	195	1.34	241	1.53	3.00	284	1.74	3.00	309	1.87	3.00	367	2.21	3.00	408	2.48	3.00
	75	182	0.92	3.00	226	1.08	268	1.25	3.00	310	1.43	3.00	334	1.55	3.00	390	1.86	3.00	429	2.10	3.00
	50	215	0.69	3.00	256	0.82	296	0.96	3.00	336	1.13	3.00	359	1.23	3.00	412	1.51	3.00	450	1.72	3.00
	25	248	0.45	3.00	287	0.56	324	0.68	3.00	361	0.82	3.00	384	0.91	3.00	435	1.15	3.00	471	1.35	3.00
SUCTION	0	282	0.22	3.00	317	0.30	352	0.40	3.00	387	0.51	3.00	408	0.59	3.00	458	0.80	3.00	493	0.97	3.00
	25	254	0.50	3.00	290	0.60	326	0.71	3.00	361	0.83	3.00	383	0.91	3.00	433	1.11	3.00	469	1.26	3.00
	50	223	0.72	3.00	261	0.85	298	0.99	3.00	335	1.14	3.00	357	1.23	3.00	408	1.46	3.00	444	1.64	3.00
	75	189	0.95	3.00	229	1.11	268	1.27	3.00	306	1.44	3.00	328	1.55	3.00	381	1.82	3.00	418	2.02	3.00
	100	152	1.18	3.00	194	1.36	235	1.55	3.00	275	1.75	3.00	299	1.87	3.00	353	2.18	3.00	391	2.40	3.00
	125	-	-	-	157	1.62	200	1.83	3.00	242	2.06	3.00	267	2.19	3.00	323	2.53	3.00	362	2.78	4.00
	150	-	-	-	-	-	164	2.11	4.00	208	2.36	3.00	233	2.51	3.00	292	2.89	4.00	332	3.16	4.00
	175	-	-	-	-	-	124	2.39	4.00	171	2.67	4.00	198	2.84	3.00	259	3.24	4.00	301	3.54	4.00
	200	-	-	-	-	-	-	-	-	132	2.97	4.00	161	3.16	4.00	224	3.60	4.00	-	-	-
	225	-	-	-	-	-	-	-	-	-	-	-	122	3.48	4.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
SERIES **K** MODEL **05-66**
TYPE **TS** EXECUTION **MOR**

Rev. 20-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	225	-	-	-	-	-	-	-	-	166	3.18	4.00	169	3.72	4.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	195	2.86	4.00	198	3.39	4.00	-	-	-	-	-	-
	175	-	-	-	-	-	142	2.55	4.00	221	2.54	4.00	224	3.05	4.00	-	-	-	-	-	-
	150	-	-	120	1.98	4.00	174	2.25	4.00	245	2.22	4.00	247	2.72	4.00	-	-	-	-	-	-
	125	101	1.49	156	1.71	4.00	203	1.96	4.00	265	1.90	4.00	268	2.38	4.00	-	-	-	-	-	-
	100	140	1.24	186	1.44	4.00	227	1.66	4.00	282	1.58	4.00	286	2.05	4.00	-	-	-	-	-	-
	75	173	1.00	212	1.17	4.00	248	1.36	4.00	297	1.26	4.00	302	1.71	4.00	-	-	-	-	-	-
SUCTION	50	199	0.75	233	0.90	4.00	265	1.07	4.00	308	0.94	4.00	315	1.38	4.00	-	-	-	-	-	-
	25	218	0.51	248	0.63	4.00	278	0.77	4.00	317	0.62	4.00	326	1.04	4.00	-	-	-	-	-	-
	0	230	0.27	259	0.36	4.00	288	0.48	4.00	309	0.95	4.00	334	0.71	4.00	-	-	-	-	-	-
	25	221	0.56	251	0.68	4.00	280	0.81	4.00	298	1.27	4.00	326	1.05	4.00	-	-	-	-	-	-
	50	205	0.80	236	0.94	4.00	267	1.10	4.00	281	1.59	4.00	316	1.38	4.00	-	-	-	-	-	-
	75	179	1.04	214	1.21	4.00	248	1.40	4.00	258	1.91	4.00	300	1.71	4.00	-	-	-	-	-	-
	100	143	1.28	184	1.48	4.00	222	1.69	4.00	230	2.23	4.00	279	2.05	4.00	-	-	-	-	-	-
	125	-	-	146	1.74	4.00	190	1.98	4.00	195	2.55	4.00	252	2.38	4.00	-	-	-	-	-	-
	150	-	-	-	-	-	150	2.27	4.00	155	2.87	4.00	221	2.72	4.00	-	-	-	-	-	-
	175	-	-	-	-	-	-	-	-	-	-	-	183	3.05	4.00	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-	-	-	140	3.39	4.00	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	300	-	-	-	-	-	-	-	-	-	-	-	229	7.14	7.50	-	-	-	-	-	-
	275	-	-	-	-	-	-	-	-	-	-	-	256	6.62	7.50	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	243	5.76	7.50	284	6.11	7.50	-	-	-	-	-	-
	225	-	-	-	-	-	203	4.73	7.50	272	5.26	7.50	312	5.59	7.50	402	6.40	7.50	-	-	-
	200	-	-	-	3.81	7.50	234	4.28	7.50	301	4.77	7.50	340	5.08	7.50	427	5.83	7.50	487	6.40	7.50
	175	-	-	-	3.40	7.50	266	3.82	7.50	330	4.28	7.50	368	4.56	7.50	452	5.26	7.50	511	5.79	7.50
	150	163	2.61	7.50	2.98	5.50	297	3.37	5.50	359	3.78	5.50	395	4.04	5.50	478	4.69	5.50	535	5.19	7.50
	125	201	2.24	5.50	2.56	5.50	328	2.91	5.50	388	3.29	5.50	423	3.53	4.00	503	4.12	5.50	559	4.58	5.50
	100	238	1.86	5.50	2.15	4.00	360	2.46	4.00	417	2.79	4.00	451	3.01	4.00	529	3.55	4.00	583	3.98	5.50
	75	275	1.48	4.00	1.73	4.00	391	2.00	4.00	446	2.30	4.00	479	2.49	4.00	554	2.98	4.00	607	3.37	4.00
	50	313	1.11	4.00	1.31	4.00	422	1.55	4.00	475	1.81	4.00	507	1.98	4.00	579	2.41	4.00	631	2.76	4.00
	25	350	0.73	4.00	0.90	4.00	454	1.09	4.00	504	1.31	4.00	535	1.46	4.00	605	1.84	4.00	655	2.16	4.00
SUCTION	0	388	0.35	4.00	0.48	4.00	485	0.64	4.00	533	0.82	4.00	562	0.94	4.00	630	1.28	4.00	679	1.55	4.00
	25	356	0.79	4.00	0.96	4.00	455	1.14	4.00	504	1.33	4.00	534	1.46	4.00	603	1.78	4.00	651	2.02	4.00
	50	322	1.16	4.00	1.37	4.00	424	1.59	4.00	474	1.83	4.00	505	1.98	4.00	574	2.35	4.00	624	2.64	4.00
	75	284	1.53	4.00	1.78	4.00	390	2.04	4.00	442	2.32	4.00	473	2.49	4.00	545	2.92	4.00	595	3.25	4.00
	100	243	1.90	5.50	2.19	5.50	354	2.49	4.00	408	2.81	4.00	440	3.01	4.00	513	3.49	4.00	565	3.86	5.50
	125	197	2.27	5.50	2.60	5.50	315	2.94	5.50	371	3.30	5.50	404	3.53	4.00	479	4.07	5.50	532	4.47	5.50
	150	-	-	-	3.01	7.50	273	3.40	5.50	332	3.80	5.50	366	4.04	5.50	444	4.64	5.50	499	5.08	7.50
	175	-	-	-	-	-	229	3.85	7.50	291	4.29	5.50	326	4.56	5.50	407	5.21	7.50	463	5.70	7.50
	200	-	-	-	-	-	-	-	-	247	4.78	7.50	284	5.08	5.50	369	5.78	7.50	427	6.31	7.50
	225	-	-	-	-	-	-	-	-	201	5.27	7.50	240	5.59	7.50	328	6.36	7.50	-	-	-
	250	-	-	-	-	-	-	-	-	-	-	-	194	6.11	7.50	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
SERIES **e** MODEL **07**
TYPE **TS** EXECUTION **MOR - GOR - GVR**
Rev.19-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
325	-	-	-	-	-	-	-	-	-	-	-	-	339	9.99	11.00	-	-	-	-	-	-	-	-	-	-	-	-
300	-	-	-	-	-	-	-	-	-	-	-	-	374	9.35	11.00	510	10.71	11.00	-	-	-	-	-	-	-	-	-
275	-	-	-	-	-	-	-	-	-	352	8.18	9.20	410	8.71	9.20	543	10.00	11.00	-	-	-	-	-	-	-	-	-
250	-	-	-	-	-	-	290	6.77	9.20	389	7.57	9.20	446	8.07	9.20	577	9.30	11.00	667	10.24	11.00	-	-	-	-	-	-
225	-	-	-	-	-	-	330	6.20	9.20	427	6.95	9.20	483	7.42	9.20	611	8.59	9.20	699	9.48	11.00	786	10.43	11.00	-	-	-
200	-	-	-	273	4.98	9.20	371	5.64	9.20	465	6.34	7.50	520	6.78	7.50	645	7.88	9.20	732	8.73	9.20	817	9.63	11.00	901	10.60	11.00
175	218	3.89	9.20	317	4.46	7.50	412	5.07	7.50	504	5.72	7.50	557	6.14	7.50	680	7.17	7.50	765	7.97	9.20	849	8.83	9.20	931	9.75	11.00
150	265	3.42	7.50	361	3.94	7.50	454	4.50	7.50	543	5.11	7.50	595	5.49	5.50	715	6.46	7.50	798	7.22	7.50	880	8.03	9.20	961	8.91	9.20
125	314	2.96	7.50	407	3.43	7.50	496	3.94	5.50	582	4.49	5.50	633	4.85	5.50	750	5.76	7.50	831	6.47	7.50	912	7.23	7.50	991	8.06	9.20
100	364	2.49	5.50	452	2.91	5.50	539	3.37	5.50	622	3.88	5.50	672	4.21	5.50	785	5.05	5.50	865	5.71	7.50	944	6.43	7.50	1022	7.22	7.50
75	414	2.02	5.50	499	2.39	5.50	582	2.80	5.50	663	3.27	5.50	711	3.57	5.50	821	4.34	5.50	899	4.96	5.50	976	5.63	7.50	1052	6.37	7.50
50	466	1.55	5.50	547	1.87	5.50	626	2.24	5.50	704	2.65	5.50	750	2.92	5.50	857	3.63	5.50	933	4.20	5.50	1008	4.83	5.50	1083	5.53	7.50
25	519	1.08	5.50	595	1.35	5.50	671	1.67	5.50	745	2.04	5.50	790	2.28	5.50	894	2.92	5.50	967	3.45	5.50	1041	4.03	5.50	1114	4.68	5.50
0	573	0.61	5.50	644	0.84	5.50	716	1.10	5.50	787	1.42	5.50	830	1.64	5.50	930	2.21	5.50	1002	2.69	5.50	1073	3.24	5.50	1145	3.84	5.50
25	526	1.27	5.50	599	1.56	5.50	673	1.89	5.50	746	2.25	5.50	790	2.49	5.50	892	3.09	5.50	964	3.56	5.50	1037	4.06	5.50	1110	4.60	5.50
50	475	1.66	5.50	550	2.00	5.50	625	2.37	5.50	699	2.78	5.50	744	3.04	5.50	847	3.70	5.50	921	4.21	5.50	995	4.76	5.50	1068	5.34	5.50
75	422	2.06	5.50	500	2.44	5.50	576	2.86	5.50	652	3.31	5.50	697	3.60	5.50	802	4.31	5.50	877	4.87	5.50	951	5.46	5.50	1026	6.08	7.50
100	368	2.45	5.50	448	2.88	5.50	526	3.34	5.50	604	3.84	5.50	650	4.15	5.50	757	4.92	5.50	832	5.52	7.50	908	6.15	7.50	983	6.82	7.50
125	-	-	-	395	3.32	7.50	475	3.83	5.50	554	4.36	5.50	601	4.70	5.50	710	5.54	7.50	787	6.18	7.50	863	6.85	7.50	939	7.56	9.20
150	-	-	-	-	-	-	423	4.31	7.50	504	4.89	5.50	552	5.25	5.50	663	6.15	7.50	741	6.83	7.50	818	7.55	9.20	895	8.30	9.20
175	-	-	-	-	-	-	370	4.79	7.50	453	5.42	7.50	502	5.81	7.50	615	6.76	7.50	694	7.49	9.20	773	8.24	9.20	851	9.04	9.20
200	-	-	-	-	-	-	-	-	-	401	5.94	7.50	451	6.36	7.50	566	7.38	7.50	647	8.14	9.20	727	8.94	9.20	806	9.77	11.00
225	-	-	-	-	-	-	-	-	-	-	-	-	399	6.91	7.50	517	7.99	9.20	599	8.80	9.20	680	9.64	11.00	760	10.51	11.00

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	375	-	-	-	-	-	-	-	-	566	14.73	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	598	13.98	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	558	12.34	15.00	630	13.23	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	591	11.63	15.00	661	12.48	15.00	818	14.61	15.00	-	-	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	505	9.62	15.00	624	10.91	15.00	692	11.73	15.00	846	13.78	15.00	-	-	-	-	-	-	-	-	-	-
	250	-	-	-	419	7.82	15.00	541	8.96	15.00	656	10.19	15.00	723	10.97	11.00	873	12.96	15.00	977	14.51	15.00	-	-	-	-	-	-
	225	-	-	-	459	7.22	15.00	577	8.30	15.00	689	9.47	11.00	754	10.22	11.00	901	12.13	15.00	1003	13.63	15.00	-	-	-	-	-	-
	200	376	5.68	15.00	498	6.61	15.00	611	7.63	11.00	720	8.75	11.00	784	9.47	11.00	928	11.30	15.00	1028	12.74	15.00	1126	14.31	15.00	-	-	-
	175	420	5.13	11.00	536	6.01	11.00	646	6.97	11.00	752	8.03	9.20	813	8.72	9.20	954	10.47	11.00	1053	11.86	15.00	1150	13.38	15.00	-	-	-
	150	462	4.58	11.00	574	5.40	9.20	680	6.31	9.20	783	7.31	9.20	843	7.97	9.20	981	9.64	11.00	1078	10.98	15.00	1173	12.44	15.00	1267	14.03	15.00
	125	504	4.03	9.20	610	4.79	9.20	713	5.65	9.20	813	6.59	7.50	872	7.21	7.50	1007	8.81	9.20	1102	10.10	11.00	1196	11.50	15.00	1289	13.04	15.00
	100	544	3.48	7.50	647	4.19	7.50	746	4.98	7.50	843	5.88	7.50	901	6.46	7.50	1033	7.99	9.20	1126	9.22	11.00	1219	10.57	11.00	1311	12.05	15.00
75	584	2.94	7.50	682	3.58	7.50	778	4.32	7.50	873	5.16	7.50	929	5.71	7.50	1059	7.16	7.50	1151	8.33	9.20	1242	9.63	11.00	1332	11.07	15.00	
SUCTION	50	623	2.39	7.50	717	2.98	7.50	810	3.66	7.50	902	4.44	7.50	957	4.96	7.50	1084	6.33	7.50	1174	7.45	7.50	1264	8.70	9.20	1354	10.08	11.00
	25	661	1.84	7.50	752	2.37	7.50	842	2.99	7.50	931	3.72	7.50	985	4.21	7.50	1109	5.50	7.50	1198	6.57	7.50	1287	7.76	9.20	1375	9.09	9.20
	0	698	1.29	7.50	785	1.76	7.50	873	2.33	7.50	960	3.00	7.50	1012	3.45	7.50	1134	4.67	7.50	1222	5.69	7.50	1309	6.83	7.50	1396	8.10	9.20
	25	662	2.15	7.50	750	2.68	7.50	837	3.28	7.50	924	3.94	7.50	977	4.37	7.50	1099	5.47	7.50	1186	6.34	7.50	1272	7.28	7.50	1359	8.28	9.20
	50	628	2.64	7.50	718	3.22	7.50	807	3.88	7.50	895	4.59	7.50	948	5.06	7.50	1071	6.23	7.50	1159	7.15	7.50	1247	8.13	9.20	1334	9.19	11.00
	75	590	3.12	7.50	682	3.77	7.50	773	4.47	7.50	863	5.24	7.50	917	5.74	7.50	1042	6.98	7.50	1131	7.95	9.20	1219	8.99	9.20	1308	10.10	11.00
	100	547	3.61	9.20	643	4.31	7.50	736	5.07	7.50	829	5.89	7.50	883	6.42	7.50	1011	7.74	9.20	1101	8.76	9.20	1190	9.85	11.00	1279	11.01	15.00
	125	499	4.10	9.20	599	4.85	9.20	696	5.66	9.20	791	6.54	7.50	847	7.10	7.50	977	8.49	9.20	1068	9.57	11.00	1159	10.71	11.00	1249	11.92	15.00
	150	447	4.59	11.00	552	5.39	9.20	652	6.26	9.20	750	7.19	9.20	808	7.78	9.20	941	9.25	11.00	1034	10.37	11.00	1126	11.57	15.00	1218	12.83	15.00
	175	-	-	-	500	5.93	11.00	605	6.85	11.00	707	7.84	9.20	766	8.46	9.20	902	10.00	11.00	998	11.18	15.00	1092	12.43	15.00	1185	13.74	15.00
	200	-	-	-	-	-	-	555	7.45	11.00	660	8.49	11.00	722	9.14	9.20	862	10.75	11.00	959	11.99	15.00	1055	13.28	15.00	1150	14.65	15.00
	225	-	-	-	-	-	-	502	8.05	11.00	611	9.14	11.00	675	9.82	11.00	819	11.51	15.00	919	12.79	15.00	1017	14.14	15.00	-	-	-
250	-	-	-	-	-	-	-	-	-	559	9.79	11.00	625	10.50	11.00	774	12.26	15.00	877	13.60	15.00	-	-	-	-	-	-	
275	-	-	-	-	-	-	-	-	-	-	-	-	573	11.18	15.00	727	13.02	15.00	832	14.40	15.00	-	-	-	-	-	-	
300	-	-	-	-	-	-	-	-	-	-	-	-	518	11.86	15.00	677	13.77	15.00	-	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
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Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*					
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]			
COMPRESSION	375	-	-	-	-	-	-	-	-	-	-	-	628	16.79	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-		
	350	-	-	-	-	-	-	-	-	-	-	-	674	15.86	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-		
	325	-	-	-	-	-	-	-	-	626	14.02	18.50	720	14.92	18.50	933	17.15	18.50	-	-	-	-	-	-	-	-	-	-		
	300	-	-	-	-	-	-	-	-	674	13.13	18.50	767	13.99	15.00	975	16.12	18.50	-	-	-	-	-	-	-	-	-	-		
	275	-	-	-	-	-	-	-	-	566	10.93	18.50	723	12.24	15.00	813	13.06	15.00	1018	15.09	18.50	1159	16.65	18.50	-	-	-	-		
	250	-	-	-	-	-	-	-	-	619	10.11	15.00	771	11.35	15.00	860	12.13	15.00	1060	14.06	15.00	1199	15.55	18.50	1335	17.14	18.50	-	-	
	225	-	-	-	-	-	-	-	-	671	9.29	15.00	820	10.46	15.00	906	11.19	15.00	1103	13.04	15.00	1239	14.46	18.50	1373	15.98	18.50	1504	17.60	18.50
	200	413	6.49	15.00	572	7.44	15.00	723	8.47	15.00	868	9.56	15.00	953	10.26	11.00	1145	12.01	15.00	1279	13.37	15.00	1410	14.82	18.50	1540	16.38	18.50		
	175	476	5.81	15.00	629	6.69	15.00	775	7.64	11.00	917	8.67	11.00	999	9.33	11.00	1188	10.98	15.00	1319	12.27	15.00	1448	13.66	15.00	1576	15.15	18.50		
	150	538	5.13	15.00	686	5.94	11.00	828	6.82	11.00	965	7.78	11.00	1046	8.40	11.00	1230	9.95	11.00	1359	11.18	15.00	1486	12.50	15.00	1612	13.92	15.00		
	125	601	4.45	11.00	743	5.19	11.00	880	6.00	11.00	1014	6.89	11.00	1092	7.46	11.00	1273	8.93	11.00	1399	10.08	11.00	1524	11.34	15.00	1648	12.70	15.00		
	100	663	3.77	11.00	800	4.44	11.00	933	5.18	11.00	1062	6.00	11.00	1139	6.53	11.00	1315	7.90	11.00	1440	8.99	11.00	1563	10.18	11.00	1684	11.47	15.00		
75	726	3.09	11.00	857	3.68	11.00	985	4.36	11.00	1111	5.11	11.00	1186	5.60	11.00	1358	6.87	11.00	1480	7.89	11.00	1601	9.02	11.00	1721	10.25	11.00			
50	789	2.41	11.00	914	2.93	11.00	1038	3.53	11.00	1160	4.22	11.00	1233	4.67	11.00	1401	5.84	11.00	1520	6.80	11.00	1639	7.86	11.00	1757	9.02	11.00			
25	852	1.73	11.00	972	2.18	11.00	1091	2.71	11.00	1209	3.33	11.00	1279	3.73	11.00	1443	4.82	11.00	1560	5.71	11.00	1677	6.70	11.00	1793	7.80	11.00			
0	915	1.05	11.00	1029	1.43	11.00	1143	1.89	11.00	1258	2.43	11.00	1326	2.80	11.00	1486	3.79	11.00	1600	4.61	11.00	1715	5.54	11.00	1829	6.57	11.00			
SUCTION	25	862	1.90	11.00	978	2.33	11.00	1093	2.81	11.00	1209	3.35	11.00	1278	3.69	11.00	1439	4.57	11.00	1554	5.25	11.00	1669	5.99	11.00	1784	6.78	11.00		
	50	805	2.53	11.00	924	3.04	11.00	1042	3.59	11.00	1159	4.20	11.00	1229	4.58	11.00	1393	5.55	11.00	1509	6.31	11.00	1625	7.11	11.00	1741	7.97	11.00		
	75	741	3.17	11.00	864	3.75	11.00	985	4.37	11.00	1105	5.04	11.00	1177	5.47	11.00	1343	6.54	11.00	1461	7.36	11.00	1578	8.23	11.00	1695	9.16	11.00		
	100	671	3.81	11.00	799	4.46	11.00	924	5.15	11.00	1048	5.89	11.00	1121	6.36	11.00	1290	7.52	11.00	1410	8.41	11.00	1529	9.35	11.00	1647	10.35	11.00		
	125	595	4.44	11.00	729	5.16	11.00	859	5.93	11.00	986	6.74	11.00	1061	7.25	11.00	1234	8.51	11.00	1356	9.47	11.00	1477	10.48	11.00	1597	11.54	15.00		
	150	511	5.08	15.00	653	5.87	11.00	788	6.71	11.00	920	7.59	11.00	997	8.14	11.00	1175	9.49	11.00	1300	10.52	15.00	1423	11.60	15.00	1545	12.72	15.00		
	175	-	-	-	571	6.58	15.00	713	7.48	11.00	850	8.44	11.00	930	9.03	11.00	1113	10.48	15.00	1240	11.57	15.00	1366	12.72	15.00	1490	13.91	15.00		
	200	-	-	-	-	-	-	633	8.26	15.00	776	9.28	11.00	859	9.92	11.00	1047	11.46	15.00	1178	12.63	15.00	1306	13.84	15.00	1433	15.10	18.50		
	225	-	-	-	-	-	-	549	9.04	15.00	698	10.13	15.00	784	10.81	15.00	978	12.45	15.00	1113	13.68	15.00	1244	14.96	18.50	1374	16.29	18.50		
	250	-	-	-	-	-	-	-	-	-	616	10.98	15.00	705	11.70	15.00	907	13.44	15.00	1045	14.73	18.50	1180	16.08	18.50	1312	17.48	18.50		
	275	-	-	-	-	-	-	-	-	-	-	-	-	623	12.59	15.00	831	14.42	18.50	974	15.79	18.50	1113	17.20	18.50	-	-	-		
	300	-	-	-	-	-	-	-	-	-	-	-	-	537	13.48	15.00	753	15.41	18.50	901	16.84	18.50	-	-	-	-	-	-		

Tolerance on indicated values $\pm 10\%$.
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Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	275	-	-	-	-	-	-	-	-	-	-	-	981	16.65	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	930	14.47	18.50	1031	15.52	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	982	13.39	18.50	1082	14.39	15.00	1311	16.90	18.50	-	-	-	-	-	-	-	-	-	-
	200	-	-	-	-	-	869	10.82	18.50	1036	12.30	15.00	1134	13.25	15.00	1359	15.65	18.50	1517	17.53	18.50	-	-	-	-	-	-	-
	175	-	-	-	759	8.53	15.00	927	9.82	15.00	1090	11.22	15.00	1187	12.12	15.00	1408	14.41	18.50	1564	16.20	18.50	-	-	-	-	-	-
	150	652	6.52	15.00	821	7.62	15.00	985	8.82	15.00	1146	10.14	15.00	1241	10.99	11.00	1458	13.16	15.00	1611	14.87	18.50	1762	16.74	18.50	-	-	-
	125	720	5.70	15.00	884	6.70	15.00	1045	7.82	15.00	1202	9.06	11.00	1295	9.86	11.00	1509	11.91	15.00	1659	13.54	15.00	1808	15.33	18.50	1955	17.27	18.50
	100	789	4.87	11.00	949	5.79	11.00	1106	6.82	11.00	1259	7.97	11.00	1350	8.72	11.00	1560	10.66	15.00	1707	12.22	15.00	1854	13.92	15.00	1999	15.78	18.50
	75	861	4.04	11.00	1016	4.88	11.00	1168	5.82	11.00	1317	6.89	11.00	1406	7.59	11.00	1611	9.41	11.00	1756	10.89	15.00	1900	12.51	15.00	2043	14.29	18.50
	50	935	3.22	11.00	1084	3.97	11.00	1231	4.83	11.00	1376	5.81	11.00	1463	6.46	11.00	1663	8.16	11.00	1806	9.56	11.00	1947	11.10	15.00	2088	12.80	15.00
	25	1011	2.39	11.00	1154	3.05	11.00	1296	3.83	11.00	1436	4.72	11.00	1521	5.32	11.00	1716	6.92	11.00	1855	8.23	11.00	1994	9.69	11.00	2133	11.32	15.00
	0	1089	1.57	11.00	1225	2.14	11.00	1361	2.83	11.00	1497	3.64	11.00	1579	4.19	11.00	1770	5.67	11.00	1906	6.90	11.00	2042	8.28	11.00	2178	9.83	11.00
SUCTION	25	1021	2.68	11.00	1158	3.32	11.00	1295	4.03	11.00	1431	4.82	11.00	1512	5.33	11.00	1703	6.63	11.00	1838	7.65	11.00	1974	8.76	11.00	2110	9.94	11.00
	50	958	3.44	11.00	1098	4.16	11.00	1237	4.96	11.00	1375	5.83	11.00	1458	6.39	11.00	1651	7.80	11.00	1788	8.91	11.00	1925	10.09	11.00	2061	11.36	15.00
	75	887	4.20	11.00	1031	5.00	11.00	1174	5.89	11.00	1315	6.84	11.00	1400	7.45	11.00	1595	8.98	11.00	1734	10.16	11.00	1873	11.43	15.00	2011	12.77	15.00
	100	808	4.96	11.00	959	5.85	11.00	1106	6.81	11.00	1251	7.85	11.00	1337	8.51	11.00	1536	10.15	11.00	1677	11.42	15.00	1818	12.76	15.00	1957	14.19	15.00
	125	723	5.71	15.00	880	6.69	15.00	1033	7.74	11.00	1182	8.86	11.00	1270	9.57	11.00	1474	11.33	15.00	1617	12.67	15.00	1760	14.10	15.00	1901	15.60	18.50
	150	-	-	-	795	7.53	15.00	954	8.67	15.00	1108	9.87	15.00	1199	10.63	11.00	1408	12.50	15.00	1554	13.93	15.00	1699	15.44	18.50	1843	17.02	18.50
	175	-	-	-	704	8.38	15.00	870	9.59	15.00	1030	10.88	15.00	1124	11.69	15.00	1338	13.68	15.00	1488	15.19	18.50	1636	16.77	18.50	-	-	-
	200	-	-	-	-	-	-	781	10.52	15.00	947	11.89	15.00	1044	12.75	15.00	1265	14.85	18.50	1418	16.44	18.50	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	-	860	12.90	18.50	961	13.81	15.00	1188	16.02	18.50	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	-	768	13.91	18.50	873	14.87	18.50	1108	17.20	18.50	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	-	-	-	-	-	-	-	781	15.93	18.50	-	-	-	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
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Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
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Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	300	-	-	-	-	-	-	-	-	-	-	-	1184	20.31	22.00	-	-	-	-	-	-
	275	-	-	-	-	-	-	-	-	1118	17.75	22.00	1229	19.06	22.00	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	1165	16.56	22.00	1277	17.81	22.00	1537	20.94	22.00	-	-	-
	225	-	-	-	-	-	1030	13.50	22.00	1215	15.36	18.50	1327	16.55	18.50	1586	19.56	22.00	-	-	-
	200	-	-	-	10.77	22.00	1082	12.40	18.50	1268	14.17	18.50	1379	15.30	18.50	1638	18.19	22.00	1820	20.45	22.00
	175	-	-	-	9.76	18.50	1138	11.29	18.50	1323	12.97	18.50	1434	14.05	15.00	1690	16.81	18.50	1872	18.99	22.00
	150	825	7.45	18.50	8.75	18.50	1197	10.19	15.00	1381	11.77	15.00	1491	12.80	15.00	1745	15.43	18.50	1925	17.52	18.50
	125	889	6.54	15.00	7.74	15.00	1259	9.09	15.00	1442	10.58	15.00	1550	11.55	15.00	1801	14.05	15.00	1979	16.05	18.50
	100	958	5.63	15.00	6.73	15.00	1325	7.98	15.00	1505	9.38	15.00	1612	10.30	15.00	1859	12.67	15.00	2034	14.58	18.50
	75	1034	4.71	15.00	5.73	15.00	1394	6.88	15.00	1571	8.18	15.00	1676	9.04	15.00	1919	11.29	15.00	2091	13.11	15.00
SUCTION	50	1116	3.80	15.00	4.72	15.00	1467	5.78	15.00	1639	6.99	15.00	1742	7.79	15.00	1981	9.91	15.00	2150	11.64	15.00
	25	1204	2.89	15.00	3.71	15.00	1543	4.67	15.00	1711	5.79	15.00	1811	6.54	15.00	2044	8.53	15.00	2210	10.18	15.00
	0	1298	1.98	15.00	2.70	15.00	1622	3.57	15.00	1784	4.60	15.00	1882	5.29	15.00	2109	7.15	15.00	2271	8.71	15.00
	25	1218	3.15	15.00	3.91	15.00	1545	4.76	15.00	1708	5.70	15.00	1806	6.30	15.00	2033	7.85	15.00	2196	9.07	15.00
	50	1142	3.99	15.00	4.85	15.00	1474	5.79	15.00	1640	6.82	15.00	1738	7.48	15.00	1969	9.16	15.00	2133	10.47	15.00
	75	1060	4.84	15.00	5.79	15.00	1400	6.82	15.00	1568	7.95	15.00	1668	8.66	15.00	1901	10.47	15.00	2067	11.87	15.00
	100	972	5.68	15.00	6.73	15.00	1322	7.85	15.00	1493	9.07	15.00	1595	9.84	15.00	1832	11.78	15.00	1999	13.27	15.00
	125	880	6.53	15.00	7.67	15.00	1240	8.89	15.00	1415	10.20	15.00	1519	11.02	15.00	1759	13.08	15.00	1929	14.67	18.50
	150	782	7.37	18.50	8.60	18.50	1154	9.92	15.00	1333	11.32	15.00	1440	12.21	15.00	1684	14.39	18.50	1857	16.06	18.50
	175	-	-	-	9.54	18.50	1064	10.95	18.50	1249	12.45	15.00	1357	13.39	15.00	1607	15.70	18.50	1783	17.46	18.50
	200	-	-	-	-	-	971	11.99	18.50	1160	13.57	18.50	1272	14.57	18.50	1527	17.01	18.50	1706	18.86	22.00
	225	-	-	-	-	-	874	13.02	18.50	1069	14.70	18.50	1184	15.75	18.50	1444	18.32	22.00	1627	20.26	22.00
	250	-	-	-	-	-	-	-	-	974	15.82	18.50	1092	16.93	18.50	1359	19.62	22.00	-	-	-
	275	-	-	-	-	-	-	-	-	-	-	-	998	18.11	22.00	1271	20.93	22.00	-	-	-
300	-	-	-	-	-	-	-	-	-	-	-	-	900	19.29	22.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	250	-	-	-	-	-	-	-	-	-	-	-	1489	20.26	22.00	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	1417	17.48	22.00	1542	18.77	22.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	1472	16.05	18.50	1596	17.28	18.50	1883	20.38	22.00	-	-	-
	175	-	-	-	-	-	1322	12.81	18.50	1529	14.63	18.50	1653	15.79	18.50	1938	18.74	22.00	2139	21.06	22.00
	150	-	-	-	9.94	18.50	1384	11.50	18.50	1589	13.20	18.50	1711	14.30	15.00	1993	17.10	18.50	2193	19.31	22.00
	125	1036	7.44	18.50	8.74	15.00	1448	10.18	15.00	1651	11.78	15.00	1772	12.81	15.00	2051	15.45	18.50	2248	17.56	18.50
	100	1108	6.35	15.00	7.54	15.00	1515	8.87	15.00	1715	10.35	15.00	1834	11.32	15.00	2109	13.81	15.00	2304	15.81	18.50
	75	1186	5.26	15.00	6.34	15.00	1387	7.56	15.00	1782	8.93	15.00	1899	9.83	15.00	2170	12.17	15.00	2362	14.06	15.00
	50	1269	4.17	15.00	5.14	15.00	1466	6.24	15.00	1852	7.50	15.00	1966	8.34	15.00	2232	10.53	15.00	2420	12.31	15.00
	25	1358	3.09	15.00	3.93	15.00	1548	4.93	15.00	1923	6.08	15.00	2035	6.85	15.00	2295	8.89	15.00	2481	10.56	15.00
SUCTION	0	1453	2.00	15.00	2.73	15.00	1816	3.61	15.00	1997	4.65	15.00	2106	5.36	15.00	2360	7.24	15.00	2542	8.82	15.00
	25	1371	3.33	15.00	4.11	15.00	1739	4.99	15.00	1922	5.95	15.00	2032	6.57	15.00	2288	8.16	15.00	2470	9.40	15.00
	50	1289	4.35	15.00	5.24	15.00	1662	6.22	15.00	1847	7.30	15.00	1958	7.99	15.00	2217	9.73	15.00	2401	11.08	15.00
	75	1203	5.36	15.00	6.37	15.00	1583	7.46	15.00	1771	8.65	15.00	1883	9.40	15.00	2144	11.29	15.00	2330	12.75	15.00
	100	1114	6.37	15.00	7.49	15.00	1501	8.70	15.00	1692	10.00	15.00	1806	10.82	15.00	2070	12.86	15.00	2258	14.43	15.00
	125	1022	7.38	18.50	8.62	15.00	1417	9.94	15.00	1611	11.34	15.00	1727	12.23	15.00	1994	14.43	15.00	2184	16.10	18.50
	150	-	-	-	9.74	18.50	1331	11.17	18.50	1528	12.69	15.00	1646	13.64	15.00	1917	15.99	18.50	2109	17.78	18.50
	175	-	-	-	-	-	1242	12.41	18.50	1443	14.04	18.50	1563	15.06	18.50	1838	17.56	18.50	2032	19.45	22.00
	200	-	-	-	-	-	-	-	-	1356	15.39	18.50	1478	16.47	18.50	1757	19.13	22.00	1954	21.13	22.00
	225	-	-	-	-	-	-	-	-	1267	16.74	22.00	1391	17.89	18.50	1675	20.69	22.00	-	-	-
250	-	-	-	-	-	-	-	-	-	-	-	-	1302	19.30	22.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm		
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n
300	-	-	-	-	-	-	-	-	-	-	-	-	14	0.54	0.55	23	0.61	0.75	28	0.66	0.75	34	0.72	1.10	40	0.77	1.10	45	0.83	1.10	51	0.89	1.10
275	-	-	-	-	-	-	-	-	-	13	0.47	0.75	17	0.50	0.55	25	0.57	0.75	31	0.62	0.75	37	0.67	0.75	42	0.72	1.10	48	0.78	1.10	53	0.84	1.10
250	-	-	-	-	-	-	-	-	-	16	0.44	0.55	19	0.46	0.55	28	0.52	0.75	33	0.57	0.75	39	0.62	0.75	45	0.67	0.75	50	0.72	1.10	55	0.78	1.10
225	-	-	-	-	-	-	13	0.36	0.55	19	0.40	0.55	22	0.42	0.55	30	0.48	0.55	36	0.52	0.55	42	0.57	0.75	47	0.62	0.75	52	0.67	0.75	57	0.72	1.10
200	-	-	-	10	0.29	0.55	16	0.32	0.55	22	0.36	0.55	25	0.38	0.55	33	0.44	0.55	39	0.48	0.55	44	0.52	0.55	49	0.56	0.75	55	0.61	0.75	60	0.66	1.10
175	-	-	-	13	0.26	0.55	19	0.29	0.55	25	0.32	0.55	28	0.34	0.55	36	0.39	0.55	41	0.43	0.55	47	0.47	0.55	52	0.51	0.55	57	0.56	0.75	62	0.60	0.75
150	10	0.20	0.55	16	0.22	0.55	22	0.25	0.55	28	0.28	0.55	31	0.30	0.55	39	0.35	0.55	44	0.38	0.55	49	0.42	0.55	54	0.46	0.55	59	0.50	0.55	64	0.54	0.75
125	14	0.17	0.55	20	0.19	0.55	25	0.22	0.55	31	0.24	0.55	34	0.26	0.55	42	0.30	0.55	47	0.34	0.55	52	0.37	0.55	57	0.41	0.55	62	0.44	0.55	67	0.49	0.55
100	18	0.14	0.55	23	0.16	0.55	29	0.18	0.55	34	0.21	0.55	37	0.22	0.55	44	0.26	0.55	49	0.29	0.55	54	0.32	0.55	59	0.35	0.55	64	0.39	0.55	69	0.43	0.55
75	22	0.11	0.55	27	0.13	0.55	32	0.15	0.55	37	0.17	0.55	40	0.18	0.55	47	0.21	0.55	52	0.24	0.55	57	0.27	0.55	62	0.30	0.55	66	0.33	0.55	71	0.37	0.55
50	26	0.08	0.55	31	0.10	0.55	36	0.11	0.55	41	0.13	0.55	44	0.14	0.55	50	0.17	0.55	55	0.19	0.55	60	0.22	0.55	64	0.25	0.55	69	0.28	0.55	73	0.31	0.55
25	30	0.05	0.55	35	0.06	0.55	40	0.08	0.55	44	0.09	0.55	47	0.10	0.55	53	0.13	0.55	58	0.15	0.55	62	0.17	0.55	67	0.19	0.55	71	0.22	0.55	76	0.25	0.55
0	35	0.02	0.55	39	0.03	0.55	43	0.04	0.55	48	0.05	0.55	50	0.06	0.55	57	0.08	0.55	61	0.10	0.55	65	0.12	0.55	70	0.14	0.55	74	0.17	0.55	78	0.19	0.55
25	31	0.06	0.55	35	0.07	0.55	40	0.08	0.55	44	0.09	0.55	47	0.10	0.55	53	0.12	0.55	57	0.14	0.55	61	0.16	0.55	66	0.18	0.55	70	0.20	0.55	74	0.22	0.55
50	27	0.08	0.55	31	0.10	0.55	36	0.11	0.55	40	0.13	0.55	43	0.14	0.55	49	0.17	0.55	54	0.19	0.55	58	0.21	0.55	63	0.23	0.55	67	0.25	0.55	71	0.28	0.55
75	23	0.11	0.55	27	0.13	0.55	32	0.15	0.55	37	0.17	0.55	40	0.18	0.55	46	0.21	0.55	51	0.23	0.55	55	0.26	0.55	60	0.28	0.55	64	0.31	0.55	68	0.34	0.55
100	18	0.14	0.55	23	0.16	0.55	28	0.18	0.55	33	0.21	0.55	36	0.22	0.55	42	0.26	0.55	47	0.28	0.55	52	0.31	0.55	56	0.34	0.55	61	0.36	0.55	65	0.39	0.55
125	13	0.17	0.55	19	0.19	0.55	24	0.22	0.55	29	0.25	0.55	32	0.26	0.55	39	0.30	0.55	44	0.33	0.55	48	0.36	0.55	53	0.39	0.55	58	0.42	0.55	62	0.45	0.55
150	8	0.20	0.55	14	0.23	0.55	20	0.25	0.55	25	0.28	0.55	28	0.30	0.55	35	0.34	0.55	40	0.38	0.55	45	0.41	0.55	49	0.44	0.55	54	0.48	0.55	59	0.51	0.55
175	-	-	-	9	0.26	0.55	15	0.29	0.55	20	0.32	0.55	24	0.34	0.55	31	0.39	0.55	36	0.42	0.55	41	0.46	0.55	46	0.50	0.55	51	0.53	0.75	55	0.57	0.75
200	-	-	-	-	-	-	10	0.32	0.55	16	0.36	0.55	19	0.38	0.55	27	0.43	0.55	32	0.47	0.55	37	0.51	0.55	42	0.55	0.75	47	0.59	0.75	52	0.63	0.75
225	-	-	-	-	-	-	-	-	-	11	0.40	0.55	15	0.42	0.55	22	0.48	0.55	28	0.52	0.55	33	0.56	0.75	38	0.60	0.75	43	0.65	0.75	48	0.69	0.75
250	-	-	-	-	-	-	-	-	-	6	0.44	0.55	10	0.46	0.55	18	0.52	0.55	24	0.57	0.75	29	0.61	0.75	34	0.66	0.75	40	0.70	0.75	45	0.75	1.10
275	-	-	-	-	-	-	-	-	-	-	-	-	5	0.50	0.55	13	0.57	0.75	19	0.61	0.75	25	0.66	0.75	30	0.71	0.75	36	0.76	1.10	41	0.81	1.10

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*		
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n
	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]
COMPRESSION	400	-	-	-	-	-	-	-	-	-	-	-	6	0.91	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	375	-	-	-	-	-	-	-	-	-	-	-	9	0.87	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	7	0.77	1.10	11	0.83	1.10	21	0.99	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	10	0.73	1.10	14	0.79	0.75	24	0.94	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	13	0.70	1.10	17	0.75	0.75	27	0.90	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	9	0.57	1.10	16	0.66	1.10	20	0.71	0.75	30	0.86	1.10	36	0.97	1.10	-	-	-	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	12	0.54	1.10	19	0.62	1.10	23	0.67	0.75	32	0.81	1.10	39	0.92	1.10	-	-	-	-	-	-	-	-	-	-	-	-
	225	-	-	8	0.43	1.10	15	0.50	0.75	22	0.58	0.75	26	0.63	0.75	36	0.77	1.10	42	0.88	1.10	48	1.00	1.10	-	-	-	-	-	-	-	-	-
	200	-	-	12	0.40	0.75	19	0.47	0.75	25	0.54	0.75	29	0.60	0.75	39	0.73	1.10	45	0.83	1.10	51	0.95	1.10	-	-	-	-	-	-	-	-	-
	175	8	0.31	0.75	15	0.37	0.75	22	0.43	0.75	29	0.51	0.75	33	0.56	0.75	42	0.68	1.10	48	0.79	1.10	54	0.90	1.10	-	-	-	-	-	-	-	-
	150	12	0.28	0.75	19	0.33	0.75	26	0.40	0.75	32	0.47	0.75	36	0.52	0.75	45	0.64	0.75	51	0.74	1.10	57	0.85	1.10	63	0.97	1.10	-	-	-	-	-
	125	16	0.25	0.75	23	0.30	0.75	30	0.36	0.75	36	0.43	0.75	40	0.48	0.75	48	0.60	0.75	54	0.69	1.10	60	0.80	1.10	66	0.92	1.10	-	-	-	-	-
	100	21	0.22	0.75	27	0.27	0.75	34	0.33	0.75	40	0.39	0.75	43	0.44	0.75	52	0.55	0.75	58	0.65	0.75	63	0.75	1.10	69	0.87	1.10	75	0.99	1.10	-	-
	75	25	0.19	0.75	32	0.24	0.75	38	0.29	0.75	44	0.36	0.75	47	0.40	0.75	55	0.51	0.75	61	0.60	0.75	66	0.70	1.10	72	0.81	1.10	77	0.94	1.10	-	-
	50	30	0.16	0.75	36	0.21	0.75	42	0.26	0.75	48	0.32	0.75	51	0.36	0.75	59	0.47	0.75	64	0.55	0.75	70	0.65	0.75	75	0.76	1.10	80	0.88	1.10	-	-
	25	35	0.13	0.75	41	0.18	0.75	46	0.22	0.75	52	0.28	0.75	55	0.32	0.75	62	0.42	0.75	68	0.51	0.75	73	0.60	0.75	78	0.71	1.10	83	0.83	1.10	-	-
	0	41	0.10	0.75	46	0.14	0.75	51	0.19	0.75	56	0.24	0.75	59	0.28	0.75	66	0.38	0.75	71	0.46	0.75	76	0.55	0.75	81	0.66	0.75	86	0.77	1.10	-	-
SUCTION	25	36	0.16	0.75	41	0.20	0.75	47	0.25	0.75	52	0.30	0.75	55	0.33	0.75	62	0.42	0.75	68	0.48	0.75	73	0.56	0.75	78	0.63	0.75	83	0.72	1.10	-	-
	50	31	0.18	0.75	36	0.23	0.75	42	0.28	0.75	47	0.33	0.75	50	0.37	0.75	58	0.46	0.75	63	0.53	0.75	68	0.60	0.75	74	0.68	1.10	79	0.77	1.10	-	-
	75	26	0.21	0.75	32	0.26	0.75	37	0.31	0.75	43	0.37	0.75	46	0.40	0.75	53	0.50	0.75	59	0.57	0.75	64	0.65	0.75	69	0.73	1.10	75	0.82	1.10	-	-
	100	21	0.24	0.75	27	0.28	0.75	33	0.34	0.75	38	0.40	0.75	41	0.44	0.75	49	0.53	0.75	54	0.61	0.75	60	0.69	1.10	65	0.78	1.10	71	0.87	1.10	-	-
	125	17	0.26	0.75	22	0.31	0.75	28	0.37	0.75	34	0.43	0.75	37	0.47	0.75	45	0.57	0.75	50	0.65	0.75	56	0.74	1.10	61	0.83	1.10	66	0.92	1.10	-	-
	150	12	0.29	0.75	18	0.34	0.75	24	0.40	0.75	29	0.47	0.75	33	0.51	0.75	40	0.61	0.75	46	0.70	1.10	51	0.78	1.10	57	0.88	1.10	62	0.97	1.10	-	-
	175	-	-	-	14	0.37	0.75	19	0.43	0.75	25	0.50	0.75	28	0.55	0.75	36	0.65	0.75	42	0.74	1.10	47	0.83	1.10	53	0.92	1.10	-	-	-	-	-
	200	-	-	-	9	0.40	0.75	15	0.47	0.75	21	0.54	0.75	24	0.58	0.75	32	0.69	1.10	38	0.78	1.10	43	0.87	1.10	49	0.97	1.10	-	-	-	-	-
	225	-	-	-	-	-	-	11	0.50	0.75	17	0.57	0.75	20	0.62	0.75	28	0.73	1.10	34	0.82	1.10	39	0.92	1.10	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	-	13	0.61	0.75	16	0.65	0.75	24	0.77	1.10	30	0.87	1.10	35	0.96	1.10	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	-	-	-	-	9	0.64	1.10	12	0.69	0.75	20	0.81	1.10	26	0.91	1.10	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	-	8	0.73	0.75	16	0.85	1.10	22	0.95	1.10	-	-	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
*Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	425	-	-	-	-	-	-	-	-	23	1.29	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	-	-	-	-	-	26	1.23	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	375	-	-	-	-	-	-	-	-	29	1.17	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	350	-	-	-	-	-	-	-	-	32	1.12	1.50	-	-	-	-	46	1.30	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-		
	325	-	-	-	-	-	-	-	-	35	1.06	1.10	-	-	-	-	49	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-		
	300	-	-	-	-	-	-	23	0.82	1.50	33	0.93	1.50	39	1.00	1.10	53	1.18	1.50	62	1.31	1.50	-	-	-	-	-	-	-	-	-	-		
	275	-	-	-	-	-	-	27	0.77	1.50	37	0.87	1.10	42	0.94	1.10	56	1.11	1.50	66	1.24	1.50	-	-	-	-	-	-	-	-	-	-		
	250	-	-	-	-	-	-	30	0.72	1.10	40	0.82	1.10	46	0.88	1.10	60	1.05	1.50	70	1.18	1.50	79	1.32	1.50	-	-	-	-	-	-	-		
	225	-	-	-	-	-	-	34	0.66	1.10	44	0.76	1.10	50	0.82	1.10	64	0.98	1.10	73	1.11	1.50	83	1.24	1.50	-	-	-	-	-	-	-		
	200	-	-	-	28	0.58	1.10	38	0.61	1.10	48	0.71	1.10	54	0.77	1.10	67	0.92	1.10	77	1.04	1.50	86	1.17	1.50	95	1.31	1.50	-	-	-	-	-	
	175	-	-	-	33	0.48	1.10	43	0.56	1.10	52	0.65	1.10	58	0.71	1.10	71	0.85	1.10	81	0.97	1.10	90	1.10	1.50	99	1.24	1.50	-	-	-	-	-	
	150	28	0.37	1.10	37	0.43	1.10	47	0.51	1.10	57	0.59	1.10	62	0.65	1.10	75	0.79	1.10	85	0.90	1.10	94	1.03	1.50	103	1.16	1.50	111	1.31	1.50	-	-	-
	125	32	0.32	1.10	42	0.39	1.10	52	0.46	1.10	61	0.54	1.10	67	0.59	1.10	80	0.73	1.10	89	0.83	1.10	97	0.95	1.10	106	1.08	1.50	115	1.23	1.50	-	-	-
	100	38	0.28	1.10	47	0.34	1.10	57	0.41	1.10	66	0.48	1.10	71	0.53	1.10	84	0.66	1.10	93	0.77	1.10	101	0.88	1.10	110	1.01	1.50	118	1.15	1.50	127	1.30	1.50
SUCTION	75	43	0.24	1.10	53	0.29	1.10	62	0.36	1.10	71	0.43	1.10	76	0.47	1.10	88	0.60	1.10	97	0.70	1.10	105	0.81	1.10	114	0.93	1.10	122	1.07	1.50	130	1.21	1.50
	50	50	0.20	1.10	58	0.25	1.10	67	0.30	1.10	76	0.37	1.10	81	0.42	1.10	93	0.53	1.10	101	0.63	1.10	109	0.74	1.10	118	0.85	1.10	126	0.98	1.10	134	1.13	1.50
	25	56	0.15	1.10	64	0.20	1.10	73	0.25	1.10	81	0.32	1.10	86	0.36	1.10	97	0.47	1.10	105	0.56	1.10	113	0.66	1.10	121	0.78	1.10	129	0.90	1.10	137	1.04	1.50
	0	63	0.11	1.10	71	0.15	1.10	78	0.20	1.10	86	0.26	1.10	91	0.30	1.10	102	0.40	1.10	110	0.49	1.10	118	0.59	1.10	125	0.70	1.10	133	0.82	1.10	141	0.96	1.10
	25	57	0.19	1.10	65	0.24	1.10	73	0.29	1.10	81	0.35	1.10	86	0.39	1.10	97	0.49	1.10	105	0.56	1.10	113	0.65	1.10	121	0.74	1.10	129	0.83	1.10	137	0.94	1.10
	50	51	0.23	1.10	59	0.28	1.10	67	0.33	1.10	76	0.40	1.10	80	0.44	1.10	92	0.54	1.10	100	0.62	1.10	108	0.71	1.10	116	0.81	1.10	124	0.91	1.10	132	1.02	1.50
	75	45	0.26	1.10	53	0.32	1.10	62	0.38	1.10	70	0.45	1.10	75	0.49	1.10	86	0.60	1.10	95	0.69	1.10	103	0.78	1.10	111	0.88	1.10	119	0.98	1.10	127	1.09	1.50
	100	39	0.30	1.10	48	0.36	1.10	56	0.43	1.10	65	0.50	1.10	70	0.54	1.10	81	0.66	1.10	89	0.75	1.10	98	0.84	1.10	106	0.95	1.10	114	1.06	1.50	122	1.17	1.50
	125	34	0.34	1.10	42	0.40	1.10	51	0.47	1.10	59	0.55	1.10	64	0.60	1.10	76	0.72	1.10	84	0.81	1.10	93	0.91	1.10	101	1.02	1.50	109	1.13	1.50	117	1.25	1.50
	150	28	0.37	1.10	37	0.44	1.10	45	0.52	1.10	54	0.60	1.10	59	0.65	1.10	71	0.77	1.10	79	0.87	1.10	88	0.98	1.10	96	1.09	1.50	104	1.20	1.50	112	1.33	1.50
	175	22	0.41	1.10	31	0.48	1.10	40	0.56	1.10	49	0.65	1.10	54	0.70	1.10	66	0.83	1.10	74	0.93	1.10	83	1.04	1.50	91	1.16	1.50	99	1.28	1.50	-	-	-
	200	-	-	-	26	0.53	1.10	35	0.61	1.10	43	0.70	1.10	49	0.75	1.10	61	0.89	1.10	69	1.00	1.10	78	1.11	1.50	86	1.23	1.50	94	1.35	1.50	-	-	-
	225	-	-	-	20	0.57	1.10	29	0.65	1.10	38	0.75	1.10	43	0.80	1.10	56	0.95	1.10	64	1.06	1.50	73	1.17	1.50	81	1.30	1.50	-	-	-	-	-	-
	250	-	-	-	-	-	-	24	0.70	1.10	33	0.80	1.10	38	0.86	1.10	51	1.01	1.50	59	1.12	1.50	68	1.24	1.50	-	-	-	-	-	-	-	-	-
275	-	-	-	-	-	-	19	0.75	1.50	28	0.85	1.10	33	0.91	1.10	46	1.06	1.50	54	1.18	1.50	63	1.30	1.50	-	-	-	-	-	-	-	-	-	
300	-	-	-	-	-	-	-	-	-	23	0.90	1.10	28	0.96	1.10	41	1.12	1.50	49	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-	-	
325	-	-	-	-	-	-	-	-	-	-	-	-	23	1.01	1.50	36	1.18	1.50	44	1.30	1.50	-	-	-	-	-	-	-	-	-	-	-	-	
350	-	-	-	-	-	-	-	-	-	-	-	-	18	1.06	1.50	31	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
*Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	
	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	
COMPRESSION	500	-	-	-	-	-	-	-	-	34	2.04	3.00	52	2.38	3.00	66	2.65	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	450	-	-	-	-	-	-	-	-	41	1.89	3.00	59	2.22	3.00	72	2.47	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	400	-	-	-	-	-	-	-	-	40	1.62	2.20	66	2.05	3.00	79	2.30	3.00	91	2.56	3.00	-	-	-	-	-	-	-	-	-	-	-	-	
	350	-	-	-	-	-	34	1.29	2.20	47	1.47	2.20	73	1.89	2.20	86	2.12	3.00	98	2.38	3.00	110	2.65	3.00	-	-	-	-	-	-	-	-	-	
	300	-	-	-	-	-	42	1.16	2.20	55	1.33	2.20	63	1.44	2.20	81	1.72	2.20	93	1.95	2.20	105	2.19	3.00	117	2.45	3.00	-	-	-	-	-	-	
	250	-	-	-	38	0.88	2.20	51	1.03	2.20	64	1.19	2.20	71	1.29	2.20	88	1.56	2.20	100	1.77	2.20	112	2.00	3.00	124	2.26	3.00	135	2.53	3.00	-	-	-
	200	34	0.64	2.20	47	0.76	2.20	60	0.89	2.20	72	1.04	2.20	79	1.14	2.20	96	1.39	2.20	108	1.60	2.20	119	1.82	2.20	130	2.06	3.00	142	2.32	3.00	153	2.61	3.00
	150	44	0.53	2.20	57	0.64	2.20	69	0.76	2.20	81	0.90	2.20	88	0.99	2.20	104	1.23	2.20	115	1.42	2.20	126	1.63	2.20	137	1.86	2.20	148	2.12	3.00	159	2.39	3.00
	100	55	0.42	2.20	67	0.52	2.20	79	0.63	2.20	90	0.76	2.20	97	0.84	2.20	112	1.06	2.20	123	1.24	2.20	134	1.44	2.20	144	1.67	2.20	155	1.91	2.20	165	2.17	3.00
	50	67	0.31	2.20	78	0.40	2.20	89	0.50	2.20	99	0.61	2.20	106	0.69	2.20	120	0.90	2.20	131	1.07	2.20	141	1.26	2.20	152	1.47	2.20	162	1.70	2.20	172	1.96	2.20
SUCTION	0	79	0.20	2.20	89	0.28	2.20	99	0.37	2.20	109	0.47	2.20	115	0.54	2.20	129	0.73	2.20	139	0.89	2.20	149	1.07	2.20	159	1.27	2.20	169	1.49	2.20	179	1.74	2.20
	50	69	0.35	2.20	80	0.43	2.20	90	0.52	2.20	100	0.62	2.20	107	0.69	2.20	121	0.86	2.20	131	1.00	2.20	141	1.14	2.20	152	1.30	2.20	162	1.46	2.20	172	1.64	2.20
	100	57	0.44	2.20	68	0.53	2.20	79	0.63	2.20	90	0.75	2.20	96	0.82	2.20	111	1.00	2.20	121	1.15	2.20	132	1.30	2.20	142	1.47	2.20	153	1.64	2.20	163	1.83	2.20
	150	45	0.53	2.20	56	0.63	2.20	68	0.75	2.20	79	0.87	2.20	85	0.95	2.20	100	1.15	2.20	111	1.30	2.20	122	1.47	2.20	132	1.64	2.20	143	1.83	2.20	154	2.02	3.00
	200	-	-	-	44	0.74	2.20	56	0.86	2.20	67	0.99	2.20	74	1.08	2.20	90	1.29	2.20	101	1.46	2.20	112	1.63	2.20	123	1.81	2.20	133	2.01	3.00	144	2.21	3.00
	250	-	-	-	-	-	-	43	0.97	2.20	55	1.12	2.20	62	1.21	2.20	79	1.43	2.20	90	1.61	2.20	101	1.79	2.20	112	1.99	2.20	123	2.19	3.00	134	2.41	3.00
	300	-	-	-	-	-	-	-	-	-	43	1.24	2.20	50	1.34	2.20	67	1.58	2.20	79	1.76	2.20	91	1.95	2.20	102	2.16	3.00	113	2.37	3.00	124	2.60	3.00
	350	-	-	-	-	-	-	-	-	-	-	-	-	38	1.47	2.20	56	1.72	2.20	68	1.91	2.20	80	2.12	3.00	91	2.33	3.00	103	2.56	3.00	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
*Only for GOR / GVR execution



Version: RPM

SIDE CHANNEL BLOWER
SERIES **e** MODEL **07**
TYPE **MD** EXECUTION **MOR - GOR - GVR**
Rev.22-01 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n				
	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	80	3.93	5.50	112	4.53	5.50	135	4.98	5.50	-	-	-	-	-	-	-	-	-	-	-		
	600	-	-	-	-	-	-	-	-	-	-	-	88	3.69	5.50	120	4.26	5.50	143	4.70	5.50	165	5.16	5.50	-	-	-	-	-	-	-	-		
	550	-	-	-	-	-	-	-	-	82	3.23	4.00	96	3.45	4.00	128	3.99	5.50	151	4.41	5.50	173	4.86	5.50	-	-	-	-	-	-	-	-		
	500	-	-	-	-	-	68	2.67	4.00	91	3.00	4.00	105	3.20	4.00	137	3.72	4.00	159	4.13	5.50	181	4.55	5.50	203	5.01	5.50	-	-	-	-	-		
	450	-	-	-	-	-	77	2.45	4.00	100	2.76	4.00	114	2.96	3.00	146	3.46	4.00	168	3.84	5.50	189	4.25	5.50	211	4.69	5.50	232	5.16	5.50	-	-	-	
	400	-	-	-	64	1.96	4.00	87	2.24	4.00	110	2.53	3.00	124	2.72	3.00	155	3.19	4.00	176	3.56	4.00	198	3.95	5.50	219	4.37	5.50	240	4.82	5.50	-	-	-
	350	51	1.53	4.00	74	1.77	4.00	97	2.02	3.00	120	2.30	3.00	133	2.48	3.00	164	2.92	4.00	185	3.27	4.00	206	3.65	4.00	227	4.05	5.50	248	4.49	5.50	268	4.95	5.50
	300	62	1.35	3.00	85	1.57	3.00	108	1.81	3.00	130	2.07	3.00	143	2.23	3.00	173	2.65	3.00	194	2.99	4.00	215	3.34	4.00	236	3.73	4.00	256	4.15	5.50	276	4.60	5.50
	250	74	1.18	3.00	97	1.37	3.00	119	1.59	3.00	141	1.83	3.00	153	1.99	3.00	183	2.39	3.00	204	2.70	3.00	224	3.04	4.00	244	3.41	4.00	264	3.81	5.50	284	4.25	5.50
	200	86	1.00	3.00	109	1.18	3.00	130	1.38	3.00	151	1.60	3.00	164	1.75	3.00	193	2.12	3.00	213	2.41	3.00	233	2.74	3.00	253	3.09	4.00	272	3.48	4.00	292	3.89	5.50
	150	100	0.82	3.00	121	0.98	3.00	142	1.17	3.00	163	1.37	3.00	175	1.50	3.00	203	1.85	3.00	223	2.13	3.00	242	2.44	3.00	261	2.77	3.00	281	3.14	4.00	300	3.54	4.00
	100	114	0.64	3.00	134	0.79	3.00	154	0.95	3.00	174	1.14	3.00	186	1.26	3.00	213	1.58	3.00	232	1.84	3.00	251	2.13	3.00	270	2.45	3.00	289	2.80	3.00	308	3.19	4.00
	50	129	0.47	3.00	148	0.59	3.00	167	0.74	3.00	186	0.90	3.00	197	1.02	3.00	224	1.31	3.00	242	1.56	3.00	261	1.83	3.00	279	2.13	3.00	298	2.47	3.00	316	2.83	3.00
	0	144	0.29	3.00	162	0.39	3.00	180	0.52	3.00	198	0.67	3.00	209	0.77	3.00	234	1.05	3.00	252	1.27	3.00	270	1.53	3.00	288	1.81	3.00	306	2.13	3.00	324	2.48	3.00
SUCTION	50	130	0.59	3.00	149	0.73	3.00	167	0.89	3.00	186	1.07	3.00	197	1.18	3.00	222	1.47	3.00	241	1.69	3.00	259	1.94	3.00	277	2.20	3.00	295	2.48	3.00	314	2.78	3.00
	100	115	0.75	3.00	134	0.91	3.00	153	1.09	3.00	172	1.28	3.00	183	1.41	3.00	209	1.72	3.00	228	1.96	3.00	246	2.23	3.00	265	2.51	3.00	283	2.80	3.00	302	3.12	4.00
	150	98	0.92	3.00	118	1.09	3.00	138	1.29	3.00	157	1.50	3.00	169	1.63	3.00	196	1.97	3.00	215	2.23	3.00	233	2.51	3.00	252	2.81	3.00	271	3.13	4.00	290	3.46	4.00
	200	80	1.08	3.00	101	1.27	3.00	122	1.49	3.00	142	1.71	3.00	154	1.86	3.00	181	2.22	3.00	201	2.50	3.00	220	2.80	3.00	239	3.11	4.00	258	3.45	4.00	277	3.80	4.00
	250	-	-	-	83	1.45	3.00	105	1.69	3.00	126	1.93	3.00	138	2.09	3.00	167	2.47	3.00	186	2.77	3.00	206	3.08	4.00	226	3.42	4.00	245	3.77	4.00	264	4.13	5.50
	300	-	-	-	-	-	-	87	1.88	3.00	109	2.15	3.00	122	2.31	3.00	151	2.73	3.00	172	3.04	4.00	192	3.37	4.00	212	3.72	4.00	232	4.09	5.50	251	4.47	5.50
	350	-	-	-	-	-	-	-	-	-	91	2.36	3.00	105	2.54	3.00	135	2.98	4.00	156	3.31	4.00	177	3.66	4.00	197	4.02	5.50	218	4.41	5.50	238	4.81	5.50
	400	-	-	-	-	-	-	-	-	-	73	2.58	4.00	87	2.77	3.00	119	3.23	4.00	140	3.58	4.00	162	3.94	5.50	183	4.33	5.50	203	4.73	5.50	224	5.15	5.50
450	-	-	-	-	-	-	-	-	-	-	-	-	68	3.00	4.00	101	3.48	4.00	124	3.85	5.50	146	4.23	5.50	167	4.63	5.50	189	5.05	5.50	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	141	6.20	7.50	177	7.18	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	600	-	-	-	-	-	-	-	-	-	-	-	148	5.83	7.50	185	6.78	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	139	5.10	7.50	155	5.46	5.50	192	6.37	7.50	218	7.08	7.50	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	121	4.20	7.50	147	4.75	5.50	163	5.09	5.50	199	5.97	7.50	225	6.65	7.50	251	7.38	7.50	-	-	-	-	-	-	-			
	450	-	-	-	-	-	129	3.87	5.50	155	4.40	5.50	171	4.73	5.50	207	5.57	7.50	233	6.22	7.50	258	6.93	7.50	-	-	-	-	-	-	-			
	400	-	-	-	111	3.09	5.50	137	3.55	5.50	164	4.04	5.50	179	4.36	5.50	215	5.16	5.50	240	5.79	7.50	265	6.47	7.50	290	7.20	7.50	-	-	-	-		
	350	94	2.41	5.50	120	2.80	5.50	146	3.23	5.50	172	3.69	5.50	188	3.99	4.00	223	4.76	5.50	248	5.36	5.50	273	6.01	7.50	298	6.72	7.50	322	7.48	7.50	-	-	
	300	103	2.14	5.50	130	2.50	5.50	156	2.90	4.00	181	3.34	4.00	197	3.63	4.00	232	4.35	5.50	256	4.93	5.50	281	5.56	7.50	305	6.23	7.50	329	6.97	7.50	-	-	
	250	114	1.87	4.00	140	2.21	4.00	165	2.58	4.00	191	2.99	4.00	206	3.26	4.00	240	3.95	4.00	265	4.50	5.50	289	5.10	5.50	313	5.75	7.50	336	6.46	7.50	360	7.23	7.50
	200	125	1.60	4.00	150	1.91	4.00	176	2.26	4.00	200	2.64	4.00	215	2.89	4.00	249	3.54	4.00	273	4.07	5.50	297	4.64	5.50	320	5.27	5.50	344	5.95	7.50	367	6.70	7.50
	150	136	1.34	4.00	161	1.61	4.00	186	1.93	4.00	210	2.29	4.00	225	2.53	4.00	258	3.14	4.00	281	3.64	4.00	305	4.19	5.50	328	4.79	5.50	351	5.45	5.50	374	6.16	7.50
	100	149	1.07	4.00	173	1.32	4.00	197	1.61	4.00	221	1.94	4.00	235	2.16	4.00	267	2.74	4.00	290	3.21	4.00	313	3.73	4.00	336	4.31	5.50	359	4.94	5.50	381	5.63	7.50
	50	162	0.80	4.00	185	1.02	4.00	208	1.28	4.00	231	1.59	4.00	245	1.79	4.00	277	2.33	4.00	299	2.78	4.00	322	3.27	4.00	344	3.82	4.00	366	4.43	5.50	389	5.10	5.50
	0	176	0.53	4.00	198	0.73	4.00	220	0.96	4.00	242	1.24	4.00	255	1.42	4.00	286	1.93	4.00	308	2.34	4.00	330	2.82	4.00	352	3.34	4.00	374	3.92	4.00	396	4.56	5.50
SUCTION	50	164	0.87	4.00	186	1.07	4.00	208	1.31	4.00	230	1.57	4.00	244	1.73	4.00	275	2.16	4.00	297	2.49	4.00	319	2.86	4.00	341	3.25	4.00	363	3.66	4.00	385	4.11	5.50
	100	151	1.10	4.00	174	1.33	4.00	196	1.59	4.00	219	1.87	4.00	233	2.06	4.00	264	2.52	4.00	286	2.88	4.00	309	3.27	4.00	331	3.68	4.00	353	4.12	5.50	376	4.59	5.50
	150	136	1.33	4.00	160	1.59	4.00	183	1.87	4.00	207	2.18	4.00	221	2.38	4.00	253	2.88	4.00	275	3.26	4.00	298	3.67	4.00	321	4.11	5.50	343	4.58	5.50	366	5.07	5.50
	200	120	1.56	4.00	145	1.85	4.00	169	2.16	4.00	193	2.49	4.00	208	2.70	4.00	241	3.24	4.00	264	3.65	4.00	287	4.08	5.50	310	4.54	5.50	333	5.03	5.50	355	5.55	7.50
	250	-	-	-	129	2.11	4.00	154	2.44	4.00	179	2.80	4.00	194	3.03	4.00	228	3.59	4.00	251	4.03	5.50	275	4.49	5.50	298	4.98	5.50	321	5.49	7.50	344	6.03	7.50
	300	-	-	-	-	-	-	138	2.72	4.00	164	3.11	4.00	179	3.35	4.00	214	3.95	4.00	238	4.41	5.50	262	4.90	5.50	286	5.41	5.50	310	5.95	7.50	333	6.51	7.50
	350	-	-	-	-	-	-	-	-	-	148	3.42	4.00	164	3.68	4.00	200	4.31	5.50	225	4.80	5.50	249	5.31	5.50	274	5.84	7.50	298	6.40	7.50	321	6.99	7.50
	400	-	-	-	-	-	-	-	-	-	131	3.73	5.50	148	4.00	4.00	185	4.67	5.50	211	5.18	5.50	236	5.71	7.50	261	6.27	7.50	285	6.86	7.50	309	7.47	7.50
450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	4.32	5.50	196	5.56	7.50	222	6.12	7.50	247	6.71	7.50	272	7.32	7.50	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

SIDE CHANNEL BLOWER

SERIES **e** MODEL **09**

TYPE **MD** EXECUTION **MOR - GOR - GVR**

Rev.24-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	600	-	-	-	-	-	-	-	-	185	5.80	7.50	202	6.63	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	185	5.80	7.50	202	6.19	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	-	-	-	192	5.38	7.50	209	5.75	7.50	252	6.68	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	-	-	-	199	4.96	7.50	217	5.31	7.50	261	6.19	7.50	292	6.88	7.50	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	-	-	149	3.52	7.50	208	4.54	5.50	226	4.87	5.50	270	5.71	7.50	301	6.36	7.50	332	7.06	7.50	-	-	-	-	-	-	-			
	350	129	2.75	7.50	157	3.17	7.50	186	3.63	5.50	217	4.12	5.50	236	4.43	5.50	279	5.23	5.50	311	5.85	7.50	342	6.52	7.50	-	-	-	-	-	-	-		
	300	136	2.43	5.50	166	2.82	5.50	196	3.24	5.50	227	3.70	5.50	246	4.00	5.50	290	4.74	5.50	321	5.33	7.50	352	5.97	7.50	383	6.66	7.50	-	-	-	-		
	250	146	2.11	5.50	176	2.46	5.50	207	2.85	5.50	239	3.28	5.50	257	3.56	5.50	301	4.26	5.50	332	4.82	5.50	362	5.43	7.50	393	6.08	7.50	423	6.79	7.50	-	-	
	200	157	1.79	5.50	188	2.11	5.50	220	2.47	5.50	251	2.86	5.50	269	3.12	5.50	312	3.78	5.50	343	4.31	5.50	373	4.88	5.50	403	5.51	7.50	433	6.19	7.50	463	6.92	7.50
	150	171	1.47	5.50	202	1.76	5.50	233	2.08	5.50	264	2.44	5.50	282	2.68	5.50	324	3.30	5.50	355	3.79	5.50	384	4.33	5.50	414	4.93	5.50	444	5.58	7.50	473	6.28	7.50
	100	187	1.15	5.50	217	1.40	5.50	248	1.69	5.50	278	2.02	5.50	296	2.24	5.50	337	2.81	5.50	367	3.28	5.50	396	3.79	5.50	425	4.35	5.50	454	4.97	5.50	483	5.65	7.50
	50	204	0.83	5.50	234	1.05	5.50	263	1.31	5.50	293	1.61	5.50	310	1.80	5.50	351	2.33	5.50	379	2.76	5.50	408	3.24	5.50	437	3.78	5.50	465	4.37	5.50	494	5.01	5.50
	0	224	0.51	5.50	252	0.70	5.50	280	0.92	5.50	308	1.19	5.50	325	1.37	5.50	365	1.85	5.50	393	2.25	5.50	421	2.70	5.50	449	3.20	5.50	477	3.76	5.50	505	4.37	5.50
SUCTION	50	206	0.92	5.50	235	1.14	5.50	264	1.38	5.50	293	1.64	5.50	311	1.81	5.50	351	2.25	5.50	380	2.60	5.50	409	2.97	5.50	437	3.36	5.50	466	3.79	5.50	495	4.24	5.50
	100	186	1.20	5.50	215	1.45	5.50	245	1.72	5.50	274	2.02	5.50	291	2.21	5.50	332	2.69	5.50	361	3.06	5.50	390	3.46	5.50	419	3.89	5.50	448	4.34	5.50	477	4.82	5.50
	150	167	1.48	5.50	196	1.76	5.50	226	2.06	5.50	255	2.39	5.50	273	2.60	5.50	314	3.12	5.50	343	3.52	5.50	372	3.95	5.50	402	4.41	5.50	431	4.89	5.50	460	5.40	7.50
	200	149	1.76	5.50	178	2.07	5.50	208	2.40	5.50	237	2.76	5.50	255	2.99	5.50	296	3.55	5.50	326	3.99	5.50	355	4.45	5.50	384	4.93	5.50	414	5.45	7.50	443	5.99	7.50
	250	-	-	-	161	2.38	5.50	191	2.75	5.50	220	3.14	5.50	238	3.38	5.50	279	3.99	5.50	309	4.45	5.50	338	4.94	5.50	368	5.46	7.50	397	6.00	7.50	426	6.57	7.50
	300	-	-	-	-	-	174	3.09	5.50	204	3.51	5.50	221	3.77	5.50	263	4.42	5.50	292	4.92	5.50	322	5.43	7.50	351	5.98	7.50	381	6.55	7.50	-	-	-	
	350	-	-	-	-	-	-	-	-	188	3.88	5.50	206	4.16	5.50	247	4.86	5.50	276	5.38	7.50	306	5.93	7.50	335	6.50	7.50	365	7.10	7.50	-	-	-	
	400	-	-	-	-	-	-	-	-	-	-	-	191	4.56	5.50	232	5.29	7.50	261	5.84	7.50	290	6.42	7.50	320	7.03	7.50	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	235	8.69	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	600	-	-	-	-	-	-	-	-	-	-	-	243	8.15	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	229	7.13	9.20	251	7.62	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	-	202	5.89	9.20	238	6.62	9.20	260	7.08	7.50	314	8.22	9.20	-	-	-	-	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	-	211	5.41	9.20	248	6.10	7.50	271	6.54	7.50	324	7.63	9.20	362	8.48	9.20	-	-	-	-	-	-	-	-	-			
	400	-	-	-	184	4.34	9.20	221	4.94	7.50	259	5.59	7.50	281	6.00	7.50	335	7.04	7.50	373	7.85	9.20	411	8.71	9.20	-	-	-	-	-	-			
	350	159	3.38	7.50	195	3.90	7.50	232	4.47	7.50	270	5.07	7.50	293	5.46	7.50	346	6.45	7.50	384	7.22	9.20	422	8.04	9.20	-	-	-	-	-	-			
	300	169	2.99	7.50	206	3.47	7.50	244	3.99	7.50	282	4.56	7.50	305	4.93	7.50	358	5.85	7.50	396	6.58	7.50	433	7.37	9.20	471	8.23	9.20	-	-	-			
	250	181	2.60	7.50	219	3.03	7.50	257	3.52	7.50	295	4.05	7.50	318	4.39	7.50	371	5.26	7.50	408	5.95	7.50	445	6.71	7.50	482	7.52	9.20	519	8.40	9.20	-		
	200	196	2.20	7.50	234	2.60	7.50	272	3.04	7.50	310	3.53	7.50	332	3.85	7.50	384	4.67	7.50	421	5.32	7.50	457	6.04	7.50	494	6.81	7.50	530	7.66	9.20	566	8.57	9.20
SUCTION	150	212	1.81	7.50	250	2.17	7.50	287	2.57	7.50	324	3.02	7.50	347	3.31	7.50	398	4.08	7.50	434	4.69	7.50	470	5.37	7.50	506	6.11	7.50	542	6.91	7.50	577	7.79	9.20
	100	230	1.42	7.50	267	1.73	7.50	304	2.10	7.50	340	2.50	7.50	362	2.78	7.50	412	3.48	7.50	448	4.06	7.50	483	4.70	7.50	518	5.40	7.50	554	6.17	7.50	589	7.01	7.50
	50	250	1.03	7.50	286	1.30	7.50	321	1.62	7.50	357	1.99	7.50	378	2.24	7.50	427	2.89	7.50	462	3.43	7.50	496	4.03	7.50	531	4.69	7.50	566	5.43	7.50	600	6.23	7.50
	0	272	0.64	7.50	306	0.87	7.50	340	1.15	7.50	374	1.48	7.50	395	1.70	7.50	442	2.30	7.50	476	2.80	7.50	510	3.36	7.50	544	3.99	7.50	578	4.68	7.50	612	5.45	7.50
	50	253	1.15	7.50	288	1.42	7.50	322	1.73	7.50	357	2.06	7.50	378	2.28	7.50	426	2.83	7.50	460	3.27	7.50	495	3.73	7.50	529	4.24	7.50	563	4.77	7.50	598	5.34	7.50
	100	231	1.50	7.50	267	1.81	7.50	302	2.15	7.50	338	2.52	7.50	359	2.76	7.50	408	3.36	7.50	443	3.83	7.50	477	4.34	7.50	512	4.87	7.50	547	5.45	7.50	581	6.05	7.50
	150	208	1.84	7.50	245	2.19	7.50	282	2.57	7.50	318	2.98	7.50	339	3.24	7.50	389	3.89	7.50	424	4.40	7.50	459	4.94	7.50	495	5.51	7.50	530	6.12	7.50	565	6.77	7.50
	200	184	2.18	7.50	222	2.57	7.50	259	2.98	7.50	296	3.43	7.50	318	3.72	7.50	369	4.42	7.50	405	4.97	7.50	441	5.54	7.50	477	6.15	7.50	512	6.80	7.50	547	7.48	9.20
	250	-	-	-	197	2.95	7.50	236	3.40	7.50	274	3.89	7.50	297	4.19	7.50	349	4.95	7.50	386	5.53	7.50	422	6.15	7.50	458	6.79	7.50	494	7.47	9.20	530	8.19	9.20
	300	-	-	-	-	-	-	212	3.82	7.50	251	4.34	7.50	275	4.67	7.50	328	5.48	7.50	365	6.10	7.50	402	6.75	7.50	439	7.43	9.20	475	8.15	9.20	-	-	-
350	-	-	-	-	-	-	-	-	-	227	4.80	7.50	251	5.15	7.50	306	6.01	7.50	344	6.67	7.50	382	7.35	9.20	419	8.07	9.20	-	-	-	-	-	-	
400	-	-	-	-	-	-	-	-	-	-	-	-	227	5.63	7.50	283	6.54	7.50	322	7.23	9.20	361	7.96	9.20	399	8.71	9.20	-	-	-	-	-	-	

Tolerance on indicated values $\pm 10\%$.
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Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*				
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]					
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	263	10.52	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	600	-	-	-	-	-	-	-	-	-	-	-	275	9.88	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	550	-	-	-	-	-	-	-	-	260	8.64	11.00	288	9.24	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	500	-	-	-	-	-	226	7.13	11.00	273	8.03	11.00	301	8.59	9.20	367	10.01	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-				
	450	-	-	-	-	-	240	6.56	11.00	287	7.41	9.20	315	7.95	9.20	380	9.31	11.00	425	10.36	11.00	-	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	208	5.25	9.20	255	5.99	9.20	301	6.80	9.20	329	7.31	9.20	393	8.60	9.20	439	9.61	11.00	-	-	-	-	-	-	-	-	-	-			
	350	176	4.09	9.20	223	4.73	9.20	270	5.43	9.20	316	6.18	7.50	344	6.67	7.50	407	7.89	9.20	452	8.85	11.00	496	9.89	11.00	-	-	-	-	-	-	-			
	300	192	3.62	9.20	239	4.21	7.50	286	4.86	7.50	332	5.57	7.50	359	6.03	7.50	421	7.18	9.20	465	8.10	9.20	509	9.09	11.00	552	10.16	11.00	-	-	-	-	-		
	250	210	3.15	7.50	257	3.70	7.50	302	4.30	7.50	348	4.96	7.50	374	5.38	7.50	436	6.48	7.50	479	7.35	9.20	522	8.29	9.20	565	9.32	11.00	607	10.43	11.00	-	-	-	-
	200	229	2.68	7.50	275	3.18	7.50	320	3.73	7.50	364	4.34	7.50	390	4.74	7.50	451	5.77	7.50	493	6.59	7.50	536	7.49	9.20	578	8.47	9.20	620	9.54	11.00	-	-	-	-
SUCTION	150	249	2.22	7.50	294	2.66	7.50	337	3.17	7.50	381	3.73	7.50	406	4.10	7.50	466	5.06	7.50	508	5.84	7.50	550	6.69	7.50	591	7.63	9.20	632	8.65	9.20	674	9.76	11.00	
	100	270	1.75	7.50	313	2.14	7.50	356	2.60	7.50	398	3.12	7.50	423	3.46	7.50	481	4.36	7.50	523	5.09	7.50	564	5.89	7.50	604	6.79	7.50	645	7.76	9.20	686	8.83	11.00	
	50	292	1.28	7.50	334	1.63	7.50	375	2.03	7.50	416	2.50	7.50	440	2.82	7.50	497	3.65	7.50	537	4.33	7.50	578	5.10	7.50	618	5.94	7.50	658	6.87	7.50	698	7.90	9.20	
	0	316	0.81	7.50	355	1.11	7.50	395	1.47	7.50	434	1.89	7.50	458	2.17	7.50	513	2.94	7.50	553	3.58	7.50	592	4.30	7.50	632	5.10	7.50	671	5.99	7.50	711	6.97	7.50	
	50	298	1.39	7.50	338	1.72	7.50	379	2.09	7.50	419	2.50	7.50	443	2.76	7.50	499	3.43	7.50	538	3.96	7.50	578	4.53	7.50	618	5.14	7.50	658	5.79	7.50	698	6.49	7.50	
	100	277	1.79	7.50	318	2.17	7.50	359	2.58	7.50	400	3.03	7.50	425	3.32	7.50	482	4.05	7.50	522	4.62	7.50	562	5.23	7.50	603	5.89	7.50	643	6.58	7.50	683	7.32	9.20	
	150	252	2.19	7.50	295	2.61	7.50	338	3.07	7.50	380	3.56	7.50	405	3.88	7.50	463	4.67	7.50	504	5.28	7.50	545	5.94	7.50	586	6.63	7.50	626	7.37	9.20	667	8.15	9.20	
	200	223	2.59	7.50	269	3.06	7.50	314	3.56	7.50	357	4.10	7.50	383	4.44	7.50	443	5.29	7.50	485	5.95	7.50	526	6.64	7.50	568	7.38	9.20	609	8.16	9.20	650	8.98	11.00	
	250	-	-	-	240	3.50	7.50	287	4.05	7.50	332	4.63	7.50	359	5.00	7.50	421	5.91	7.50	464	6.61	7.50	506	7.35	9.20	548	8.13	9.20	590	8.95	11.00	632	9.81	11.00	
	300	-	-	-	-	-	-	258	4.54	7.50	305	5.16	7.50	333	5.56	7.50	397	6.53	7.50	441	7.27	9.20	485	8.06	9.20	528	8.88	11.00	571	9.74	11.00	-	-	-	-
350	-	-	-	-	-	-	-	-	-	276	5.70	7.50	306	6.12	7.50	371	7.15	9.20	417	7.94	9.20	462	8.76	9.20	506	9.63	11.00	-	-	-	-	-	-		
400	-	-	-	-	-	-	-	-	-	-	-	-	276	6.68	7.50	344	7.77	9.20	392	8.60	9.20	438	9.47	11.00	483	10.37	11.00	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
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* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	274	11.62	15.00	354	13.46	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	600	-	-	-	-	-	-	-	-	-	-	-	291	10.93	15.00	370	12.69	15.00	425	14.06	15.00	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	274	9.56	15.00	308	10.23	11.00	386	11.93	15.00	440	13.24	15.00	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	-	-	-	292	8.89	11.00	326	9.54	11.00	403	11.17	15.00	456	12.43	15.00	509	13.78	15.00	-	-	-	-	-	-	-			
	450	-	-	-	-	-	-	-	-	311	8.23	11.00	344	8.85	11.00	420	10.40	11.00	473	11.61	15.00	525	12.92	15.00	-	-	-	-	-	-	-			
	400	-	-	-	-	218	5.80	11.00	274	6.65	11.00	329	7.57	9.20	362	8.15	9.20	437	9.64	11.00	489	10.80	15.00	541	12.06	15.00	592	13.41	15.00	-	-	-		
	350	182	4.51	11.00	238	5.24	9.20	294	6.04	9.20	348	6.90	9.20	381	7.46	9.20	454	8.87	11.00	506	9.99	11.00	557	11.19	15.00	607	12.49	15.00	657	13.90	15.00	-	-	
	300	204	4.01	9.20	260	4.68	9.20	315	5.43	9.20	368	6.24	9.20	400	6.77	9.20	472	8.11	9.20	523	9.17	11.00	573	10.33	11.00	622	11.58	15.00	672	12.94	15.00	-	-	
	250	228	3.50	9.20	282	4.13	9.20	336	4.82	9.20	388	5.58	9.20	419	6.07	9.20	490	7.35	9.20	540	8.36	9.20	589	9.47	11.00	638	10.67	15.00	687	11.98	15.00	735	13.39	15.00
	200	252	3.00	9.20	305	3.57	9.20	357	4.20	9.20	408	4.92	9.20	439	5.38	9.20	508	6.58	9.20	557	7.55	9.20	606	8.60	9.20	654	9.76	11.00	702	11.02	15.00	749	12.38	15.00
	150	277	2.49	9.20	329	3.01	9.20	379	3.59	9.20	429	4.25	9.20	459	4.69	9.20	527	5.82	9.20	575	6.73	9.20	622	7.74	9.20	670	8.85	11.00	717	10.06	11.00	764	11.38	15.00
	100	304	1.99	9.20	353	2.45	9.20	402	2.98	9.20	450	3.59	9.20	479	3.99	9.20	545	5.05	9.20	593	5.92	9.20	639	6.88	9.20	686	7.94	9.20	732	9.10	11.00	779	10.37	11.00
	50	331	1.48	9.20	378	1.89	9.20	425	2.37	9.20	472	2.93	9.20	500	3.30	9.20	565	4.29	9.20	611	5.11	9.20	656	6.02	9.20	702	7.03	9.20	748	8.14	9.20	794	9.36	11.00
	0	359	0.97	9.20	404	1.33	9.20	449	1.76	9.20	494	2.27	9.20	521	2.61	9.20	584	3.53	9.20	629	4.29	9.20	674	5.15	9.20	719	6.11	9.20	764	7.18	9.20	808	8.35	9.20
SUCTION	50	334	1.60	9.20	380	1.99	9.20	425	2.42	9.20	471	2.90	9.20	498	3.21	9.20	561	4.01	9.20	606	4.63	9.20	652	5.30	9.20	697	6.03	9.20	742	6.80	9.20	787	7.63	9.20
	100	306	2.03	9.20	353	2.46	9.20	400	2.94	9.20	446	3.47	9.20	474	3.80	9.20	539	4.66	9.20	585	5.33	9.20	630	6.05	9.20	676	6.82	9.20	722	7.63	9.20	767	8.50	9.20
	150	273	2.45	9.20	323	2.93	9.20	371	3.46	9.20	419	4.03	9.20	448	4.39	9.20	514	5.31	9.20	561	6.03	9.20	608	6.79	9.20	654	7.60	9.20	700	8.47	9.20	746	9.38	11.00
	200	235	2.87	9.20	288	3.40	9.20	340	3.97	9.20	390	4.59	9.20	419	4.98	9.20	487	5.97	9.20	535	6.73	9.20	583	7.54	9.20	630	8.39	9.20	677	9.30	11.00	724	10.25	11.00
	250	-	-	-	251	3.87	9.20	305	4.49	9.20	357	5.15	9.20	388	5.57	9.20	458	6.62	9.20	508	7.43	9.20	557	8.28	9.20	605	9.18	11.00	653	10.13	11.00	700	11.13	15.00
	300	-	-	-	-	-	-	267	5.01	9.20	322	5.72	9.20	354	6.16	9.20	427	7.28	9.20	478	8.13	9.20	528	9.02	11.00	578	9.97	11.00	627	10.96	15.00	675	12.01	15.00
	350	-	-	-	-	-	-	-	-	284	6.28	9.20	318	6.76	9.20	394	7.93	9.20	447	8.82	11.00	499	9.77	11.00	549	10.76	15.00	599	11.80	15.00	649	12.88	15.00	
	400	-	-	-	-	-	-	-	-	-	-	-	279	7.35	9.20	359	8.58	9.20	414	9.52	11.00	467	10.51	15.00	519	11.54	15.00	571	12.63	15.00	621	13.76	15.00	

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Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	400	-	-	-	-	-	-	-	-	-	-	-	49	2.05	2.20	-	-	-	-	-	-
	375	-	-	-	-	-	-	-	-	-	-	-	55	1.94	2.20	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	50	1.72	2.20	60	1.83	2.20	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	55	1.61	2.20	66	1.71	2.20	89	1.95	2.20	-	-	-
	300	-	-	-	-	-	44	1.36	2.20	61	1.51	2.20	71	1.60	2.20	94	1.83	2.20	-	-	-
	275	-	-	-	-	-	50	1.26	2.20	67	1.40	2.20	77	1.49	2.20	99	1.71	2.20	115	1.87	2.20
	250	-	-	39	1.03	2.20	56	1.16	2.20	73	1.30	2.20	83	1.38	2.20	104	1.59	2.20	119	1.74	2.20
	225	-	-	46	0.94	2.20	63	1.06	2.20	79	1.19	2.20	88	1.27	2.20	110	1.46	2.20	124	1.61	2.20
	200	35	0.75	53	0.85	2.20	69	0.96	2.20	85	1.08	2.20	94	1.16	2.20	115	1.34	2.20	129	1.48	2.20
	175	43	0.67	60	0.76	2.20	75	0.87	2.20	91	0.98	2.20	100	1.04	2.20	120	1.22	2.20	134	1.35	2.20
	150	50	0.59	66	0.67	2.20	82	0.77	2.20	97	0.87	2.20	105	0.93	2.20	125	1.09	2.20	139	1.22	2.20
	125	58	0.51	73	0.58	2.20	88	0.67	2.20	103	0.76	2.20	111	0.82	2.20	130	0.97	2.20	144	1.09	2.20
	100	66	0.42	80	0.49	2.20	95	0.57	2.20	108	0.66	2.20	117	0.71	2.20	135	0.85	2.20	149	0.96	2.20
	75	73	0.34	87	0.40	2.20	101	0.47	2.20	114	0.55	2.20	122	0.60	2.20	141	0.73	2.20	153	0.83	2.20
	50	81	0.26	94	0.31	2.20	107	0.37	2.20	120	0.44	2.20	128	0.49	2.20	146	0.60	2.20	158	0.70	2.20
	25	88	0.18	101	0.22	2.20	114	0.28	2.20	126	0.34	2.20	134	0.38	2.20	151	0.48	2.20	163	0.57	2.20
	0	96	0.10	108	0.13	2.20	120	0.18	2.20	132	0.23	2.20	139	0.26	2.20	156	0.36	2.20	168	0.43	2.20
SUCTION	25	89	0.20	102	0.24	2.20	114	0.29	2.20	126	0.34	2.20	133	0.38	2.20	150	0.46	2.20	162	0.53	2.20
	50	83	0.28	95	0.33	2.20	108	0.39	2.20	120	0.45	2.20	127	0.49	2.20	144	0.58	2.20	157	0.66	2.20
	75	75	0.36	88	0.42	2.20	101	0.48	2.20	113	0.55	2.20	121	0.60	2.20	138	0.71	2.20	151	0.79	2.20
	100	66	0.44	80	0.51	2.20	93	0.58	2.20	106	0.66	2.20	114	0.71	2.20	132	0.83	2.20	145	0.92	2.20
	125	57	0.52	72	0.60	2.20	85	0.68	2.20	99	0.77	2.20	107	0.82	2.20	125	0.96	2.20	138	1.06	2.20
	150	47	0.60	62	0.69	2.20	77	0.78	2.20	91	0.87	2.20	99	0.93	2.20	118	1.08	2.20	131	1.19	2.20
	175	-	-	53	0.77	2.20	68	0.87	2.20	83	0.98	2.20	91	1.04	2.20	111	1.20	2.20	124	1.32	2.20
	200	-	-	-	-	-	58	0.97	2.20	74	1.09	2.20	83	1.16	2.20	103	1.33	2.20	117	1.45	2.20
	225	-	-	-	-	-	-	-	-	64	1.19	2.20	74	1.27	2.20	94	1.45	2.20	109	1.58	2.20
	250	-	-	-	-	-	-	-	-	54	1.30	2.20	64	1.38	2.20	86	1.57	2.20	101	1.72	2.20
	275	-	-	-	-	-	-	-	-	-	-	-	54	1.49	2.20	77	1.70	2.20	92	1.85	2.20

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	450	-	-	-	-	-	-	-	-	-	-	-	101	3.51	4.00	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	98	2.99	4.00	113	3.16	4.00	148	3.56	4.00	-	-	-
	350	-	-	-	-	-	85	2.40	4.00	111	2.65	4.00	126	2.80	3.00	160	3.17	4.00	183	3.45	4.00
	300	-	-	-	1.88	4.00	99	2.09	4.00	124	2.31	3.00	139	2.45	3.00	171	2.79	4.00	194	3.03	4.00
	250	63	1.41	4.00	1.59	3.00	114	1.78	3.00	137	1.98	3.00	151	2.10	3.00	183	2.40	3.00	205	2.62	3.00
	200	80	1.15	3.00	1.31	3.00	104	1.47	3.00	151	1.64	3.00	164	1.75	3.00	194	2.01	3.00	216	2.21	3.00
	150	97	0.90	3.00	1.02	3.00	120	1.16	3.00	164	1.30	3.00	177	1.39	3.00	206	1.62	3.00	226	1.79	3.00
	100	114	0.64	3.00	0.74	3.00	136	0.85	3.00	177	0.96	3.00	189	1.04	3.00	217	1.23	3.00	237	1.38	3.00
	50	131	0.38	3.00	0.45	3.00	151	0.54	3.00	190	0.63	3.00	202	0.69	3.00	229	0.84	3.00	248	0.96	3.00
	0	148	0.12	3.00	0.17	3.00	167	0.23	3.00	204	0.29	3.00	215	0.33	3.00	241	0.45	3.00	259	0.55	3.00
SUCTION	50	133	0.40	3.00	0.47	3.00	152	0.55	3.00	190	0.63	3.00	201	0.69	3.00	228	0.82	3.00	246	0.92	3.00
	100	115	0.66	3.00	0.76	3.00	136	0.86	3.00	176	0.97	3.00	187	1.04	3.00	214	1.21	3.00	234	1.34	3.00
	150	93	0.91	3.00	1.04	3.00	116	1.17	3.00	158	1.31	3.00	171	1.39	3.00	199	1.60	3.00	219	1.75	3.00
	200	66	1.16	3.00	1.32	3.00	92	1.48	3.00	138	1.64	3.00	151	1.75	3.00	181	1.99	3.00	202	2.17	3.00
	250	-	-	-	1.60	3.00	64	1.79	3.00	115	1.98	3.00	130	2.10	3.00	162	2.38	3.00	184	2.59	3.00
	300	-	-	-	-	-	-	2.10	4.00	90	2.32	3.00	105	2.45	3.00	140	2.77	4.00	164	3.01	4.00
	350	-	-	-	-	-	-	-	-	61	2.65	4.00	79	2.80	3.00	116	3.16	4.00	141	3.43	4.00
	400	-	-	-	-	-	-	-	-	-	-	-	49	3.16	4.00	90	3.56	4.00	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
SERIES **K** MODEL **06**
TYPE **TD** EXECUTION **MOR - GOR - GVR**
Rev. 19-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	550	-	-	-	-	-	-	-	-	-	-	-	156	6.28	7.50	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	147	5.46	7.50	170	5.79	7.50	220	6.59	7.50	-	-	-
	450	-	-	-	-	-	-	-	-	162	4.99	7.50	184	5.29	7.50	233	6.05	7.50	266	6.62	7.50
	400	-	-	-	-	-	141	4.05	7.50	177	4.52	7.50	198	4.80	5.50	246	5.51	7.50	278	6.04	7.50
	350	-	-	-	3.22	7.50	157	3.62	5.50	192	4.05	5.50	212	4.31	5.50	259	4.97	5.50	291	5.47	7.50
	300	100	2.48	137	2.82	5.50	173	3.19	5.50	207	3.57	5.50	226	3.82	5.50	271	4.42	5.50	303	4.89	5.50
	250	119	2.12	155	2.43	5.50	189	2.75	5.50	221	3.10	4.00	241	3.33	4.00	284	3.88	5.50	315	4.31	5.50
	200	139	1.76	172	2.03	4.00	205	2.32	4.00	236	2.63	4.00	255	2.83	4.00	297	3.34	4.00	327	3.74	5.50
	150	158	1.40	190	1.63	4.00	221	1.89	4.00	251	2.16	4.00	269	2.34	4.00	310	2.80	4.00	339	3.16	4.00
	100	177	1.04	207	1.24	4.00	237	1.45	4.00	266	1.69	4.00	283	1.85	4.00	323	2.26	4.00	352	2.58	4.00
SUCTION	50	196	0.68	224	0.84	4.00	253	1.02	4.00	281	1.22	4.00	297	1.36	4.00	336	1.71	4.00	364	2.00	4.00
	0	215	0.32	242	0.44	4.00	268	0.58	4.00	295	0.75	4.00	311	0.87	4.00	349	1.17	4.00	376	1.43	4.00
	50	199	0.74	226	0.89	4.00	254	1.06	4.00	281	1.24	4.00	297	1.36	4.00	335	1.65	4.00	362	1.88	4.00
	100	179	1.09	208	1.29	4.00	236	1.49	4.00	264	1.71	4.00	281	1.85	4.00	320	2.20	4.00	348	2.46	4.00
	150	153	1.45	185	1.68	4.00	215	1.92	4.00	245	2.18	4.00	263	2.34	4.00	303	2.74	4.00	331	3.05	4.00
	200	123	1.80	158	2.07	4.00	191	2.35	4.00	222	2.65	4.00	241	2.83	4.00	283	3.29	4.00	313	3.63	4.00
	250	-	-	127	2.46	5.50	163	2.78	5.50	197	3.12	4.00	217	3.33	4.00	261	3.83	5.50	292	4.21	5.50
	300	-	-	-	-	-	131	3.21	5.50	168	3.59	5.50	189	3.82	5.50	237	4.38	5.50	269	4.80	5.50
	350	-	-	-	-	-	-	-	-	136	4.06	5.50	159	4.31	5.50	210	4.92	5.50	244	5.38	7.50
	400	-	-	-	-	-	-	-	-	-	-	-	126	4.80	5.50	181	5.47	7.50	217	5.96	7.50

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	550	-	-	-	-	-	-	-	-	215	7.24	9.20	226	8.33	9.20	306	8.82	9.20	366	8.94	9.20	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	231	6.63	7.50	259	7.06	7.50	322	8.13	9.20	382	8.20	9.20	-	-	-	-	-	-
	450	-	-	-	-	-	185	5.94	9.20	248	6.03	7.50	276	6.43	7.50	338	7.43	7.50	398	7.46	7.50	426	9.01	9.20	-	-	-
	400	-	-	-	-	-	203	5.39	7.50	266	5.42	7.50	293	5.80	7.50	355	6.73	7.50	441	8.22	9.20	483	9.04	9.20	-	-	-
	350	-	-	175	4.27	7.50	221	4.83	7.50	285	4.82	5.50	311	5.17	5.50	372	6.04	7.50	415	6.71	7.50	457	7.44	7.50	499	8.21	9.20
	300	149	3.28	195	3.76	7.50	240	4.27	7.50	304	4.22	5.50	330	4.54	5.50	390	5.34	5.50	432	5.97	7.50	473	6.65	7.50	514	7.38	7.50
	250	170	2.82	215	3.25	5.50	260	3.71	5.50	324	3.61	5.50	349	3.90	5.50	408	4.65	5.50	449	5.23	5.50	489	5.86	7.50	530	6.55	7.50
	200	192	2.36	237	2.74	5.50	281	3.16	5.50	344	3.01	5.50	369	3.27	5.50	426	3.95	5.50	466	4.49	5.50	506	5.08	5.50	546	5.72	7.50
	150	216	1.90	260	2.23	5.50	302	2.60	5.50	365	2.40	5.50	389	2.64	5.50	445	3.25	5.50	484	3.75	5.50	523	4.29	5.50	562	4.88	5.50
	100	242	1.44	284	1.72	5.50	325	2.04	5.50	387	1.80	5.50	410	2.01	5.50	464	2.56	5.50	502	3.00	5.50	541	3.50	5.50	579	4.05	5.50
SUCTION	50	269	0.97	309	1.21	5.50	348	1.48	5.50	409	1.19	5.50	432	1.37	5.50	484	1.86	5.50	521	2.26	5.50	558	2.72	5.50	595	3.22	5.50
	0	298	0.51	335	0.70	5.50	372	0.93	5.50	434	0.70	5.50	457	0.88	5.50	509	1.37	5.50	546	1.86	5.50	583	2.32	5.50	620	2.77	5.50
	50	270	1.07	308	1.31	5.50	346	1.57	5.50	384	1.86	5.50	406	2.05	5.50	459	2.53	5.50	496	2.90	5.50	534	3.30	5.50	571	3.73	5.50
	100	242	1.47	281	1.76	5.50	320	2.06	5.50	359	2.40	5.50	382	2.61	5.50	436	3.15	5.50	474	3.56	5.50	512	4.00	5.50	549	4.47	5.50
	150	210	1.87	251	2.20	5.50	292	2.55	5.50	332	2.93	5.50	356	3.17	5.50	411	3.77	5.50	450	4.23	5.50	488	4.71	5.50	527	5.22	5.50
	200	174	2.28	218	2.65	5.50	261	3.05	5.50	303	3.47	5.50	327	3.73	5.50	384	4.39	5.50	424	4.89	5.50	463	5.42	5.50	503	5.97	7.50
	250	-	-	-	3.09	5.50	228	3.54	5.50	271	4.00	5.50	297	4.29	5.50	356	5.01	5.50	397	5.55	7.50	437	6.12	7.50	477	6.72	7.50
	300	-	-	-	-	-	192	4.03	5.50	238	4.54	5.50	265	4.85	5.50	326	5.63	7.50	368	6.22	7.50	410	6.83	7.50	451	7.47	7.50
	350	-	-	-	-	-	-	-	-	202	5.07	7.50	230	5.41	5.50	294	6.25	7.50	338	6.88	7.50	381	7.54	9.20	423	8.22	9.20
	400	-	-	-	-	-	-	-	-	194	-	-	194	5.97	7.50	261	6.87	7.50	306	7.54	9.20	351	8.24	9.20	394	8.97	9.20

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
 SERIES **e** MODEL **08**
 TYPE **TD** EXECUTION **MOR - GOR - GVR**
 Rev. 19-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
600	-	-	-	-	-	-	-	-	-	-	-	-	336	11.76	15.00	420	13.59	15.00	-	-	-	-	-	-	-	-	-
550	-	-	-	-	-	-	-	-	-	317	10.28	15.00	353	10.99	11.00	437	12.74	15.00	496	14.09	15.00	-	-	-	-	-	-
500	-	-	-	-	-	-	-	-	-	335	9.55	11.00	371	10.22	11.00	454	11.89	15.00	513	13.18	15.00	571	14.56	15.00	-	-	-
450	-	-	-	-	-	-	293	7.81	11.00	353	8.81	11.00	389	9.45	11.00	472	11.04	15.00	530	12.28	15.00	587	13.60	15.00	-	-	-
400	-	-	-	252	6.25	11.00	313	7.13	11.00	373	8.08	9.20	408	8.68	9.20	490	10.20	11.00	547	11.38	15.00	604	12.65	15.00	660	14.01	15.00
350	213	4.87	11.00	273	5.63	11.00	333	6.45	9.20	392	7.34	9.20	428	7.91	9.20	508	9.35	11.00	565	10.47	11.00	621	11.69	15.00	676	13.00	15.00
300	235	4.31	9.20	295	5.01	9.20	355	5.77	9.20	413	6.61	7.50	447	7.14	7.50	527	8.50	9.20	583	9.57	11.00	638	10.73	11.00	693	11.99	15.00
250	259	3.75	9.20	318	4.39	7.50	377	5.09	7.50	434	5.87	7.50	468	6.37	7.50	546	7.65	9.20	601	8.67	9.20	655	9.78	11.00	709	10.98	11.00
200	284	3.19	7.50	342	3.77	7.50	399	4.42	7.50	455	5.13	7.50	489	5.60	7.50	565	6.80	7.50	619	7.77	9.20	673	8.82	9.20	726	9.96	11.00
150	311	2.63	7.50	367	3.15	7.50	423	3.74	7.50	477	4.40	7.50	510	4.83	7.50	585	5.96	7.50	638	6.86	7.50	691	7.86	9.20	743	8.95	9.20
100	338	2.07	7.50	393	2.53	7.50	447	3.06	7.50	500	3.66	7.50	532	4.06	7.50	605	5.11	7.50	657	5.96	7.50	709	6.90	7.50	761	7.94	9.20
50	368	1.50	7.50	420	1.91	7.50	472	2.38	7.50	523	2.93	7.50	554	3.29	7.50	626	4.26	7.50	677	5.06	7.50	728	5.95	7.50	778	6.93	7.50
0	398	0.94	7.50	448	1.29	7.50	497	1.70	7.50	547	2.19	7.50	577	2.52	7.50	647	3.41	7.50	696	4.16	7.50	746	4.99	7.50	796	5.92	7.50
50	372	1.56	7.50	423	1.91	7.50	474	2.31	7.50	525	2.75	7.50	555	3.03	7.50	626	3.75	7.50	677	4.32	7.50	728	4.92	7.50	778	5.58	7.50
100	341	2.08	7.50	393	2.49	7.50	445	2.95	7.50	497	3.44	7.50	528	3.76	7.50	600	4.56	7.50	651	5.18	7.50	703	5.84	7.50	754	6.54	7.50
150	307	2.60	7.50	362	3.07	7.50	415	3.58	7.50	468	4.13	7.50	500	4.48	7.50	573	5.36	7.50	625	6.03	7.50	677	6.75	7.50	728	7.51	9.20
200	272	3.11	7.50	328	3.65	7.50	383	4.21	7.50	437	4.82	7.50	470	5.21	7.50	544	6.16	7.50	597	6.89	7.50	650	7.67	9.20	702	8.48	9.20
250	-	-	-	292	4.22	7.50	350	4.85	7.50	406	5.51	7.50	439	5.93	7.50	515	6.97	7.50	569	7.75	9.20	622	8.58	9.20	675	9.45	11.00
300	-	-	-	-	-	-	314	5.48	7.50	372	6.21	7.50	406	6.66	7.50	484	7.77	9.20	539	8.61	9.20	594	9.49	11.00	647	10.42	11.00
350	-	-	-	-	-	-	-	-	-	337	6.90	9.20	372	7.38	7.50	453	8.57	9.20	509	9.47	11.00	564	10.41	11.00	619	11.39	15.00
400	-	-	-	-	-	-	-	-	-	-	-	-	337	8.11	9.20	420	9.38	11.00	477	10.33	11.00	534	11.32	15.00	589	12.36	15.00

Tolerance on indicated values $\pm 10\%$.
 Data subject to change without notice.
 Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
 * Only for GOR / GVR execution

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*				
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]		
COMPRESSION	600	-	-	-	-	-	-	-	-	-	-	-	392	12.22	15.00	434	13.96	15.00	512	16.01	18.50	580	17.57	18.50	-	-	-	-	
	550	-	-	-	-	-	-	-	-	411	11.30	15.00	452	12.05	15.00	530	14.96	18.50	597	16.45	18.50	-	-	-	-	-	-	-	
	500	-	-	-	-	-	-	-	-	431	10.39	15.00	472	11.10	15.00	548	13.91	15.00	615	15.33	18.50	681	16.83	18.50	-	-	-	-	
	450	-	-	-	-	-	362	9.27	15.00	431	9.48	15.00	472	10.14	15.00	566	12.85	15.00	633	14.20	15.00	699	15.64	18.50	764	17.16	18.50	18.50	
	400	-	-	-	313	7.44	15.00	383	8.42	15.00	451	9.48	15.00	492	10.14	11.00	585	11.80	15.00	651	13.08	15.00	716	14.45	18.50	781	15.91	18.50	
	350	266	5.81	15.00	336	6.67	15.00	404	7.58	11.00	472	8.56	11.00	512	9.19	11.00	605	10.75	15.00	670	11.96	15.00	734	13.26	15.00	798	14.65	18.50	18.50
	300	290	5.11	15.00	359	5.90	11.00	427	6.74	11.00	494	7.65	11.00	533	8.23	11.00	624	9.70	11.00	688	10.84	15.00	752	12.07	15.00	815	13.40	15.00	15.00
	250	315	4.42	11.00	383	5.13	11.00	450	5.90	11.00	516	6.74	11.00	555	7.28	11.00	644	8.65	11.00	708	9.72	11.00	770	10.89	15.00	833	12.14	15.00	15.00
	200	342	3.72	11.00	408	4.36	11.00	474	5.06	11.00	538	5.83	11.00	577	6.32	11.00	665	7.59	11.00	727	8.60	11.00	789	9.70	11.00	850	10.89	15.00	15.00
	150	370	3.02	11.00	435	3.59	11.00	499	4.21	11.00	562	4.91	11.00	599	5.37	11.00	686	6.54	11.00	747	7.48	11.00	808	8.51	11.00	868	9.63	11.00	11.00
SUCTION	100	399	2.33	11.00	462	2.82	11.00	524	3.37	11.00	585	4.00	11.00	622	4.41	11.00	707	5.49	11.00	767	6.36	11.00	827	7.32	11.00	887	8.38	11.00	11.00
	50	430	1.63	11.00	490	2.05	11.00	550	2.53	11.00	610	3.09	11.00	646	3.46	11.00	728	4.44	11.00	787	5.24	11.00	846	6.13	11.00	905	7.12	11.00	11.00
	0	462	0.93	11.00	520	1.28	11.00	577	1.69	11.00	635	2.17	11.00	670	2.50	11.00	750	3.38	11.00	808	4.12	11.00	866	4.94	11.00	924	5.87	11.00	11.00
	50	435	1.74	11.00	494	2.13	11.00	552	2.56	11.00	611	3.04	11.00	646	3.35	11.00	727	4.14	11.00	786	4.75	11.00	844	5.41	11.00	902	6.12	11.00	11.00
	100	402	2.35	11.00	463	2.81	11.00	523	3.31	11.00	583	3.86	11.00	619	4.21	11.00	702	5.08	11.00	761	5.77	11.00	820	6.49	11.00	879	7.27	11.00	11.00
	150	363	2.96	11.00	427	3.49	11.00	490	4.06	11.00	552	4.67	11.00	589	5.06	11.00	674	6.03	11.00	734	6.78	11.00	794	7.57	11.00	853	8.41	11.00	11.00
	200	319	3.57	11.00	387	4.17	11.00	453	4.81	11.00	517	5.49	11.00	555	5.92	11.00	642	6.98	11.00	704	7.79	11.00	765	8.65	11.00	826	9.56	11.00	11.00
	250	-	-	-	342	4.85	11.00	411	5.56	11.00	479	6.31	11.00	518	6.78	11.00	608	7.93	11.00	672	8.81	11.00	734	9.73	11.00	796	10.70	15.00	15.00
	300	-	-	-	-	-	-	366	6.31	11.00	437	7.12	11.00	478	7.63	11.00	572	8.88	11.00	637	9.82	11.00	701	10.81	15.00	765	11.84	15.00	15.00
	350	-	-	-	-	-	-	316	7.06	11.00	391	7.94	11.00	434	8.49	11.00	532	9.83	11.00	600	10.84	15.00	666	11.89	15.00	731	12.99	15.00	15.00
400	-	-	-	-	-	-	-	-	-	342	8.76	11.00	388	9.34	11.00	490	10.78	15.00	560	11.85	15.00	629	12.97	15.00	696	14.13	15.00	15.00	
450	-	-	-	-	-	-	-	-	-	-	-	-	337	10.20	11.00	445	11.73	15.00	518	12.87	15.00	589	14.05	15.00	658	15.27	18.50	18.50	

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	550	-	-	-	-	-	-	-	-	550	16.05	18.50	573	14.93	18.50	693	17.37	18.50	-	-	-	-	-	-	-	-	-	-
	500	-	-	-	-	-	522	13.94	18.50	573	14.93	18.50	597	13.80	15.00	715	16.14	18.50	-	-	-	-	-	-	-	-	-	-
	450	-	-	-	-	-	546	12.87	18.50	597	13.80	15.00	622	12.68	15.00	738	14.90	18.50	820	16.63	18.50	923	17.09	18.50	-	-	-	
	400	-	-	-	-	-	485	10.41	15.00	571	11.80	15.00	647	11.56	15.00	762	13.66	15.00	843	15.31	18.50	944	15.70	18.50	1023	17.53	18.50	
	350	-	-	-	426	8.22	15.00	512	9.42	15.00	596	10.73	15.00	672	10.44	11.00	785	12.43	15.00	865	14.00	15.00	966	14.30	18.50	1044	16.06	18.50
	300	368	6.29	15.00	455	7.32	15.00	539	8.43	15.00	623	9.65	15.00	672	10.44	11.00	785	12.43	15.00	865	14.00	15.00	944	15.70	18.50	1023	17.53	18.50
	250	399	5.47	15.00	484	6.41	15.00	568	7.44	11.00	649	8.58	11.00	698	9.31	11.00	810	11.19	15.00	888	12.68	15.00	966	14.30	18.50	1044	16.06	18.50
	200	432	4.66	11.00	515	5.51	11.00	597	6.46	11.00	677	7.51	11.00	724	8.19	11.00	834	9.95	11.00	912	11.36	15.00	989	12.90	15.00	1065	14.58	18.50
	150	466	3.84	11.00	547	4.60	11.00	626	5.47	11.00	705	6.43	11.00	751	7.07	11.00	859	8.72	11.00	936	10.05	11.00	1011	11.51	15.00	1087	13.11	15.00
	100	501	3.02	11.00	580	3.70	11.00	657	4.48	11.00	733	5.36	11.00	779	5.95	11.00	885	7.48	11.00	960	8.73	11.00	1034	10.11	11.00	1108	11.63	15.00
50	538	2.20	11.00	614	2.79	11.00	688	3.49	11.00	763	4.29	11.00	807	4.83	11.00	910	6.24	11.00	984	7.41	11.00	1057	8.71	11.00	1130	10.16	11.00	
0	576	1.38	11.00	648	1.89	11.00	720	2.50	11.00	792	3.22	11.00	836	3.70	11.00	937	5.01	11.00	1009	6.09	11.00	1081	7.32	11.00	1153	8.68	11.00	
SUCTION	50	543	2.38	11.00	617	2.95	11.00	690	3.58	11.00	763	4.27	11.00	806	4.72	11.00	908	5.87	11.00	980	6.77	11.00	1053	7.75	11.00	1125	8.79	11.00
	100	504	3.08	11.00	580	3.72	11.00	655	4.43	11.00	730	5.20	11.00	774	5.70	11.00	878	6.95	11.00	951	7.92	11.00	1024	8.97	11.00	1098	10.09	11.00
	150	458	3.77	11.00	537	4.49	11.00	615	5.28	11.00	692	6.12	11.00	738	6.67	11.00	844	8.02	11.00	919	9.07	11.00	993	10.19	11.00	1067	11.38	15.00
	200	404	4.47	11.00	488	5.26	11.00	570	6.13	11.00	650	7.05	11.00	698	7.64	11.00	806	9.10	11.00	883	10.22	11.00	959	11.42	15.00	1035	12.68	15.00
	250	-	-	-	433	6.04	11.00	520	6.97	11.00	604	7.98	11.00	653	8.61	11.00	765	10.17	11.00	844	11.37	15.00	922	12.64	15.00	999	13.98	15.00
	300	-	-	-	-	-	-	465	7.82	15.00	553	8.90	11.00	604	9.58	11.00	721	11.25	15.00	802	12.52	15.00	882	13.86	15.00	961	15.27	18.50
	350	-	-	-	-	-	-	-	-	-	497	9.83	15.00	551	10.55	11.00	673	12.32	15.00	757	13.67	15.00	840	15.09	18.50	921	16.57	18.50
	400	-	-	-	-	-	-	-	-	-	437	10.75	15.00	494	11.52	15.00	622	13.40	15.00	709	14.82	18.50	794	16.31	18.50	-	-	-
	450	-	-	-	-	-	-	-	-	-	-	-	433	12.49	15.00	567	14.47	18.50	658	15.97	18.50	746	17.53	18.50	-	-	-	

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	450	-	-	-	-	-	-	-	-	698	13.91	18.50	731	16.27	18.50	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	-	-	-	753	14.96	18.50	881	17.60	18.50	-	-	-
	350	-	-	-	-	-	628	11.11	18.50	720	12.66	15.00	775	13.65	15.00	903	16.16	18.50	-	-	-
	300	-	-	-	8.62	18.50	652	9.95	15.00	744	11.40	15.00	799	12.34	15.00	925	14.71	18.50	1014	16.59	18.50
	250	493	6.45	15.00	7.57	15.00	678	8.80	15.00	768	10.15	15.00	822	11.03	15.00	947	13.27	15.00	1035	15.05	18.50
	200	522	5.49	15.00	6.51	15.00	704	7.64	15.00	794	8.90	15.00	847	9.71	15.00	970	11.82	15.00	1057	13.51	15.00
	150	553	4.54	15.00	5.45	15.00	732	6.48	15.00	820	7.64	15.00	872	8.40	15.00	994	10.38	15.00	1080	11.97	15.00
	100	586	3.58	15.00	4.40	15.00	761	5.33	15.00	847	6.39	15.00	898	7.09	15.00	1018	8.93	15.00	1103	10.43	15.00
	50	620	2.63	15.00	3.34	15.00	790	4.17	15.00	875	5.14	15.00	925	5.78	15.00	1042	7.49	15.00	1126	8.90	15.00
	0	657	1.67	15.00	2.28	15.00	821	3.02	15.00	903	3.88	15.00	953	4.47	15.00	1068	6.04	15.00	1150	7.36	15.00
SUCTION	50	620	2.83	15.00	3.50	15.00	788	4.25	15.00	871	5.08	15.00	921	5.62	15.00	1037	6.98	15.00	1120	8.05	15.00
	100	576	3.66	15.00	4.42	15.00	748	5.26	15.00	833	6.18	15.00	884	6.77	15.00	1002	8.26	15.00	1086	9.42	15.00
	150	525	4.48	15.00	5.34	15.00	704	6.27	15.00	791	7.28	15.00	843	7.92	15.00	964	9.53	15.00	1049	10.78	15.00
	200	468	5.30	15.00	6.25	15.00	655	7.27	15.00	745	8.37	15.00	799	9.07	15.00	922	10.81	15.00	1009	12.14	15.00
	250	-	-	-	7.17	15.00	601	8.28	15.00	695	9.47	15.00	750	10.22	15.00	877	12.08	15.00	967	13.51	15.00
	300	-	-	-	-	-	542	9.29	15.00	641	10.57	15.00	698	11.37	15.00	829	13.36	15.00	921	14.87	18.50
	350	-	-	-	-	-	-	-	-	582	11.67	15.00	642	12.52	15.00	778	14.63	18.50	873	16.23	18.50
	400	-	-	-	-	-	-	-	-	-	-	-	582	13.68	15.00	724	15.91	18.50	821	17.60	18.50

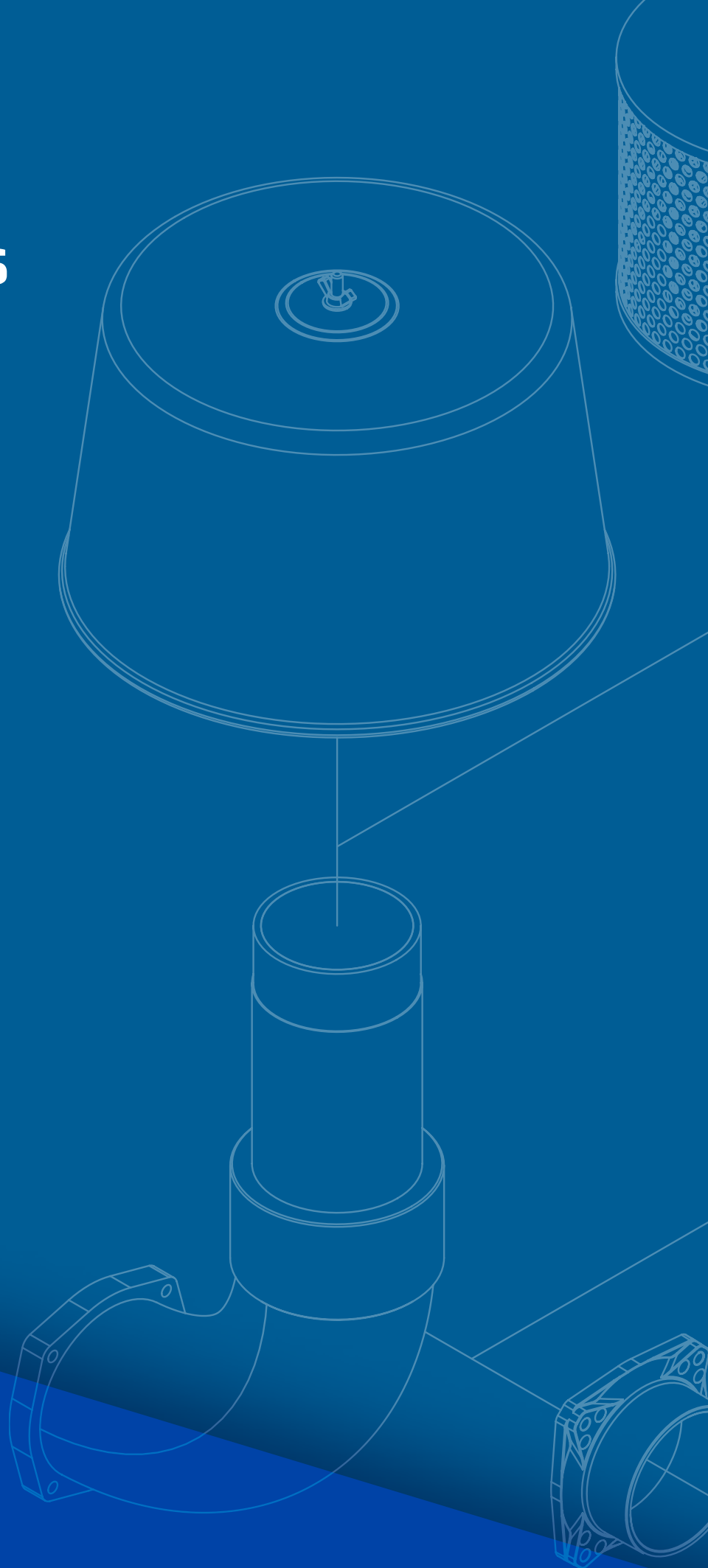
Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

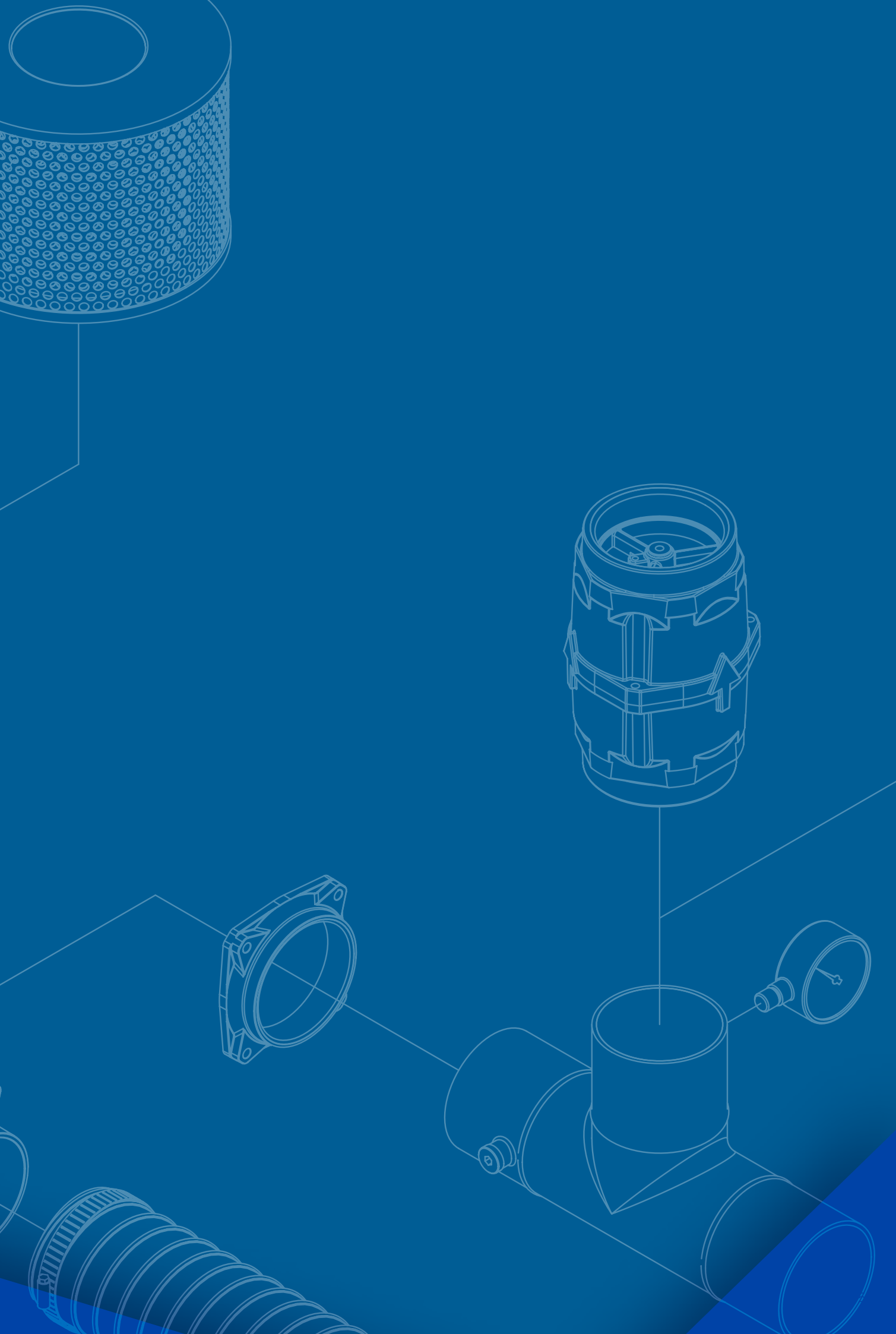
Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	450	-	-	-	-	-	-	-	-	-	-	-	789	18.70	22.00	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	753	15.99	22.00	816	17.21	18.50	961	20.27	22.00	-	-	-
	350	-	-	-	-	-	677	12.76	18.50	782	14.56	18.50	844	15.71	18.50	987	18.63	22.00	1087	20.92	22.00
	300	-	-	-	602	9.91	708	11.45	18.50	811	13.13	18.50	872	14.22	15.00	1013	16.98	18.50	1112	19.17	22.00
	250	530	7.41	18.50	636	8.70	739	10.13	15.00	840	11.70	15.00	900	12.72	15.00	1039	15.34	18.50	1136	17.41	18.50
	200	567	6.32	15.00	670	7.50	771	8.81	15.00	870	10.28	15.00	929	11.23	15.00	1065	13.69	15.00	1161	15.66	18.50
	150	604	5.23	15.00	704	6.29	803	7.50	15.00	900	8.85	15.00	958	9.74	15.00	1092	12.05	15.00	1186	13.91	15.00
	100	643	4.14	15.00	740	5.09	836	6.18	15.00	930	7.42	15.00	987	8.24	15.00	1118	10.40	15.00	1212	12.16	15.00
	50	682	3.05	15.00	775	3.89	869	4.86	15.00	961	5.99	15.00	1017	6.75	15.00	1145	8.75	15.00	1237	10.40	15.00
	0	722	1.96	15.00	812	2.68	902	3.55	15.00	992	4.57	15.00	1046	5.26	15.00	1173	7.11	15.00	1263	8.65	15.00
SUCTION	50	683	3.35	15.00	785	4.14	877	5.03	15.00	969	6.02	15.00	1024	6.66	15.00	1152	8.28	15.00	1244	9.56	15.00
	100	652	4.30	15.00	747	5.20	841	6.20	15.00	935	7.28	15.00	991	7.98	15.00	1121	9.75	15.00	1214	11.13	15.00
	150	602	5.25	15.00	702	6.26	799	7.36	15.00	896	8.55	15.00	953	9.31	15.00	1086	11.22	15.00	1180	12.70	15.00
	200	543	6.20	15.00	649	7.31	751	8.52	15.00	851	9.81	15.00	910	10.64	15.00	1046	12.69	15.00	1142	14.27	15.00
	250	-	-	-	588	8.37	696	9.68	15.00	800	11.08	15.00	862	11.96	15.00	1002	14.16	15.00	1101	15.84	18.50
	300	-	-	-	-	-	635	10.84	18.50	744	12.34	15.00	808	13.29	15.00	954	15.63	18.50	1055	17.41	18.50
	350	-	-	-	-	-	-	-	-	683	13.61	18.50	750	14.61	18.50	901	17.10	18.50	1006	18.98	22.00
	400	-	-	-	-	-	-	-	-	-	-	-	687	15.94	18.50	845	18.57	22.00	953	20.55	22.00

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Accessories

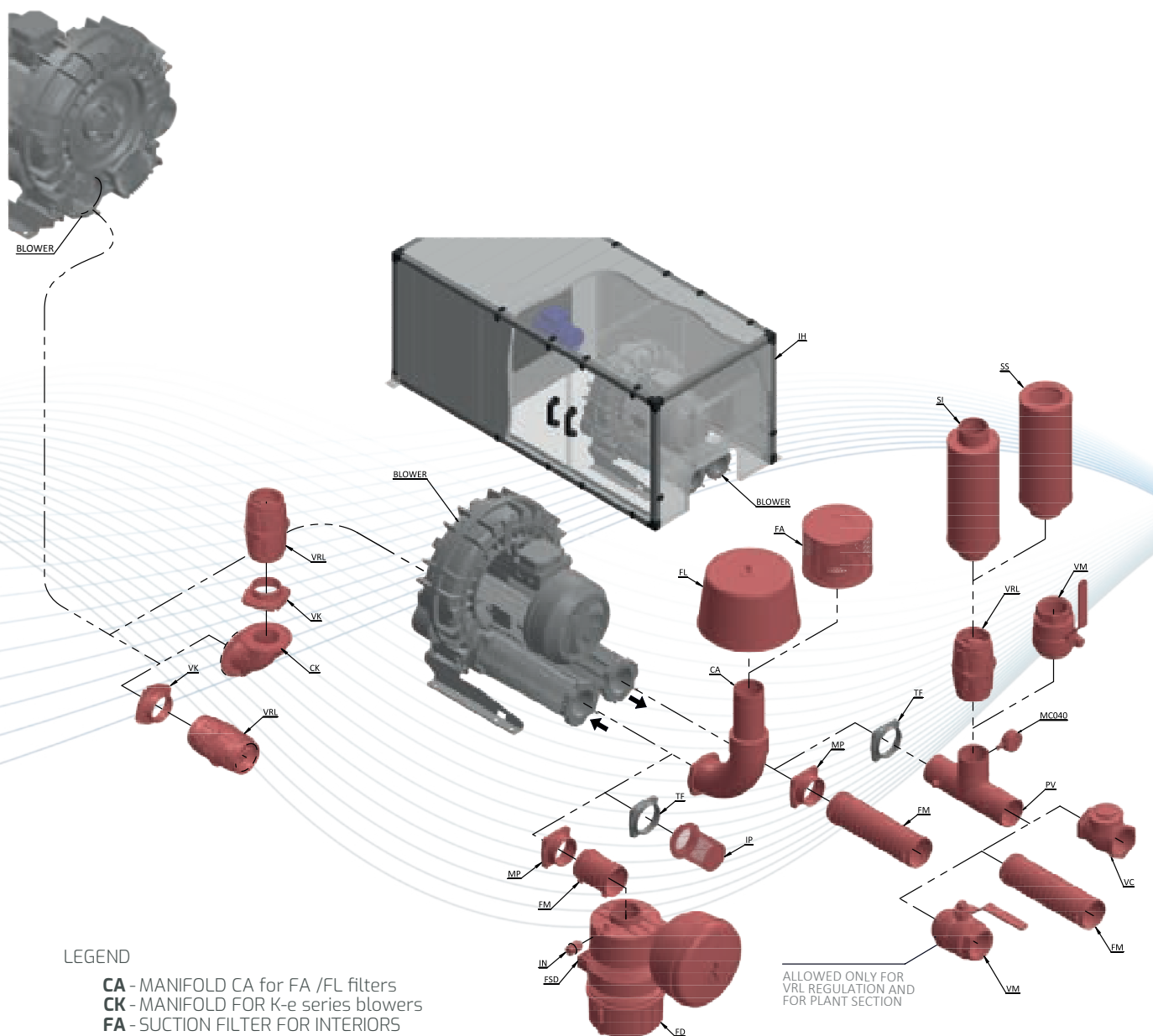
Data sheet





ACCESSORIES FOR BLOWERS - MS TYPE

PRESSURE APPLICATION



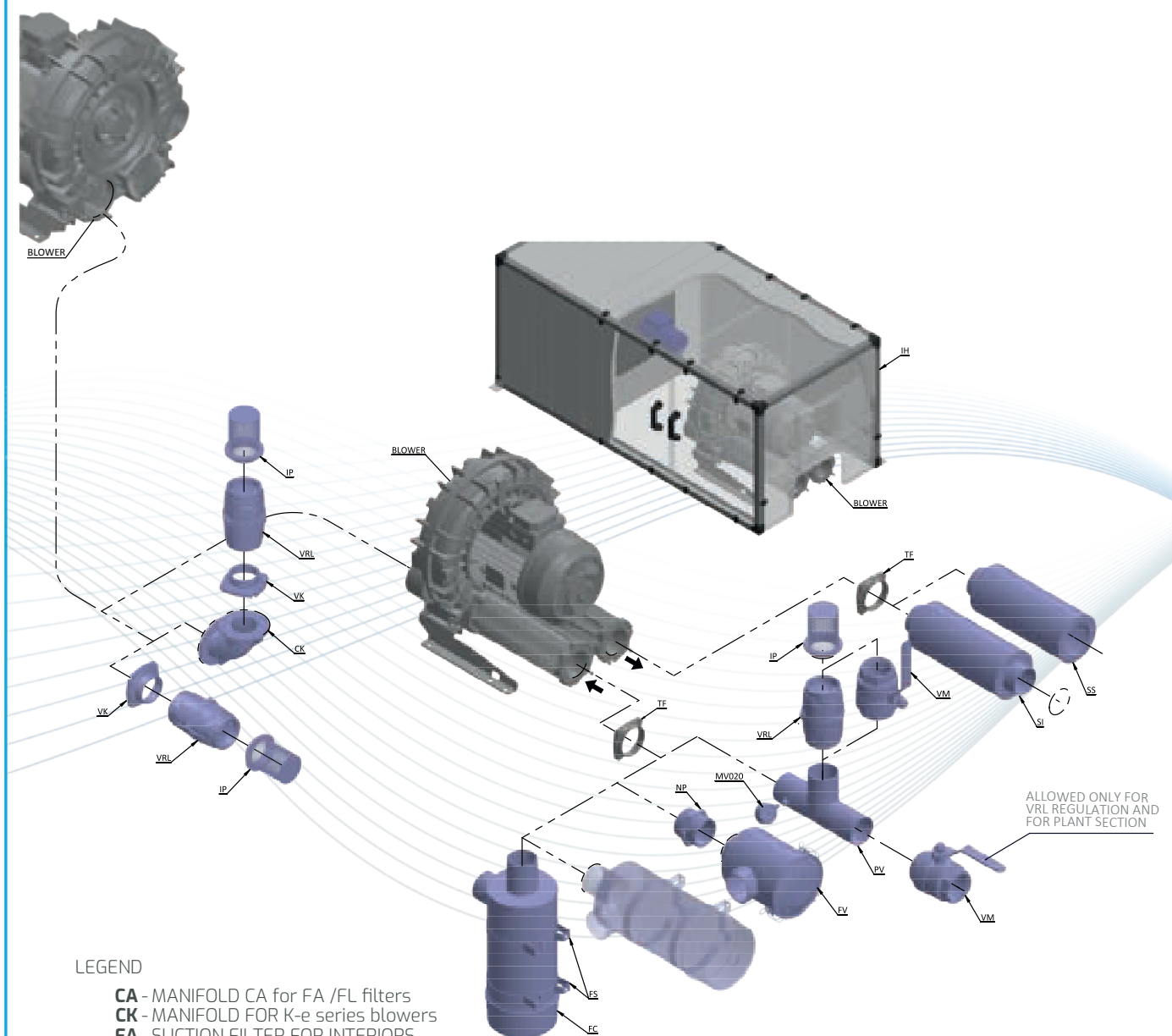
LEGEND

- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FD** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ALLOWED ONLY FOR
VRL REGULATION AND
FOR PLANT SECTION

ACCESSORIES FOR BLOWERS - MS TYPE

VACUUM APPLICATION

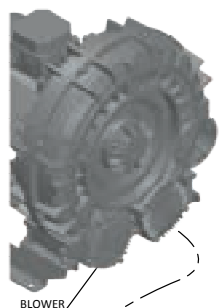


LEGEND

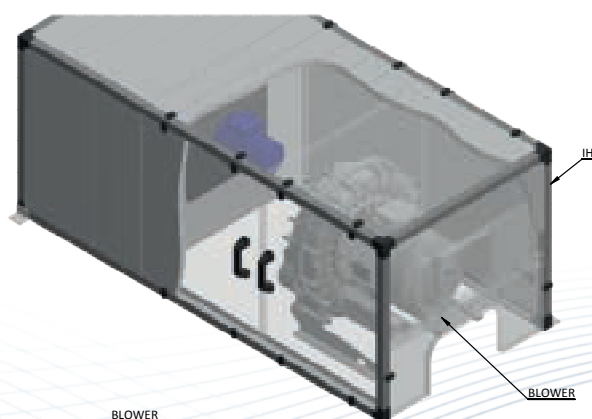
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ACCESSORIES FOR BLOWERS - MD TYPE

PRESSURE APPLICATION

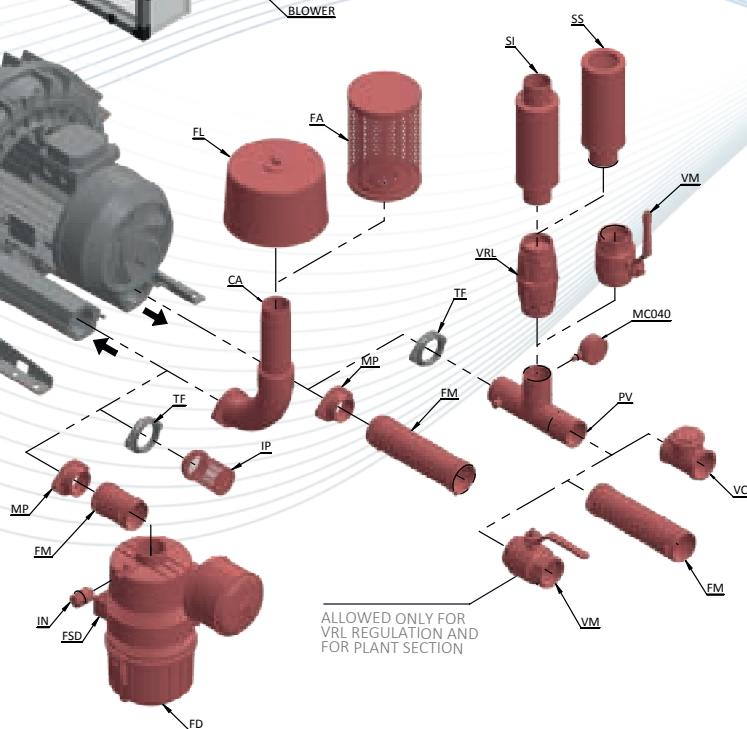


ACCESSORIES ARE NOT
ALLOWED TO BE
CONNECTED ON BLOWER
COVER FOR MD TYPE



BLOWER

BLOWER



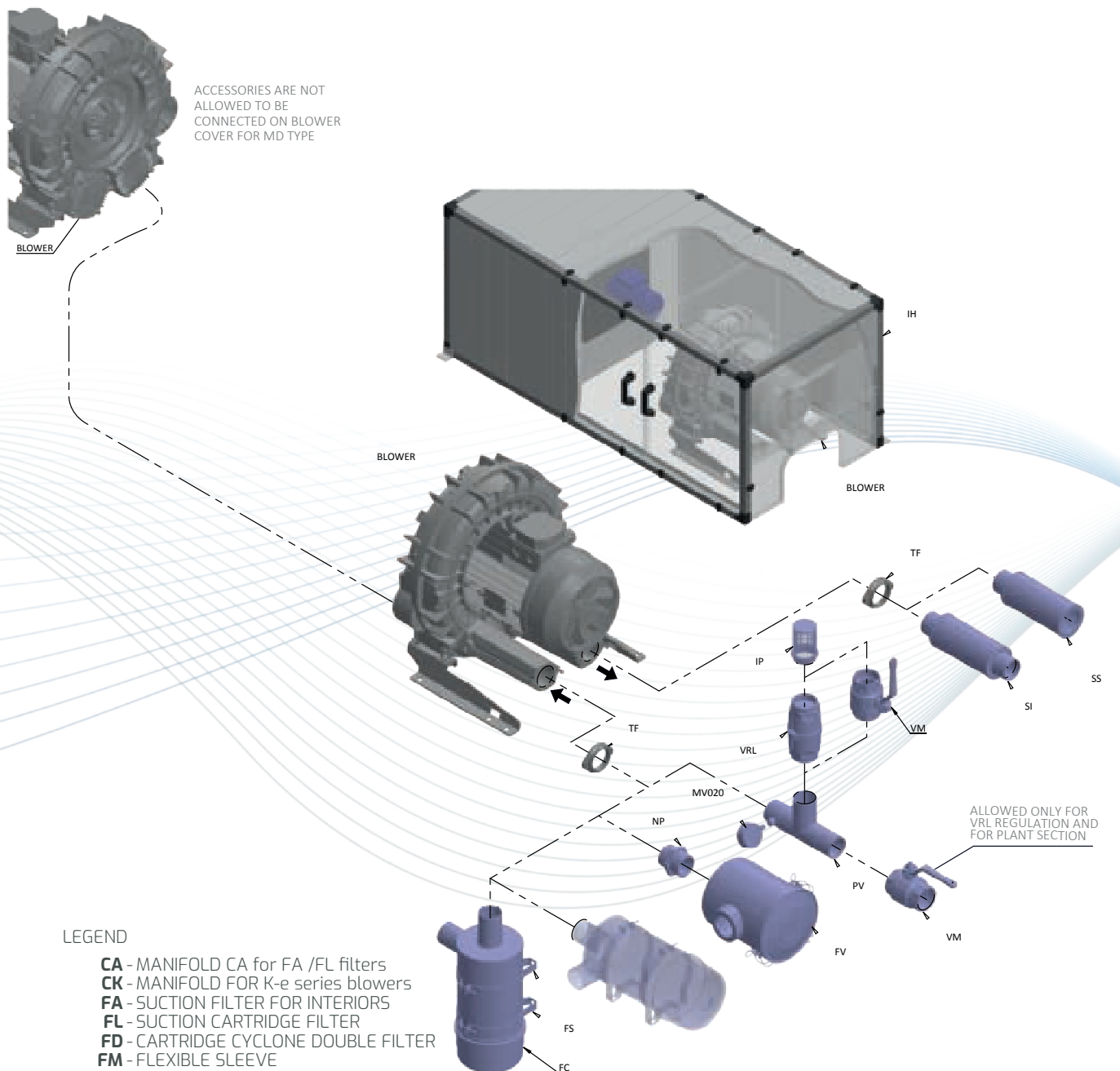
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- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
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- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
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ACCESSORIES FOR BLOWERS - MD TYPE

VACUUM APPLICATION

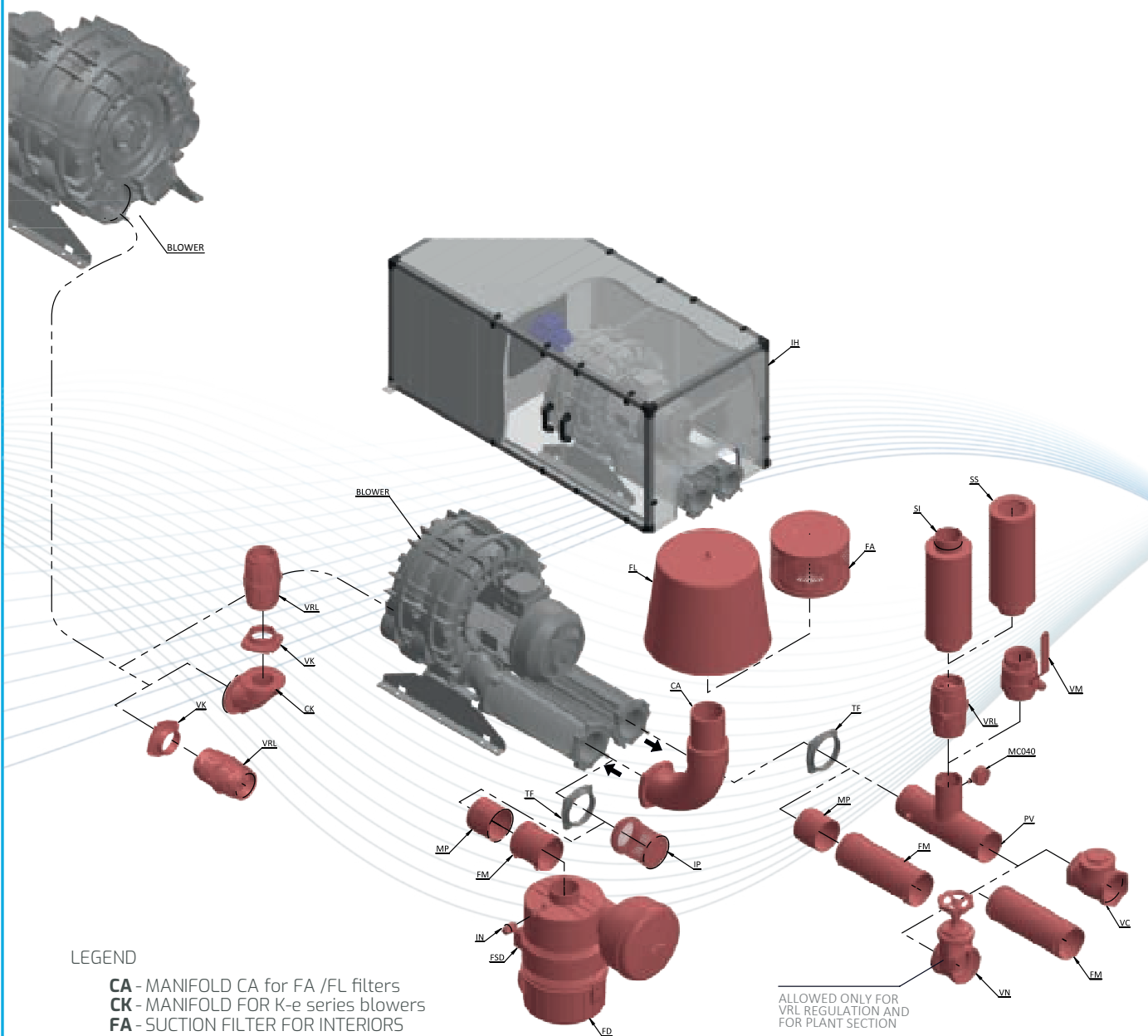


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- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MCO40** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ACCESSORIES FOR BLOWERS - TS TYPE

PRESSURE APPLICATION



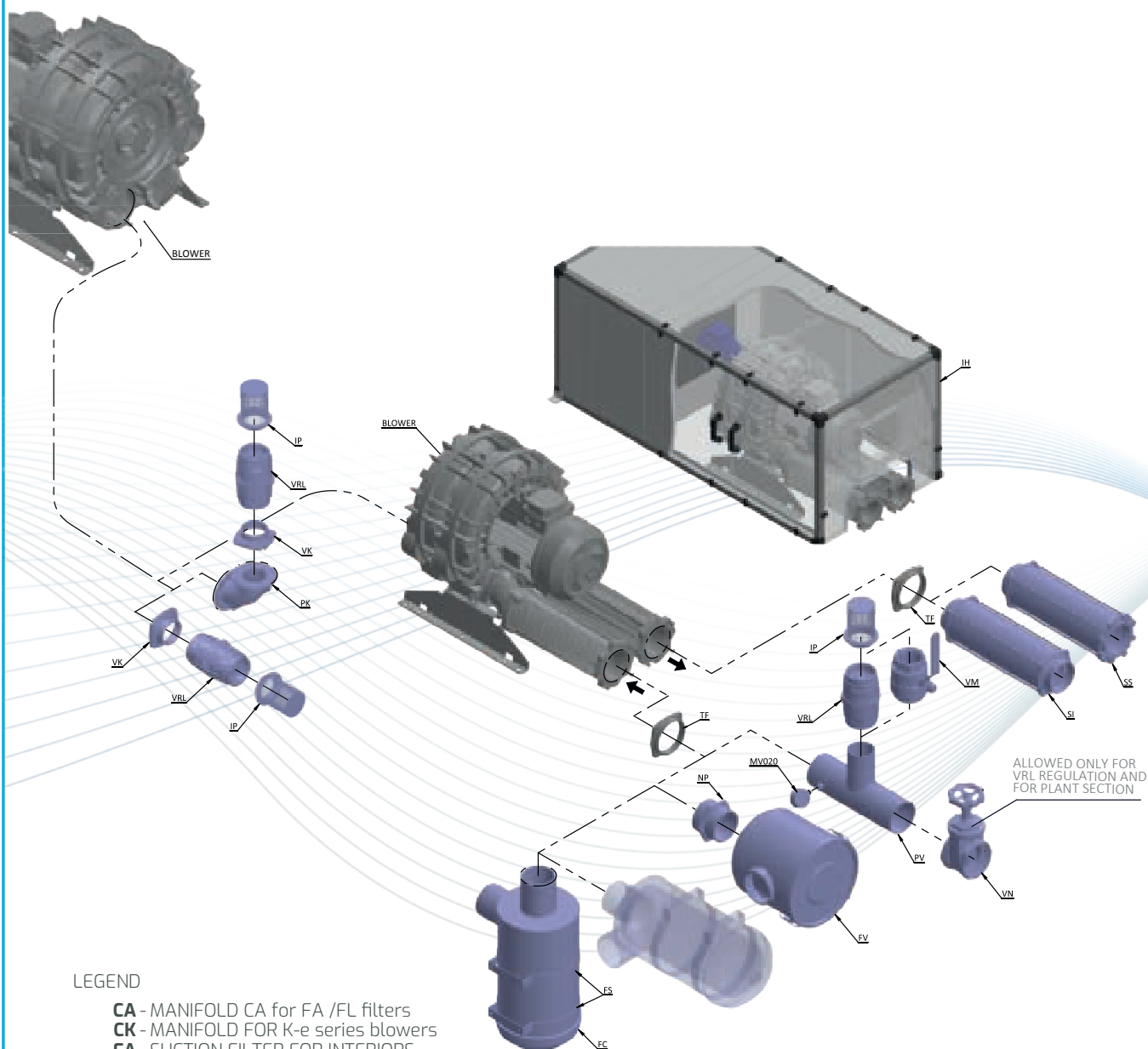
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ALLOWED ONLY FOR
VRL REGULATION AND
FOR PLANT SECTION

ACCESSORIES FOR BLOWERS - TS TYPE

VACUUM APPLICATION

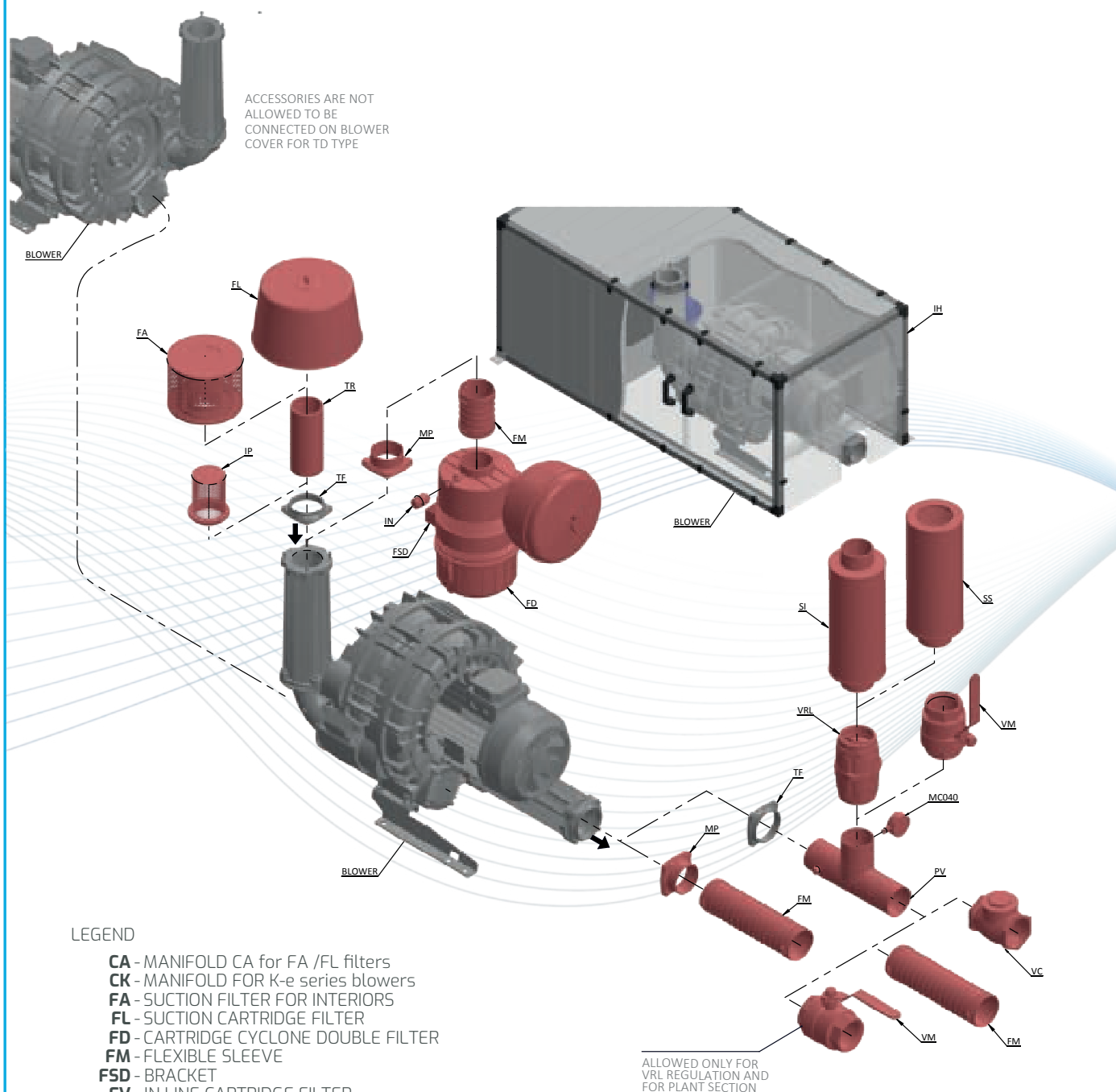


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- VK** - FLANGE VK

ACCESSORIES FOR BLOWERS - TD TYPE

PRESSURE APPLICATION

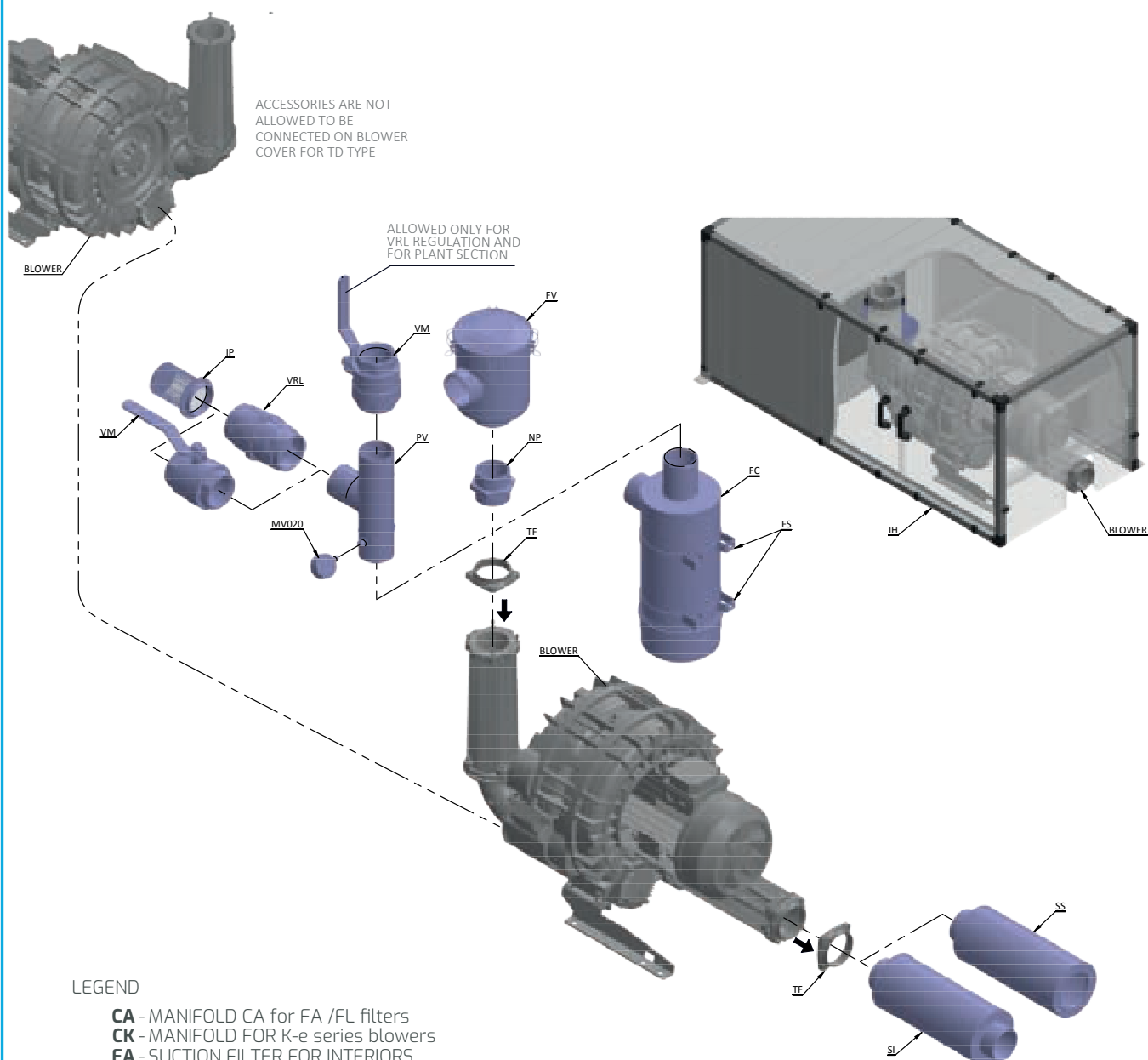


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ACCESSORIES FOR BLOWERS - TD TYPE

VACUUM APPLICATION

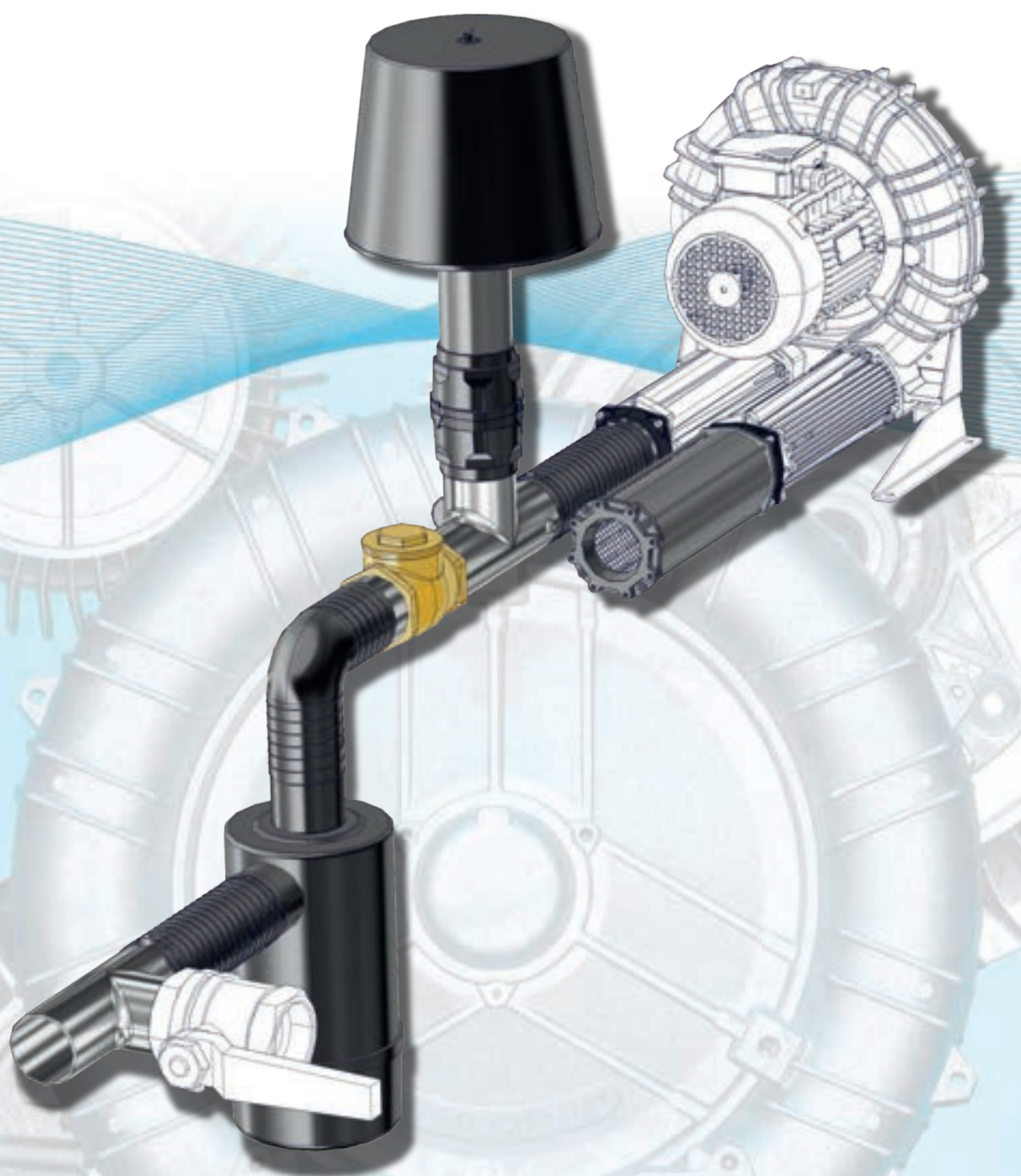


LEGEND

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- FL - SUCTION CARTRIDGE FILTER
- FD - CARTRIDGE CYCLONE DOUBLE FILTER
- FM - FLEXIBLE SLEEVE
- FSD - BRACKET
- FV - IN LINE CARTRIDGE FILTER
- IH - SOUNDPROOF CABIN
- IN - DUST LOAD INDICATOR
- IP - INTAKE PROTECTION
- MCO40 - PRESSURE GAUGE
- MP - HOSE SLEEVE
- TF - THREADED FLANGE
- PK - HOSE SLEEVE
- PV - VALVE HOLDER PV
- SI - IN LINE SUPPLEMENTARY SILENCER
- SS - FINAL SUPPLEMENTARY SILENCER
- VC - NON-RETURN VALVE
- VM - BALL VALVE
- VRL - RELIEF VALVE
- VK - FLANGE VK

ACCESSORIES FOR BLOWERS

DS_ACC_EN_20-04



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

ACCESSORIES FOR SIDE CHANNEL BLOWERS - EXHAUSTERS - Technical data

Model	DESCRIPTION	NOTES
CA	MANIFOLD CA for FA /FL filters	Use only in suction, for installing directly on the silencer housing oriented horizontally.
CD	CARTRIDGE CDF	Spare for filter FD.
CF	CARTRIDGE CF	Spare for filter FL.
CK	MANIFOLD FOR K/e series blowers	For installing the silencer housing vertically on the cover. In this case the blind flange will be installed on the body.
CL	CARTRIDGE CL	Spare for filter FC.
CV	CARTRIDGE CV	Spare for filter FV.
FA	SUCTION FILTER FOR INTERIORS	Direct fitting to the blower is possible via SECTION TR on the threaded flange or via MANIFOLD CA for filters.
FC	IN LINE CARTRIDGE CYCLONE FILTER	Sleeves with GAS external thread.
FD	CARTRIDGE CYCLONE DOUBLE FILTER	Hose sleeve connection
FL	SUCTION CARTRIDGE FILTER	Direct fitting to the blower is possible via SECTION TR on the threaded flange or via MANIFOLD CA for filters.
FM	FLEXIBLE SLEEVE	It makes connection of the blower to the plant flexible and use with HOSE SLEEVE MP and PK is foreseen.
FS	BRACKET	Filter FC accessory for rigid fixing.
FSD	BRACKET	Filter FD accessory for rigid fixing.
FV	IN LINE CARTRIDGE FILTER	Sleeves with GAS internal thread.
IH	SOUNDPROOF CABIN	On models IH1, IH3, IH4 and IH5 fixing of the blower and connection via internal kit included is foreseen. Fixing of cabins to the floor is not foreseen.
IN	DUST LOAD INDICATORS	Available optical or electric version
IP	INTAKE PROTECTION	Also suitable for protecting the inlet of RELIEF VALVE VRL.
MC	PRESSURE GAUGE	For reading the pressure at the discharge. It is installed directly on VALVE HOLDER PV and via adapter (G1/4" - G1/8") on the silencer housing.
MP	HOSE SLEEVE	It replaces THREADED FLANGE TF for use of flexible sleeve FM.
MV	VACUUM GAUGE	For reading the inlet pressure. It is installed directly on VALVE HOLDER PV and via adapter (G1/4" - G1/8") on the silencer housing.
NP	PIPE NIPPLE	Fitting for direct connection of the FV filters to the blower
PK	HOSE SLEEVE	For using FLEXIBLE SLEEVE FM without the silencer housing.
PV	VALVE HOLDER PV	For using RELIEF VALVE VRL and for fitting to the blower via THREADED FLANGE TF (GAS) or via FLEXIBLE SLEEVE FM.
RV	VACUUM BREAKER VALVE	For installing on a derivation of the plant to limit the pressure at the blower inlet.
SB	SOUNDPROOF CABINET BASE	Soundproof cabinet base for model SC9, SC10
SC	SOUNDPROOF CABIN	On models SC5, SC6, SC8 fixing of the blower and connection via internal kit included is foreseen. Fixing of cabins to the floor is not foreseen. The remaining models have an open bottom and are arranged for fixing to the floor.
SI	IN LINE SUPPLEMENTARY SILENCER	For installing directly on THREADED FLANGE TF (GAS) with atmospheric pressure.
SS	FINAL SUPPLEMENTARY SILENCER	For installing directly on THREADED FLANGE TF at the discharge with atmospheric pressure.
TF	THREADED FLANGE	Supplied as standard on all blowers.
TR	SECTION	FILTER FA and FL accessory (spare for FILTER FL).
VC	NON-RETURN VALVE	Supplied separately and for installing on the plant duct.
VM	BALL VALVE	Supplied separately and for installing in branch to the main pipe
VN	GATE VALVE	Supplied separately and for installing in branch to the main pipe
VLA	RELIEF VALVE	For installing on a derivation of the plant to limit the pressure at the blower discharge.
VK	FLANGE VK	For installing RELIEF VALVE VRL replacing the blind flange on the main components of the blower.
VRL	RELIEF VALVE	For fitting directly to the blower via VALVE HOLDER PV or via FLANGE VK.

For more information and details, see the data sheet of the individual accessories in this document.

Sizes in [mm] - NOT BINDING

GENERAL TABLE OF ACCESSORIES for BLOWERS type MS / MD

	MS						MD					
	06R	K03	K04	K05 K06	e07 K75 e08	e09 e10 e11 e12	15DH	R20 R30	R40	e07 e08	e09 e10	e11 e12
Ø	1"	1" 1/4	1" 1/2	2"	3"	4"	3/4"	1" 1/4	2"	4"		
DN	25	32	40	50	80	100	20	32	50	100		
CA	N.A.	4K ⁽¹⁾	5K ⁽²⁾	6V	8	9 9L ⁽⁹⁾	N.A.	4V	4K ⁽¹⁾	6V	9 9L ⁽⁹⁾	
CD	-	-	5	6	8	9	-	-	6	9		
CF	4	4	5	6	8	9	4	4	6	9		
CK	N.A.	-	5	6	8	9	N.A.	N.A.	N.A.	N.A.		
CL	-	-	5	6	8	9	-	-	6	9		
CV	-	-	5	6	6	9	-	-	6	9		
FA	-	4	5	6	8	9	-	4	6	9		
FC	-	-	5	6	8	9	-	-	6	9		
FD	-	-	5	6	8	9	-	-	6	9		
FL	3	4	5	6	8	9	2	4	6	9		
FM	3	4	5	6	8	9	2	4	6	9		
FS/FSD	-	-	5	6	8	9	-	-	6	9		
FV	-	4	5	6	8	9	-	4	6	9		
IH	-	1 ⁽¹⁾	3 ⁽²⁾	5	-	-	-	4 ⁽¹⁾	-	-		
IN	-	-	50	50	50	50	-	-	50	50		
IP	-	4 6 ⁽⁴⁾	5 6 ⁽⁴⁾	6	6 ⁽⁴⁾ 8	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	-	4 6 ⁽⁴⁾	6	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9		
MC	040	040	040	040	040	040	040	040	050	050		
MP	3	4V	5V	6	8	9	2	4V	6	9		
MV	020	020	020	020	020	020	020	020	020	020		
NP	-	4	5	6	8	9	-	4	6	9		
PK	N.A.	-	5	6	8	9	N.A.	N.A.	6A	9		
PV	-	56 ⁽³⁾⁽⁷⁾	56	66	86 ⁽⁴⁾ 88	96 ⁽⁴⁾ 98 ⁽⁵⁾ 99	-	56 ⁽³⁾⁽⁷⁾	66	96 ⁽⁴⁾ 98 ⁽⁵⁾		
RV	3 ⁽⁸⁾	-	-	-	-	-	3 ⁽⁸⁾	-	-	-		
SC	-	-	-	-	8M-1	9M-1	-	-	6M-2	9M-1		
SI	-	4	5	6	8	9	-	4	6	9		
SS	-	4	5	6	8	9	-	4	6	9		
TF	-	4V	5V	6	8	9	-	4V 5V ⁽³⁾	6	9		
TR	-	4	5	6	8	9	-	4	6	9		
VC	3	4	5	6	8	9	2	4 5 ⁽⁴⁾	6	9		
VLA	3 ⁽⁸⁾	-	-	-	-	-	3 ⁽⁸⁾	-	-	-		
VK	N.A.	N.A.	5	6	6A ⁽⁴⁾ 8	9	N.A.	N.A.	6A ⁽⁶⁾	9 ⁽⁶⁾		
VRL	-	6	6	6	6 8	6 8 9	-	6	6 6HP	6 6HP	6 6HP 8	

- (1) Manifold CA4V is also suitable if installation in soundproof cabin IH is foreseen
(2) Manifold CA5V is also suitable if installation in soundproof cabin IH is foreseen.
(3) The use of valve VRL6 is required
(4) Necessary if valve VRL6 is used
(5) Necessary if valve VRL8 is used
(6) Applicable only at the inlet for blowers K-MD
(7) It's necessary to use the reduction 25RID-FM54
(8) Accessory to be installed on the system
(9) Necessary if soundproof cabinet is used

Sizes in [mm] - NOT BINDING

GENERAL TABLE OF ACCESSORIES for BLOWERS type TS/TD

	TS				TD				
	K05-66	K05 K06	e07 e08	e09 e10 e11 e12	K04	K05 K06	e07 e08	e09 e10	e11 e12
Ø	2"	3"	4"	5"	1" 1/2	2"	3"	4"	
DN	50	80	100	125	40	50	80	100	
CA	6V	8	9 9L ⁽⁹⁾	10	N.A.	N.A.	N.A.	N.A.	
CD	6	8	9	-	5	6	8	9	
CF	6	8	9	9	5	6	8	9	
CK	6	8	9	10	N.A.	N.A.	N.A.	N.A.	
CL	6	8	9	-	5	6	8	9	
CV	6	6	9	10	5	6	6	9	
FA	6	8	9	10	5	6	8	9	
FC	6	8	9	-	5	6	8	9	
FD	6	8	9	-	5	6	8	9	
FL	6	8	9	10	5	6	8	9	
FM	6	8	9	10	5	6	8	9	
FS/FSD	6	8	9	-	5	6	8	9	
FV	6	8	9	10	5	6	8	9	
IN	50	50	50	50	50	50	50	50	
IP	6	6 ⁽⁴⁾ 8 ⁽⁵⁾	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	9	5 6 ⁽⁴⁾	6	6 ⁽⁴⁾ 8	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	
MC	040	040	040	040	040	040	040	050	
MP	6	8	9	10	5V	6	8	9	
MV	020	020	020	020	020	020	020	020	
NP	6	8	9	-	5	6	8	9	
PK	6	8 ⁽⁹⁾	9 ⁽⁹⁾	9	5	6	8	9	
PV	66	86 ⁽⁴⁾ 88	96 ⁽⁴⁾ 98 ⁽⁵⁾ 99	109	56	66	86 ⁽⁴⁾ 88	96 ⁽⁴⁾ 98 ⁽⁵⁾	96 ⁽⁴⁾ 98 ⁽⁵⁾ 99
RV	-	-	-	-	-	-	-	-	
SC	6M-3	8M-1	9M-1	10M	5M-2	6M-3	8M-2	9M-2	
SI	6	8	9	-	5	6	8	9	
SS	6	8	9	-	5	6	8	9	
TF	6	8	9	10	5V	6	8	9	
TR	6	8	9	10	5	6	8	9	
VC	6	8	9	10	5	6	8	9	
VLA	-	-	-	-	-	-	-	-	
VK	6	6 8 ⁽¹⁰⁾	6A ⁽⁴⁾ 8 ⁽⁵⁾ 9 ⁽¹⁰⁾	9	N.A.	N.A.	N.A.	N.A.	
VRL	6	6 8	6 8 9	9	6	6	6 6HP 8	6 6HP 8	6 8 9

- (4) Necessary if valve VRL6 is used
 (5) Necessary if valve VRL8 is used
 (9) Necessary if soundproof cabinet is used
 (10) It's also necessary to use the TS manifold

Sizes in [mm] - NOT BINDING

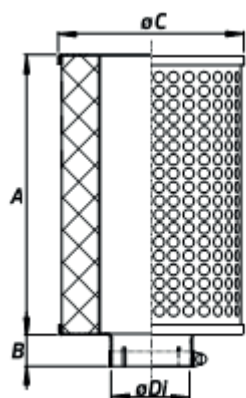
SUCTION FILTER FOR INTERIORS - FA

Standard version: filter element in paper.

- Filter complete with connector clamp.

Available on request:

- Section in PVC, Model "TR4 ÷ TR10"
- Other filter elements with different degrees of filtration (see table below)
- Manifold with wide-radius curve "CA" type for use of filter vertically (applicable for MOR/GOR blowers)

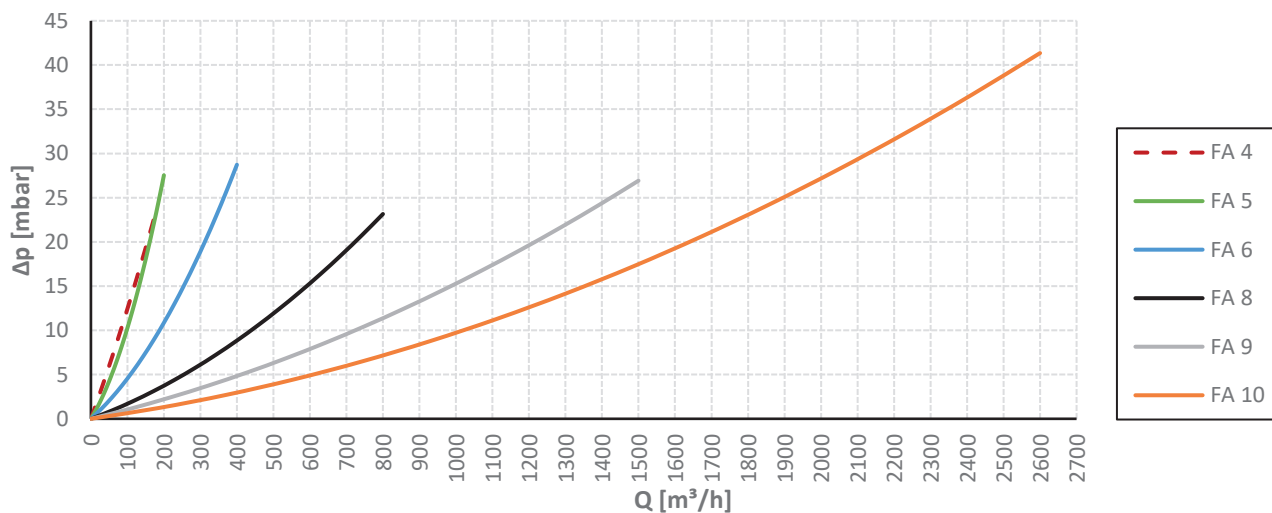


DIMENSIONS (FA)								
FILTER	Model	DN	A	B	øC	øDi	FLOW RATE Δp 20 mbar (m³/h)	Weight (kg)
	FA 4	32	125	11	125	42	150	0,63
	FA 5	40	214	11	150	48.5	160	1,04
	FA 6	50	214	15	150	61.5	310	1,00
	FA 8	80	150	16	201.5	91	720	1,38
	FA 9	100	160	22	256	114	1200	2,27
	FA 10	125	160	28	256	141	1600	2,20

(*) – Standard version filter dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10

FA



Flow rates detected with paper filter

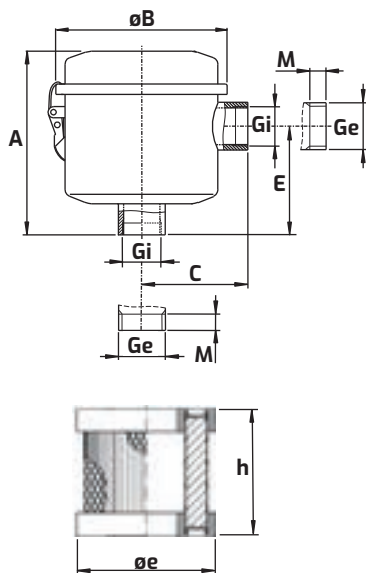
IN LINE CARTRIDGE FILTER - FV

Standard version: filter element in paper.

- Container in painted steel with GAS threaded sleeves.

Available on request:

- other filter elements with different degrees of filtration (see table below)



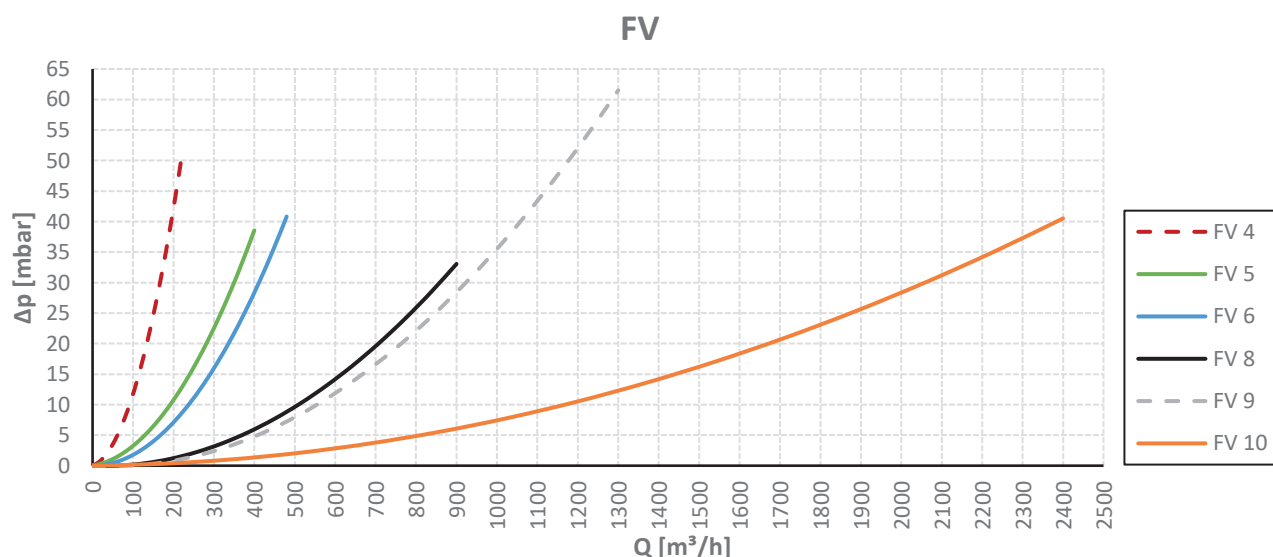
DIMENSIONS (FV)

FILTER	Model	DN	A	øB	C	E	Gi	Ge	M	FLOW RATE Δp 20 mbar (m³/h)	Weight (kg)
	FV 4	32	99.5	135	77.5	52	G 1" 1/4	-		130	1,01
	FV 5	40	180	172	100	105	G 1" 1/2	-	-	280	2,10
	FV 6	50	256	201.5	115	131	G 2"	-	-	330	4,65
	FV 8	80	285	201.5	112	160	G 3"	-	-	700	3,44
	FV 9	100	325	304	200	200	G 4"	-	-	750	7,15
	FV 10	125	690	470	265	495	-	G 5"	40	1670	54,00

CARTRIDGE	Model	FILTER	øe	h	Weight * (kg)
	CV 4	FV 4	98	71	0,15
	CV 5	FV 5	127	155	0,53
	CV 6	FV 6 / FV 8	150	215	0,87
	CV 9	FV 9	224	280	0,50
	CV 10	FV 10	250	240	1,60

(*) – Standard version filter/cartridge dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10
Stainless steel	60



Flow rates detected with paper filter.

SUCTION CARTRIDGE FILTER - FL

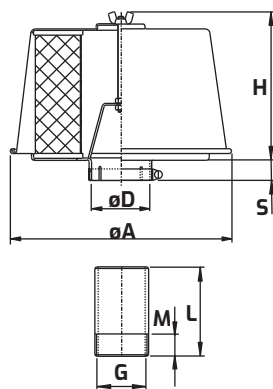
Standard version: filter element in paper.

- Complete with painted steel cover to protect the filter element from atmospheric agents.
- Clamp and section in PVC for mounting, supplied.

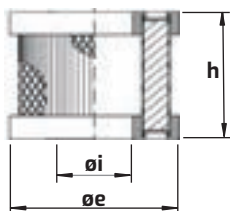
Available on request:

- other filter elements with different degrees of filtration (see table below)
- Manifold with wide-radius curve "CA" type for use of filter vertically (applicable for MOR/GOR blowers)

DIMENSIONS (FL)



FILTER	Model	DN	øA	øD	H	S	G	L	M	FLOW RATE Δp 20 mbar [m³/h]	Weight [kg]
	FL 1	15	82	21.5	71	21	G 1/2"	100	15	19	0,20
	FL 2	20	150	27	107	22	G 3/4"	130	15	50	0,60
	FL 3	25	150	34	107	16	G 1"	140	15	75	0,62
	FL 4	32	150	43	107	17	G 1" 1/4	200	15	120	0,61
	FL 5	40	203	48.5	153	14	G 1" 1/2	200	15	140	1,32
	FL 6	50	220	61.5	159	17	G 2"	200	15	250	1,56
	FL 8	80	290	89.5	184	35	G 3"	200	20	680	2,60
	FL 9	100	410	115.5	335	35	G 4"	200	20	1330	6,75
	FL 10	125	410	141	335	35	G 5"	200	30	1620	6,70



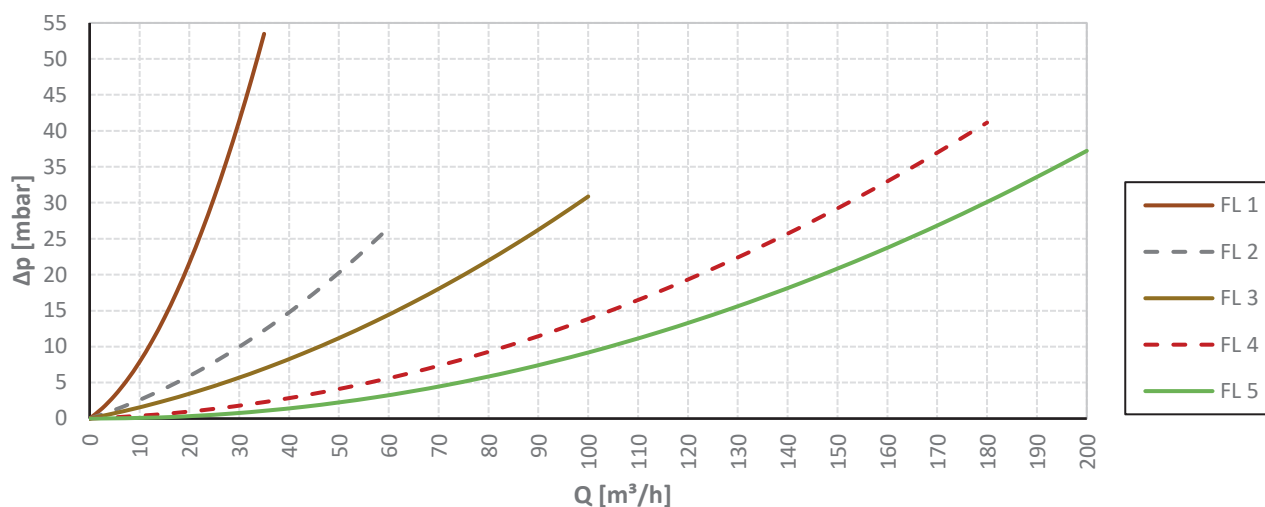
CARTRIDGE	Model	FILTER	øe	øi	h	Weight * [kg]
	CF 1	FL 1	55	25	54	0,05
		FL 2				
	CF 4	FL 3	108	55	82	0,20
		FL 4				
	CF 5	FL 5	147	80	135	0,43
	CF 6	FL 6	176	80	135	0,60
	CF 8	FL 8	225	100	155	1,00
	CF 9	FL 9	300	215	303	1,90
		FL 10				

(*) – Standard version filter/cartridge dimensions and characteristic data

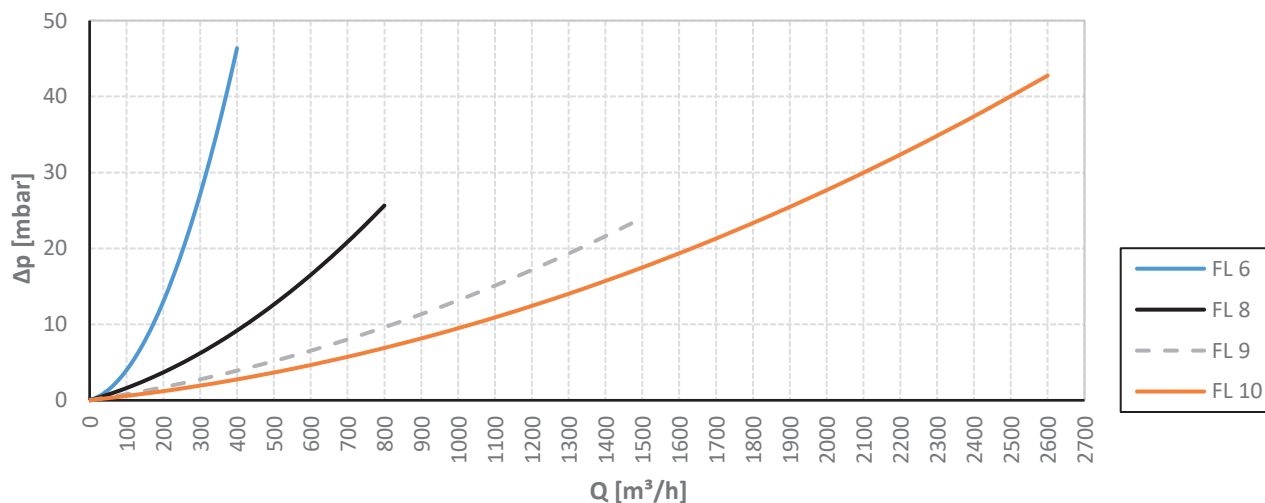
Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10
Stainless steel	60

Sizes in [mm] - NOT BINDING

FL1 - FL2 - FL3 - FL4 - FL5



FL6 - FL8 - FL9 - FL10



Flow rates detected with paper filter

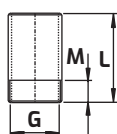
SECTION (for "FA / FI" FILTERS) – TR

Section in PVC

Operating temperature: -20/+40 °C (-5 ÷ +105 °F).

- Available as a replacement for Model "FL" filters
- Available as on request for Model "FA" filters

DIMENSIONS (TR)



SECTION	Model	DN	G	L	M	Weight [kg]
	TR 1	15	G 1/2"	100	15	0.02
	TR 2	20	G 3/4"	130	15	0.04
	TR 3	25	G 1"	140	15	0.06
	TR 4	32	G 1" 1/4	200	15	0.14
	TR 5	40	G 1" 1/2	200	15	0.16
	TR 6	50	G 2"	200	15	0.22
	TR 8	80	G 3"	200	20	0.39
	TR 9	100	G 4"	200	20	0.50
	TR 10	125	G 5"	200	30	1.23

Sizes in [mm] - NOT BINDING

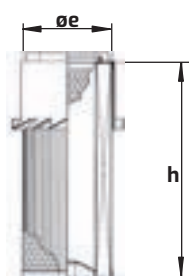
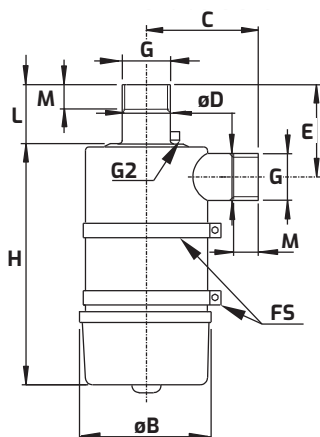
IN LINE CARTRIDGE CYCLONE FILTER - FC

Standard version: filter element in paper.

- Container in painted steel with GAS threaded sleeves
- The shape of the filter and a finned insert in plastic material ensure a high cyclonic effect, preserving the filter element.

Available on request:

- other filter elements with different degrees of filtration (see table below)
- "FS" brackets for rigid fixing.



DIMENSIONS (FC)

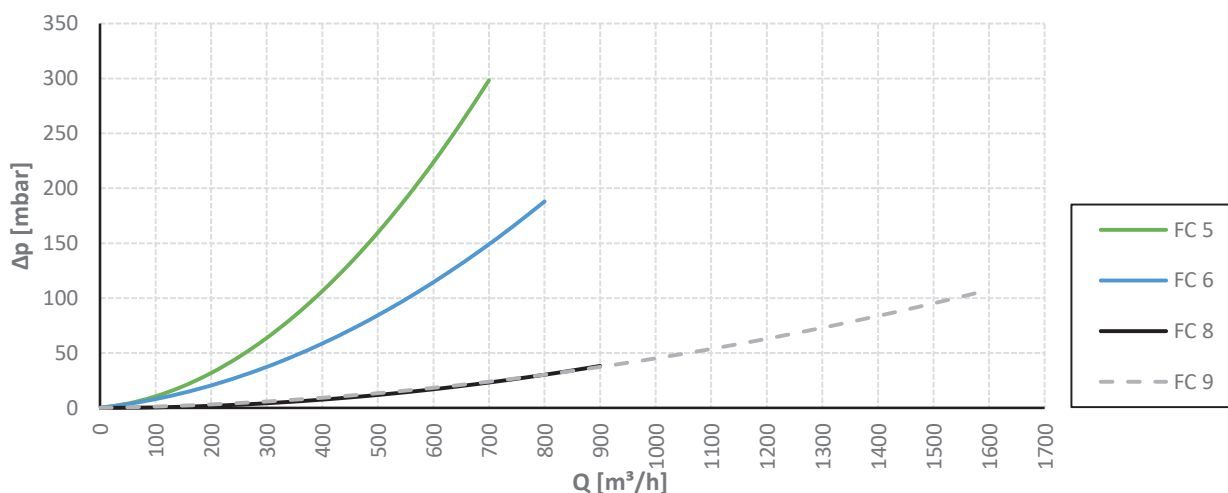
	Mod	DN	øB	C	øD	E	G	G2	H	L	M	FLOW RATE Δp 20 mbar (m³/h)	Weight (kg)
FILTER	FC 5	40	146	131.5	48	129.5	G 1" 1/2	G 1/8" M	304.5	90.5	25	150	2,37
	FC 6	50	178	154.5	60	141.5	G 2"	G 1/8" M	332.5	98.5	22	200	3,39
	FC 8	80	220	160	88	171.5	G 3"	G 1/8" M	444	108.5	22	650	5,24
	FC 9	100	276	230	114	208	G 4"	G 1/8" M	484	135	22	630	9,14

	Model	FILTER	øe	h	Weight * (kg)
CARTRIDGE	CL 5	FC 5	104	264	0.51
	CL 6	FC 6	134	290	0.93
	CL 8	FC 8	155	395	1.50
	CL 9	FC 9	202	421	2.11

(*) – Standard version filter/cartridge dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10

FC



Flow rates detected with paper filter

Sizes in [mm] - NOT BINDING

CARTRIDGE CYCLONE DOUBLE FILTER – FD

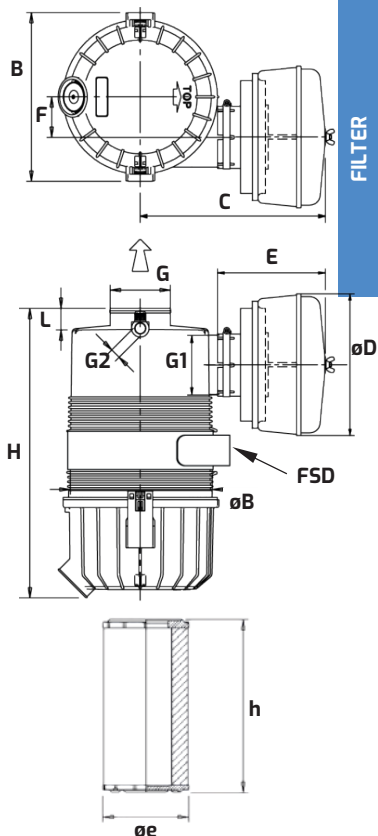
Standard version: filter element in paper, Nominal degree of filtration 25 µm.

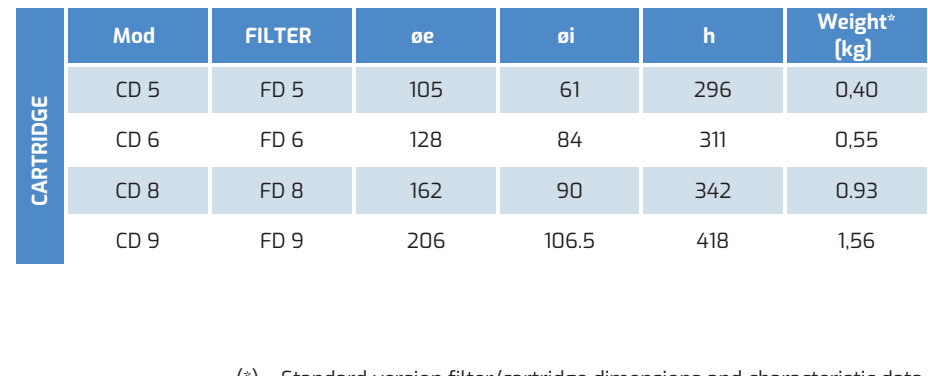
- Plastic Container
- Conformation of the filter with tangential inlet from the environment
- With cyclone precleaner, than through the centrifugal deflectors system achieves a first step of separation dust until 75-85%

Available on request:

- "FSD" brackets for rigid fixing.

DIMENSIONS (FD)

	Mod	DN	B	øB	C	øD	E	F	G	G1	G2	H	L	FLOW RATE Δp 20 mbar (m³/h)	Weight (kg)
	FD 5	40	180	146	205	143	135	45	51	51	G1/8" M	340	25	160	1,75
	FD 6	50	207	175	216	143	135	54	63.5	63.5	G1/8" M	359	28	235	1,95
	FD 8	80	247	212	295	270	191	56	89	95	G1/8" M	397	25	400	2,93
	FD 9	100	302	268	336	270	191	75	101	114	G1/8" M	486	41	600	4,42

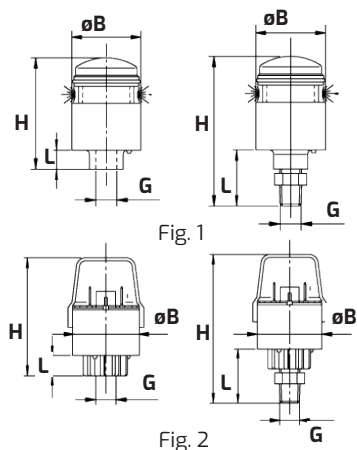
	Mod	FILTER	øe	øi	h	Weight* (kg)
	CD 5	FD 5	105	61	296	0,40
	CD 6	FD 6	128	84	311	0,55
	CD 8	FD 8	162	90	342	0,93
	CD 9	FD 9	206	106.5	418	1,56

(*) – Standard version filter/cartridge dimensions and characteristic data

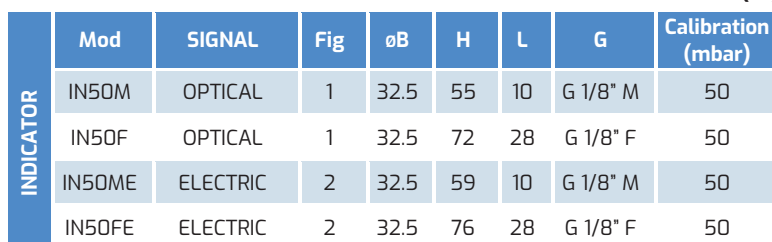
DUST LOAD INDICATORS (for filter "FD") – IN

The optical / electrical clogging indicators indicate when the maintenance of the air filter is recommended, to protect and optimize the functionality of the filter. IP44 with Female thread for FD filter

Available with Male thread (Installation of filter FA-FL by customer care)



DIMENSIONS (IN)

	Mod	SIGNAL	Fig	øB	H	L	G	Calibration (mbar)
	IN50M	OPTICAL	1	32.5	55	10	G 1/8" M	50
	IN50F	OPTICAL	1	32.5	72	28	G 1/8" F	50
	IN50ME	ELECTRIC	2	32.5	59	10	G 1/8" M	50
	IN50FE	ELECTRIC	2	32.5	76	28	G 1/8" F	50

(*) - electrical contact normally open

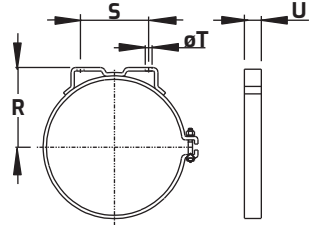
Sizes in [mm] - NOT BINDING

BRACKET (for filter "FC/ FD") – FS / FSD

Galvanised metal bracket for rigid fixing

- Filter accessory for rigid fixing

DIMENSIONS (FS/FSD)



Mod	FILTER	R	S	T	U
FS 5	FC 5	80	79	13x9	20
FSD 5	FD 5	90	80	Ø9	50
FS 6	FC 6	100	95	13x9	22
FSD 6	FD 6	102	90	Ø9	50
FS 8	FC 8	120	107	13x9	25
FSD 8	FD 8	120	110	Ø9	50
FS 9	FC 9	146	127	Ø11.5	32
FSD 9	FD 9	148	127	11	80

MANIFOLD - CA (for "FA /FL" filters)

90° manifold in PVC with wide-radius curve, flanged end for fixing to the blower and smooth terminal for filter.

Operating temperature: -20/+40 °C (-5 ÷ +105 °F).

DIMENSIONS (CA)

Model	DN	A	B	øD	I	M	R	S	γ	Fig.	Weight [kg]
CA 4	32	220	90	42	75	7	80	15	30°	1	0.22
CA 4V	32	220	90	42	64	7	80	15	-	2	0.22
CA 4K	32	260	160	42	64	7	80	15	-	2	0.32
CA 5	40	260	110	48	85	7	100	15	45°	1	0.43
CA 5V	40	260	110	48	75	7	100	15	-	2	0.43
CA 5K	40	300	180	48	75	7	100	15	-	2	0.55
CA 6	50	320	135	60	85	7	126	15	45°	1	0.73
CA 6V	50	320	135	60	85	7	126	15	-	2	0.73
CA 8	80	380	185	88.5	120	7	180	15	-	3	1.60
CA 9	100	400	235	113.9	150	9	220	20	-	3	3.14
CA 9L	100	400	345	113.9	150	9	220	20	-	3	2,67
CA 10	125	450	300	140	210	18	280	20	-	3	5.88

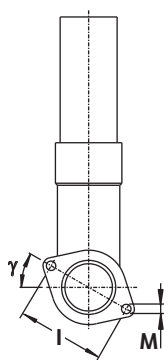
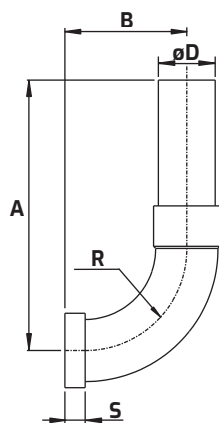


Fig. 1

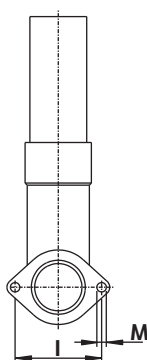


Fig. 2

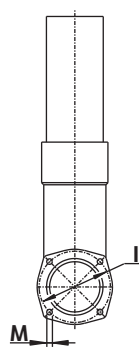


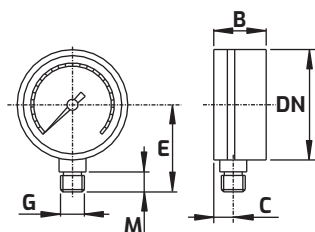
Fig. 3

Sizes in [mm] - NOT BINDING

PRESSURE GAUGE/VACUUM GAUGE – MC / MV

Pressure gauge built according to UNI EN 837.1 - BLACK painted metal case - IP55 - Cylindrical radial connection (ISO 228) - Dial in aluminium, white background

Operating values: Operating temperature -10°C to + 60°C
Overpressure: 25% (according to EN837.1)



DIMENSIONS (MC/MV)

Model	Δp mbar	ACCURACY	DN	B	C	E	G	M	Weight (g)
MC 040	0 ÷ 600	1.6%	63	27	10	54	G 1/4"	13	99
MC 050	0 ÷ 1000	1.6%	63	27	10	54	G 1/4"	13	99
MV 020	-600 ÷ 0	1.6%	63	27	10	54	G 1/4"	13	99

FLEXIBLE SLEEVE

Features:

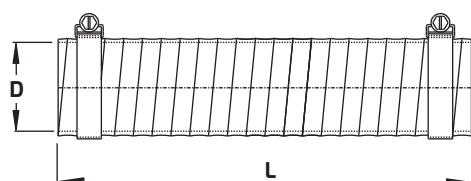
- Extremely flexible - Smooth internally - Resists twisting - Good chemical resistance - Steel spring solidly embedded in the fabrics

Structure:

- Tube wall: neoprene-coated double fiberglass fabric - Spiral: steel wire spring - Reinforcement: double hollow in fiberglass

Supplied with pair of clamps.

Operating temperature (continuous): -35 ÷ +135 °C (-31 ÷ +275 °F).



DIMENSIONS (FM)

Model	DN	D	L
FM 1	15	22	200
FM 2	20	30	200
FM 3	25	32	200
FM 4	32	45	200
FM 4C	32	45	110
FM 5	40	51	250
FM 5C	40	51	130
FM 6	50	64	250
FM 6C	50	64	135
FM 8	80	90	330
FM 9	100	114	330
FM 10	125	140	330

CHARACTERISTIC DATA (FM)

Model	min. radius of curvature (mm)	max. pressure (bar)	max. negative pressure (mbar)	Weight (g)
FM 1	15	2.8	650	60
FM 2	15	2.8	650	65
FM 3	16	2.6	650	90
FM 4	21	2.6	560	135
FM 4C	21	2.6	560	85
FM 5	24	2.6	520	180
FM 5C	24	2.6	520	100
FM 6	31	2.4	480	200
FM 6C	31	2.4	480	120
FM 8	44	2.0	400	250
FM 9	57	1.6	290	370
FM 10	70	1.3	190	400

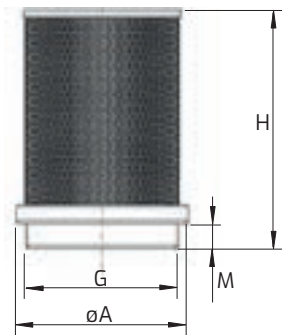
Sizes in [mm] - NOT BINDING

INTAKE PROTECTION - IP

Filter for VRL.

Stainless steel mesh and polymer threaded sleeve.

Available with NPT thread only for sizes DN80 and DN100.



DIMENSIONS (IP)

Model	DN	øA	G	H	M	Degree of filtration	Weight (g)
IP4	32	50	G 1" 1/4	75	10	1200 µm	38
IP5	40	56	G 1" 1/2	83	11	1200 µm	47
IP6	50	69	G 2"	98	13	1200 µm	70
IP8	80	102	G 3"	138	15	2000 µm	194
IP8 N	80	102	3" NPT	138	15	2000 µm	194
IP9	100	129	G 4"	153	16	2000 µm	300
IP9 N	100	129	4" NPT	153	16	2000 µm	300

HOSE SLEEVE - MP

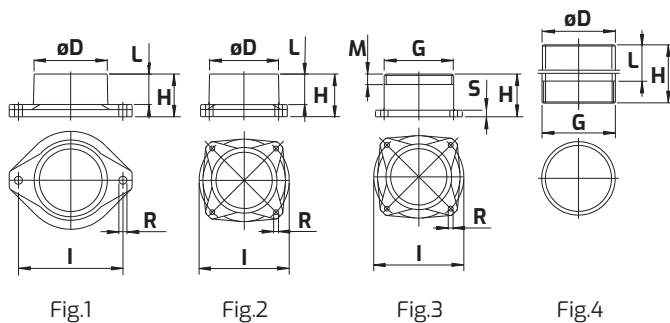
Flange with hose collar in aluminium alloy or steel.

Its use replaces the threaded flange on the silencer housing. (the only exception is the sleeve as in fig.4).

Sleeves MP 1, MP 2, MP 9 are installed on the respective threaded flange.

DIMENSIONS (MP)

Model	DN	øD	G	H	I	L	M	R	S	Fig.	Weight (kg)
MP 1	15	21	G 1/2"	100	-	85	-	-	-	4	0.10
MP 2	20	27	G 3/4"	100	-	85	-	-	-	4	0.12
MP 3	25	32	-	35	54.5	25	-	6.5	-	1	0.06
MP 4	32	42	-	35	75	25	-	6.5	-	1	0.07
MP 4V	32	42	-	35	64	25	-	6.5	-	1	0.07
MP 5	40	48	-	35	85	25	-	6.5	-	1	0.10
MP 5V	40	48	-	35	75	25	-	6.5	-	1	0.10
MP 6	50	60	-	35	85	25	-	6.5	-	1	0.12
MP 8	80	88	-	45	120	32	-	6.5	-	2	0.24
MP 9	100	114	G 4"	100	-	80	-	-	-	4	0.88
MP 10	125	140	-	62	210	52	-	17	-	2	2.40
MP 10 G	125	-	G 5"	62	210	-	35	17	10	3	2.40
MP 10 N	125	-	5" NPT	62	210	-	35	17	10	3	2.40



Sizes in [mm] - NOT BINDING

HOSE FLANGE FOR BLOWER K/e - PK

Flange in aluminium alloy with hose collar, also available painted RAL 7016.

Supplied with mounting kit (gasket and screws plus wrench).

Allows the connection of K/e series blowers to the system, without the use of the silencer housing as specified below:

- blower K/e-MS/TS/TD applicable in delivery and in suction;
- blower K-MD applicable only on the cover in suction

DIMENSIONS (PK)

Model	DN	øD	H	I	L	R	S	Fig.	Weight (g)
PK 5	40	48	30	92	20	6.5	10	1	90
PK 6	50	60	50	110	35	8.5	10	1	270
PK 6A	50	60	60	130	35	9	11	2	335
PK 8	80	88	43	130	24	9	11	2	300
PK 9	100	113	46	150	27	9	11	2	385

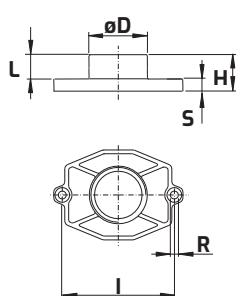


Fig. 1

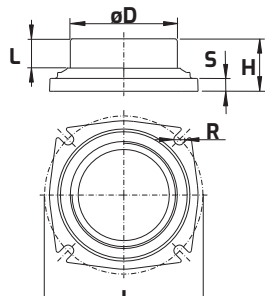
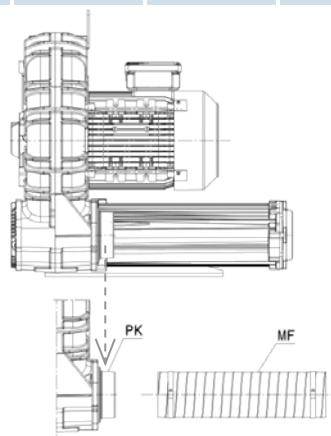


Fig. 2



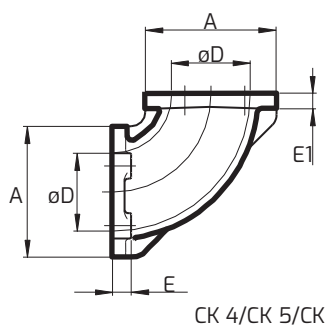
MANIFOLD - CK

90° manifold in aluminium alloy applicable on K/e series blowers, also available painted RAL 7016.

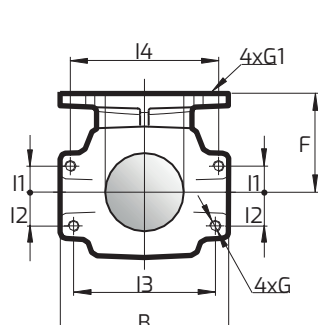
Supplied with mounting kit (gasket and screws plus wrench).

DIMENSIONS (CK)

Model	DN	A	B	øC	øD	E	E1	F	4xG	4xG1	I	I1	I2	I3	I4	Weight (kg)
CK 5	40	80	100	-	43	11.5	7.0	56	M6	7	-	17.6	17.6	85	85	0.50
CK 6	50	92	118	-	55	13.0	8.5	69	M8	9	-	18.3	23.8	99.4	104	0.70
CK 8	80	-	-	145	75	10.5	10.5	110	M8	9	130	-	-	-	-	1.37
CK 9	100	-	-	165	90	10.5	10.5	132	M8	9	150	-	-	-	-	1.77
CK 10	125	-	-	220	128	10.5	10.5	192	M8	9	190	-	-	-	-	3.82



CK 4/CK 5/CK 6



CK 8/CK 9/CK 10

Sizes in [mm] - NOT BINDING

VALVE HOLDER for valves VRL - PV

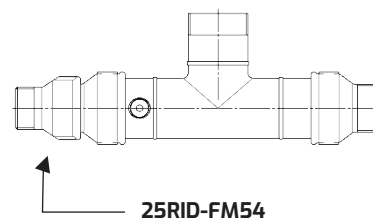
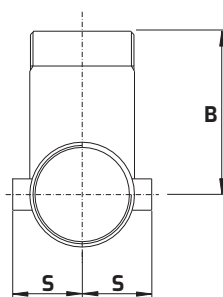
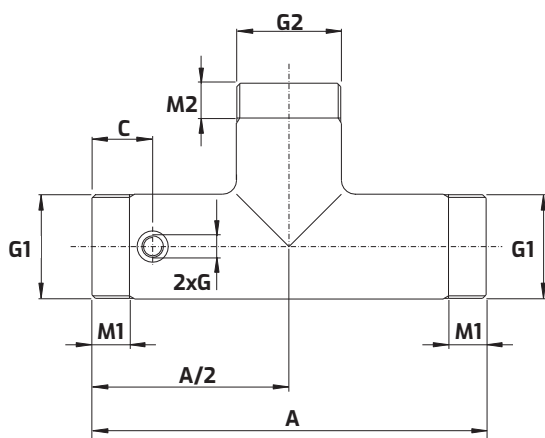
In AISI 304 stainless steel, end with GAS thread and complete with G1/4" hole for connecting pressure gauge MC or vacuum gauge MV. Installs directly onto the threaded flange of the blower (inlet and outlet).

Suitable for use of flexible sleeve MF.

Model PV 56 provides for 2 sleeves, in zinc plated cast iron, with Gas tapered male thread (Gc 1" 1/2) on both ends.

DIMENSIONS (PV)

Model	DN	A	B	C	2xG	G1	G2	M1	M2	S	Weight [kg]
PV 56	40	325	95	83	G 1/4"	G 1" 1/2	G 2"	15	21.5	40	1.73
PV 66	50	227	95	35	G 1/4"	G 2"	G 2"	21.5	21.5	40	0.85
PV 86	80	310	135	55	G 1/4"	G 3"	G 2"	28.0	21.5	54	1.85
PV 88	80	310	130	55	G 1/4"	G 3"	G 3"	28.0	28.0	54	1.99
PV 96	100	370	150	65	G 1/4"	G 4"	G 2"	31.5	21.5	67	2.64
PV 98	100	370	173	65	G 1/4"	G 4"	G 3"	31.5	28.0	67	3.00
PV 99	100	370	147	65	G 1/4"	G 4"	G 4"	31.5	31.5	67	2.80
PV 109	125	370	175	65	G 1/4"	G 5"	G 4"	31.5	31.5	80	4.20

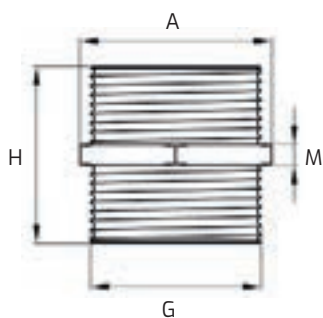


NIPPLO - NP

Galvanised barrel/pipe nipple fitting for direct connection of the FV filters to the blower.

Available with G (gas) thread only for the sizes specified in the table.

INGOMBRI (NP)



Mod	DN	A	G	H	M	Weight [kg]
NP4	32	48	G 1" 1/4	58	12,5	0,27
NP5	40	54	G 1" 1/2	60	11	0,28
NP6	50	70	G 2"	70	13,5	0,52
NP8	80	100	G 3"	84	14,5	1,13
NP9	100	130	G 4"	97	13,5	1,86

Sizes in [mm] - NOT BINDING

FLANGE for valves VRL - VK

In aluminium alloy with threaded end, GAS and NPT, also available painted RAL 7016.

Supplied with mounting kit (gasket and screws plus wrench).

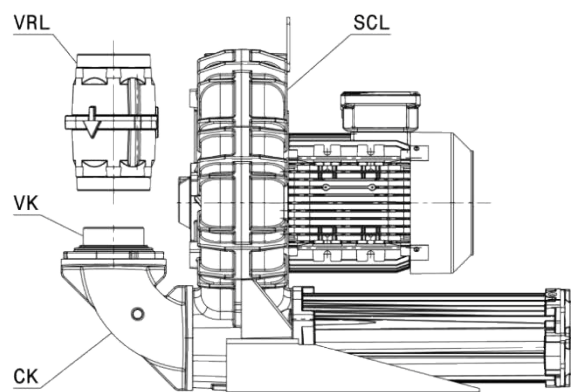
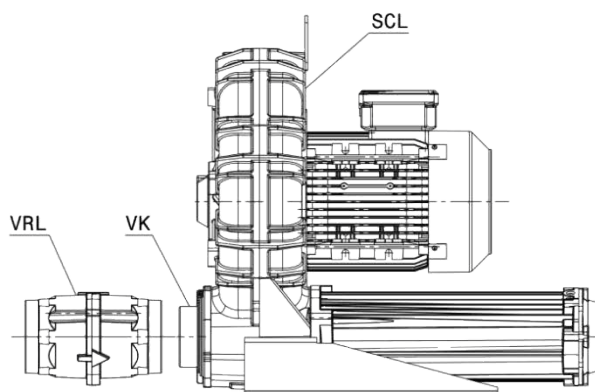
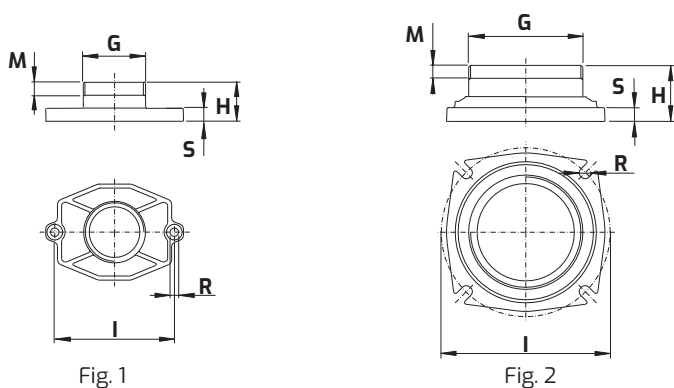
Allows the connection of valves VRL directly on the cover of K/e series blowers as specified below:

- blower K/e-MS/T5 applicable in delivery and in suction;
- blower K-MD applicable only in suction;
- blower K/e-TD not applicable.

Model VK 5G (native G 1" 1/2) including reduction in order to install valve VRL G 2"

DIMENSIONS (VK)

Model	DN	G	H	I	M	R	S	Fig.	Weight [g]
VK 5G	40	G 2"	47	92	17	6.5	10	1	310
VK 6G	50	G 2"	50	110	17	8.5	10	1	265
VK 6AG	50	G 2"	60	130	12	9	11	2	345
VK 8G	80	G 3"	43	130	10	9	11	2	290
VK 9G	100	G 4"	46	150	12	9	11	2	360
VK 5N	40	1" 1/2 NPT	30	92	15	6.5	10	1	85
VK 6N	50	2" NPT	50	110	24	8.5	10	1	265
VK 6AN	50	2" NPT	60	130	19	9	11	2	345
VK 8N	80	3" NPT	44	130	20	9	11	2	280
VK 9N	100	4" NPT	46	150	23	9	11	2	345

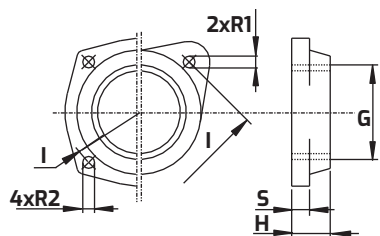


Sizes in [mm] - NOT BINDING

THREADED FLANGE - TF

In aluminium alloy and available with female thread, GAS and NPT, also available painted RAL 7016.
Supplied standard with blower.

DIMENSIONS (TF)



Model	DN	G	H	I	2xR1	4xR2	S	Weight [g]
TF 3 G	25	G 1"	18	54.5	6.5	-	10	47
TF 4 G	32	G 1" 1/4	18	75	6.5	-	10	95
TF 4V G	32	G 1" 1/4	18	64	6.5	-	10	50
TF 5 G	40	G 1" 1/2	18	85	6.5	-	10	130
TF 5V G	40	G 1" 1/2	18	75	6.5	-	10	80
TF 6 G	50	G 2"	18	85	6.5	-	10	100
TF 8 G	80	G 3"	25	120	-	6.5	13	200
TF 9 G	100	G 4"	25	150	-	9	13	285
TF 10 G	125	G 5"	35	210	-	17	13	770
TF 3 N	25	1" NPT	18	54.5	6.5	-	10	47
TF 4 N	32	1" 1/4 NPT	18	75	6.5	-	10	95
TF 4V N	32	1" 1/4 NPT	18	64	6.5	-	10	50
TF 5 N	40	1" 1/2 NPT	18	85	6.5	-	10	130
TF 5V N	40	1" 1/2 NPT	18	75	6.5	-	10	80
TF 6 N	50	2" NPT	18	85	6.5	-	10	100
TF 8 N	80	3" NPT	25	120	-	6.5	13	200
TF 9 N	100	4" NPT	25	150	-	9	13	285
TF 10 N	125	5" NPT	35	210	-	17	13	770

BALL VALVE / GATE VALVE - VM / VN

VM - Ball valve with lever handle in steel and body in nickel-plated brass.

VN - Gate valve with lever handle in steel and body in nickel-plated brass.

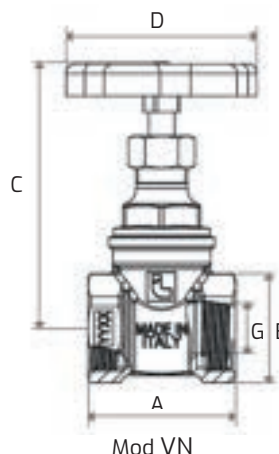
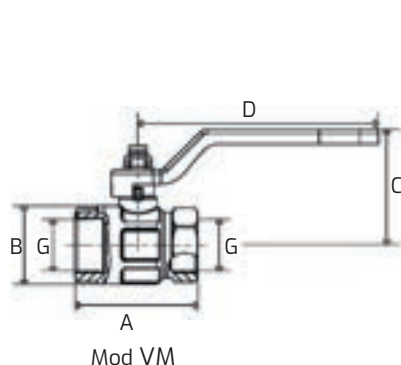
To be used in branch to the main pipe, to reduce the flow rate or the vacuum/pressure supplied to the user.

Do not use to directly throttle the flow generated by the blower.

If applied on the suction side, install a suitable filter to prevent the entry of foreign particles.

DIMENSIONS (VM/VN)

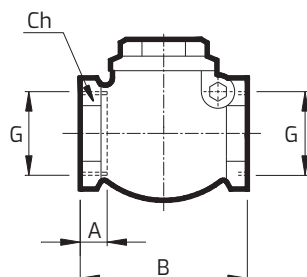
Mod	DN	A	B	C	D	G	Peso [kg]
VM 3	25	70	45.5	59	113	G 1"	0.42
VM 4	32	80.5	57	75	138	G 1" 1/4	0.68
VM 5	40	94.5	70	81	138	G 1" 1/2	1.03
VM 6	50	112.5	84	96	157.8	G 2"	1.63
VN 8	80	83	102.7	202.1	100	G 3"	
VN 9	100	100	132.4	236.9	120	G 4"	



NON-RETURN VALVE - VC

Valve body and metal parts in brass alloy. Shutter gasket: NBR only for Model VC 10
GAS female threaded connections
Min./Max. nominal operating pressure : 0.05 bar / 10 bar (6 bar for sizes G 3" and G 4")
Operating temperature: 0°C - +90°C

DIMENSIONS (VC)



Model	DN	A	B	G	Ch Hex	Weight (kg)
VC 1	15	8	47	G 1/2"	25	0.16
VC 2	20	8	53	G 3/4"	32	0.33
VC 3	25	10	63	G 1"	38	0.38
VC 4	32	10	74	G 1" 1/4	47	0.46
VC 5	40	10	87	G 1" 1/2	55	0.74
VC 6	50	11	97	G 2"	67	1.02
VC 8	80	16	135	G 3"	95	2.44
VC 9	100	20	164	G 4"	124	3.90
VC 10	125	22	206	G 5"	150	6.97

VACUUM/PRESSURE RELIEF VALVE - VRL

Designed for limitation in the range of low / negative pressures with minimum hysteresis (difference between cut-in value and adjusted value).

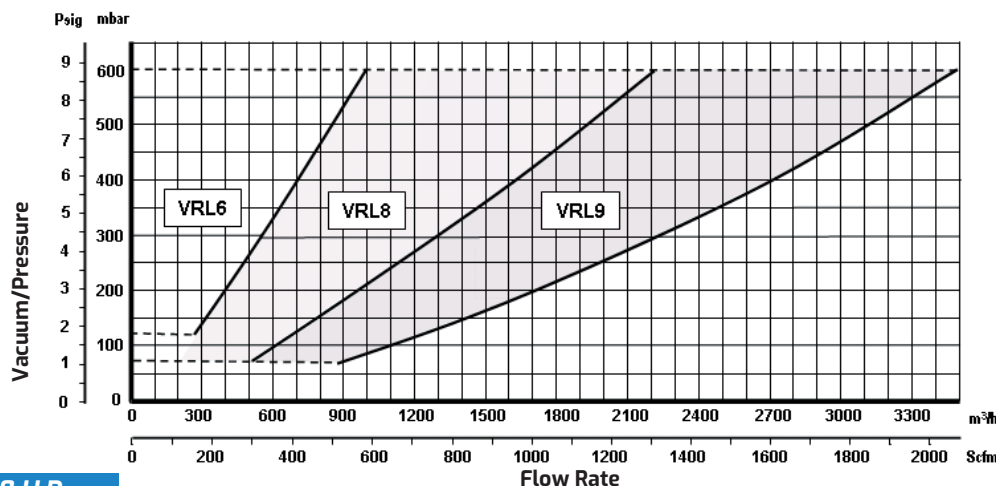
Featuring compact construction in aluminium alloy, easy to install and calibrate, they are suitable for a wide range of flows and offer the possibility of in-line mounting when conveying the secondary flow is required.

The valve kit provides for an additional spring with greater preload.

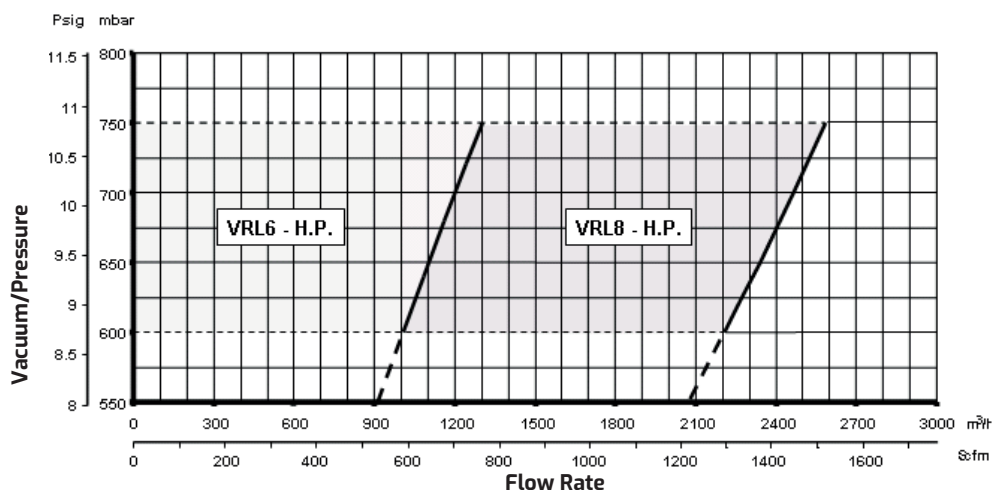
For correct use, consult the use and maintenance manual.

Tolerance on maximum Vacuum/Pressure $\pm 5\%$

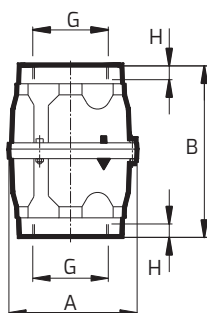
VRL6/VRL8/VRL9



VRL6/VRL8 H.P.



DIMENSIONS (VRL)



VALVE	Model	DN	A	B	G	H	Weight (kg)
	VRL 6 G	50	102	175	G 2"	12	0.89
	VRL 6HP G	50	102	175	G 2"	12	0.89
	VRL 8 G	80	135	190	G 3"	15	2.02
	VRL 8HP G	80	135	190	G 3"	15	2.02
	VRL 9 G	100	160	206	G 4"	18	2.81
	VRL 6 N	50	102	175	2" NPT	12	0.89
	VRL 6HP N	50	102	175	2" NPT	12	0.89
	VRL 8 N	80	135	190	3" NPT	15	2.02
	VRL 8HP N	80	135	190	3" NPT	15	2.02
	VRL 9 N	100	160	206	4" NPT	18	2.81

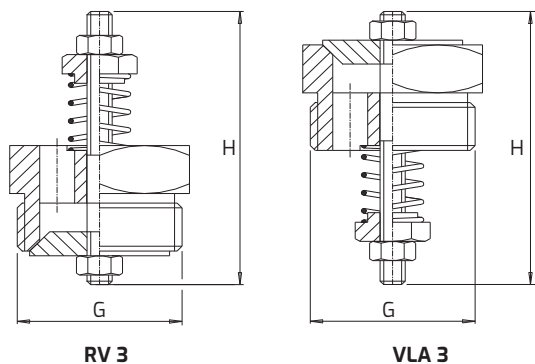
Flow diagram¹

	VACUUM/PRESSURE RELIEF VALVE closed	VACUUM/PRESSURE RELIEF VALVE open
SUCTION		
COMPRESSION		

VACUUM/PRESSURE RELIEF VALVE – RV / VLA

Valve body and plate in aluminium alloy. Available with GAS thread only.

DIMENSIONS (VLA/RV)



Model	DN	G	H	Weight (g)
RV 3	25	G 1"	57	70
VLA 3	25	G 1"	57	70

¹ Attention: For the correct reading of the value given on the pressure gauge/vacuum gauge, position the instrument between the silencer housing and the VRL

(*) See the relevant data sheet

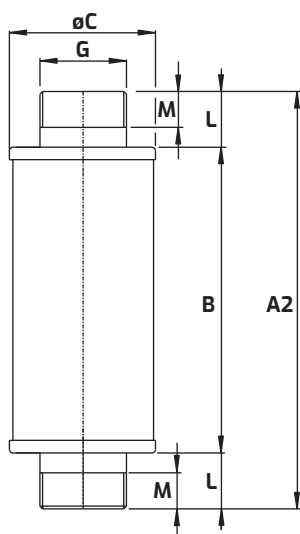
IN LINE SILENCER – SI

Suitable for fitting on the inlet pipe as well the outlet pipe under the following conditions:

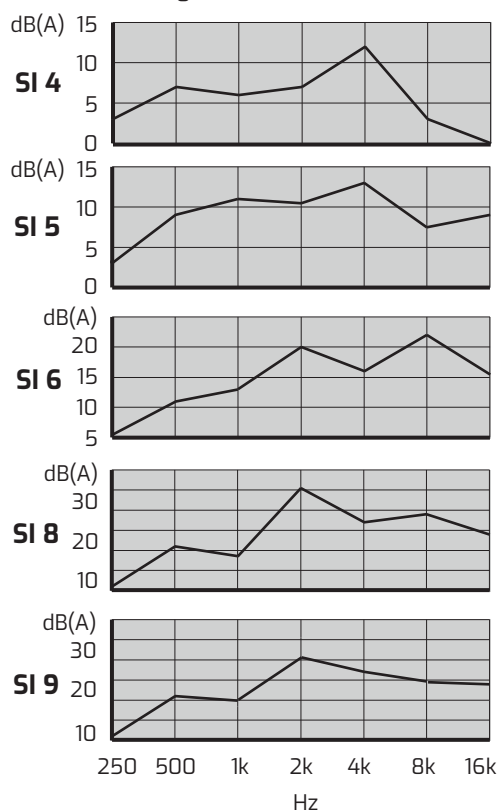
- Inlet installation allowed if the machine works as a blower (suction pressure equal to atmospheric pressure)
- Outlet installation allowed if the machine works as an exhauster (discharge pressure equal to atmospheric pressure)

In steel sheet (except SI9 and S59 entirely in aluminium alloy) with polyurethane sound-absorbing element, they reduce the noise of the conveyed flow by absorption.

In line silencer SI for in line mounting with GAS/NPT threaded sleeve at both ends.



Average indicative attenuation values



DIMENSIONS (SI)

Model	DN	A2	B	øC	G	L	M	Weight (kg)
SI 4	32	210	140	72.4	G 1" 1/4	35	20	0,83
SI 5	40	240	170	81.9	G 1" 1/2	35	22	1,06
SI 6	50	290	200	91.6	G 2"	45	25	1,5
SI 8	80	435	345	152.6	G 3"	45	30	3,56
SI 9	100	485	430	169	G 4"	27	20	3,90
SI 9 N	100	485	430	169	4" NPT	27	20	3,90

Sizes in [mm] - NOT BINDING

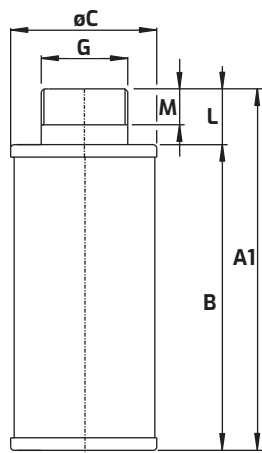
FINAL SILENCER - SS

Suitable for fitting on the inlet pipe as well the outlet pipe under the following conditions:

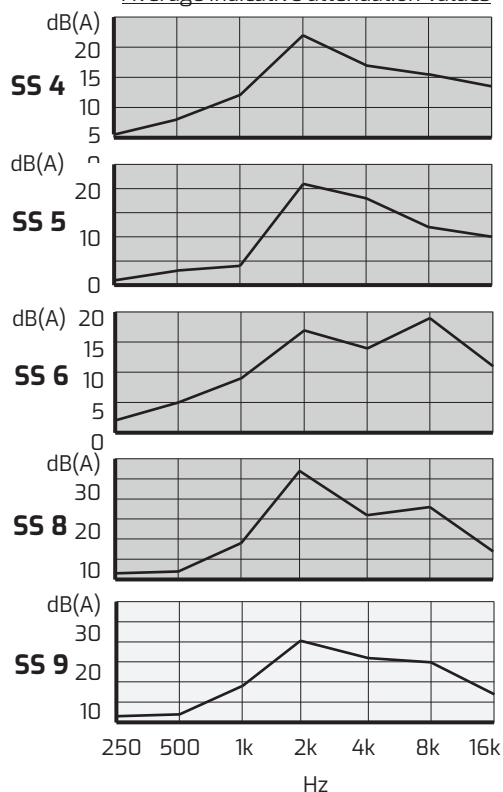
- Inlet installation allowed if the machine works as a blower (suction pressure equal to atmospheric pressure)
- Outlet installation allowed if the machine works as an exhauster (discharge pressure equal to atmospheric pressure)

In steel sheet (except S19 and S59 entirely in aluminium alloy) with polyurethane sound-absorbing element, they reduce the noise of the conveyed flow by absorption.

Final silencer SS for mounting at head of duct with GAS/NPT threaded sleeve to one end and opening to the atmosphere at other end.



Average indicative attenuation values



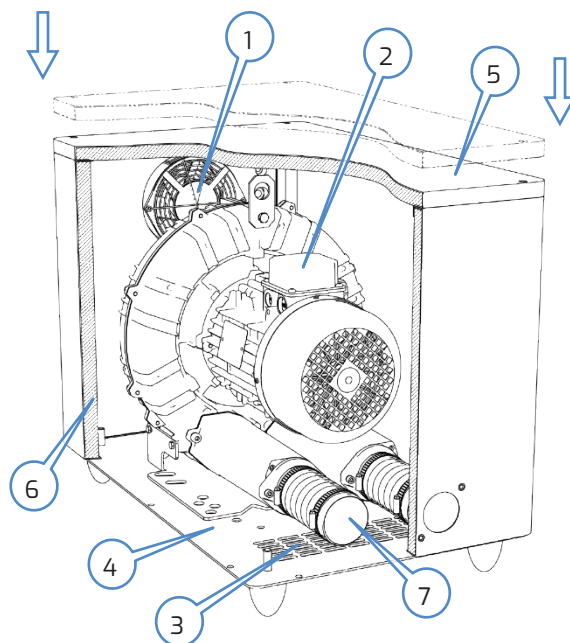
DIMENSIONS (SS)

Model	DN	A1	B	øC	G	L	M	Weight [kg]
SS 4	32	173	138	72.8	G 1" 1/4	35	20	0,66
SS 5	40	202	167	82.1	G 1" 1/2	35	20	0,89
SS 6	50	245	200	91.6	G 2"	45	25	1,26
SS 8	80	395	350	152.5	G 3"	45	30	3,19
SS 9	100	465	430	169	G 4"	27	20	4,10
SS 9 N	100	465	430	169	4" NPT	27	20	4,10

SOUNDPROOF CABIN – IH1 - IH3 - IH4 - IH5

CHARACTERISTICS:

- Suitable for MOR blowers only.
- Noise reduction 10 dB(A) max.
- With electric axial fan (1) removing heat, generated by the motor and blower (2).
- Bottom of cabin with air inlet grille for ventilation.(3).
- steel sheet structure (4).
- Demountable cover, for blower installation/inspection (5).
- Internal coated with polyurethane foam (sound-absorbing material) (6).
- Complete with accessories for blower connection (7), assembly with 4 shock mounts washer
- Cabin on n°4 rubber antivibration mounts.
- Paint RAL 9001.
- Possibility of installing the accessories provided for the blower directly on the cabin.
- Not suitable for outdoor installation without adequate protection

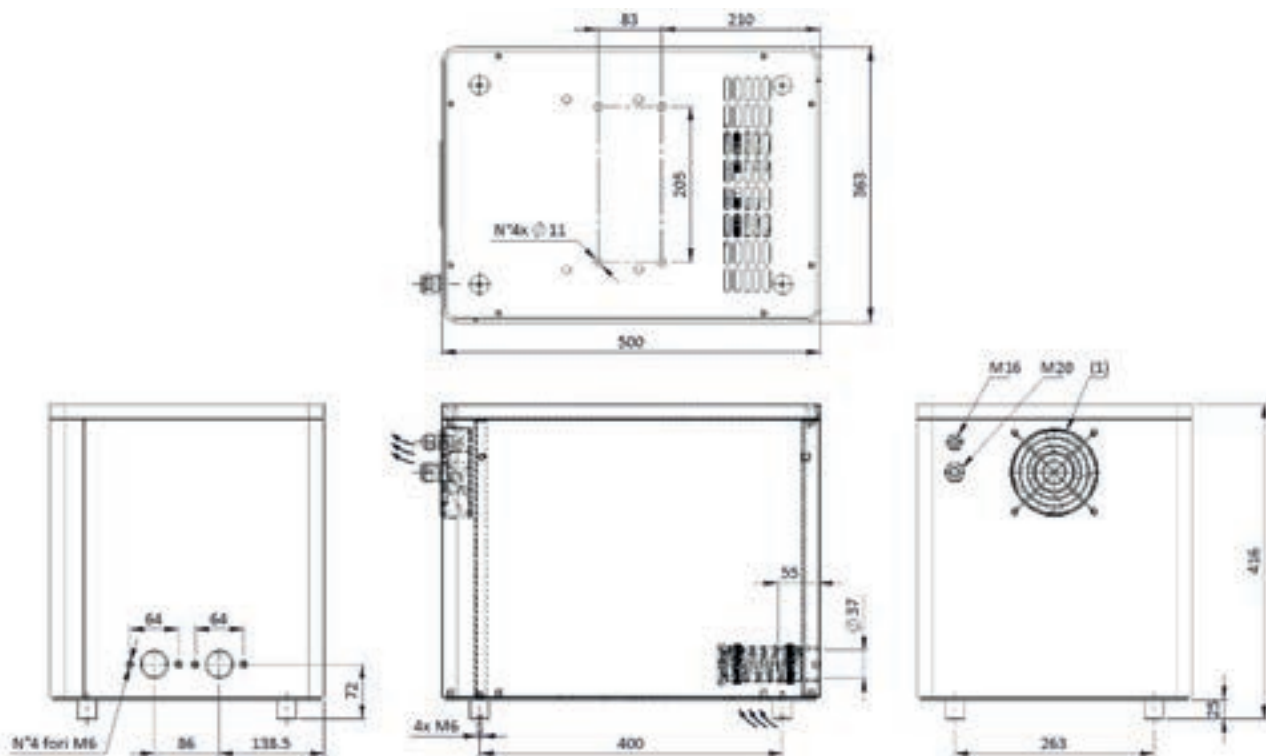


CODE	WEIGHT* (kg)	MOR BLOWER COMPATIBLE		PERFORMANCE OF BLOWERS INSTALLED IN SOUNDPROOF CABIN				AXIAL ELECTRIC FAN (1)							
		MS	MD	Power (kW)		Differential pressure (mbar)		q.tà	Hz	V	W	mA	Phase	pole	IP
				50Hz	60Hz	50Hz	60Hz								
IH 1	17	K03		0.37	0.42	-75/+85	-75/+75	1	50 60	230	18 15	130 90	1	2	44
				0.55	0.65	-100/+125	-150/+175								
IH 3	17.2	K04		0.75	0.90	-125/+125	-100/+100								
				1.1	1.3	-175/+175	-150/+150								
				1.5	1.7	-150/+225	-225/+225								
IH 4	27.7		R20	0.75	0.90	-275/+300	-275/+250	1	50 60	230	46 44	300 280	1	2	54
				1.1	1.3	-275/+375	-325/+425								
			R30	1.1	1.3	-275/+300	-300/+275								
				1.5	1.7	-325/+400	-350/+400								
			R40	2.2	2.6	-325/+400	-350/+375								
				3.0	3.5	-325/+475	-350/+475								
IH 5	28			1.1	1.3	-105/+105	-75/+75								
				1.5	1.7	-150/+150	-135/+135								
			K05	2.2	2.6	-215/+225	-235/+235								
				3.0	3.5	-215/+275	-235/+325								
				2.2	2.6	-135/+135	-100/+100								
			K06	3.0	3.5	-215/+215	-200/+200								
				4.0	4.8	-245/+275	-250/+300								

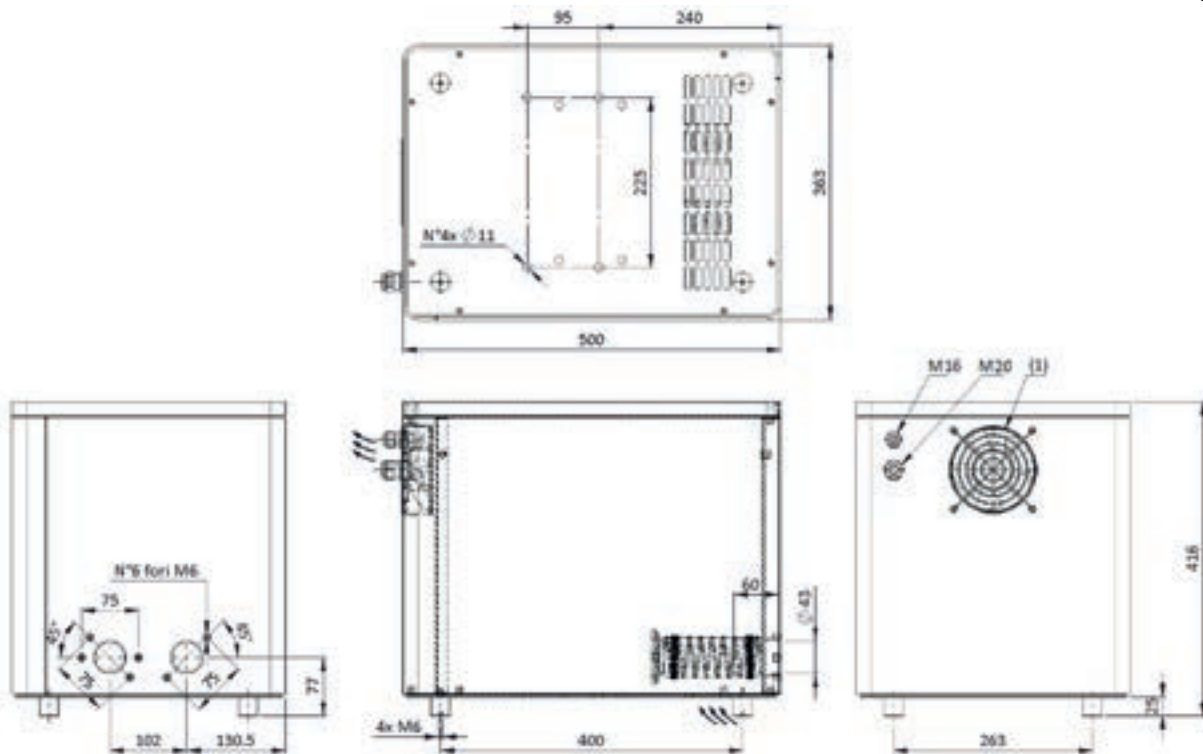
*- Weight cabinet only

Sizes in [mm] - NOT BINDING

DIMENSION (IH1)

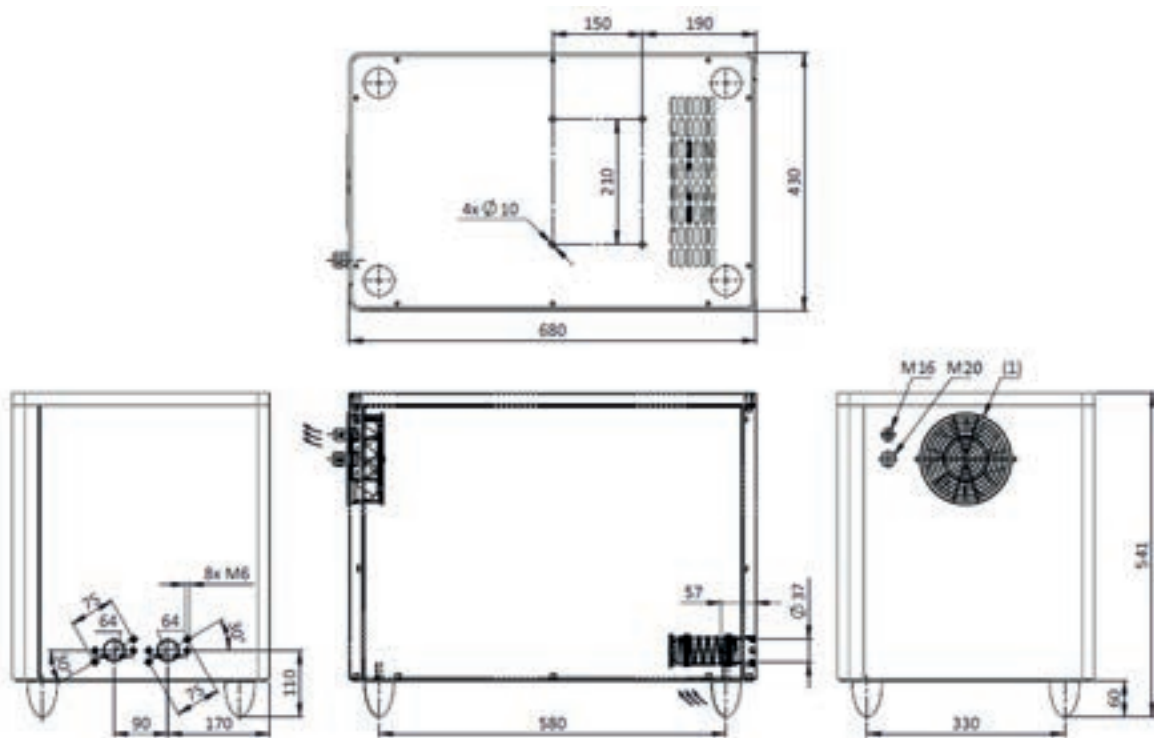


DIMENSION (IH3)

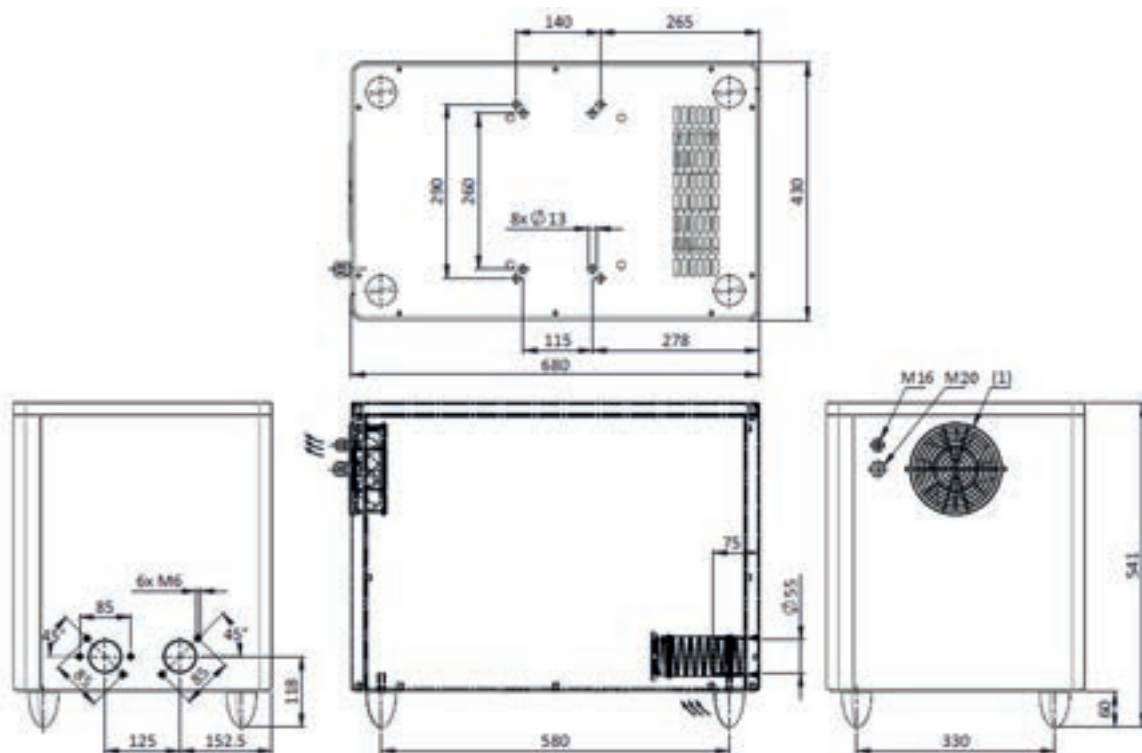


Sizes in [mm] - NOT BINDING

DIMENSION (IH4)



DIMENSION (IH5)

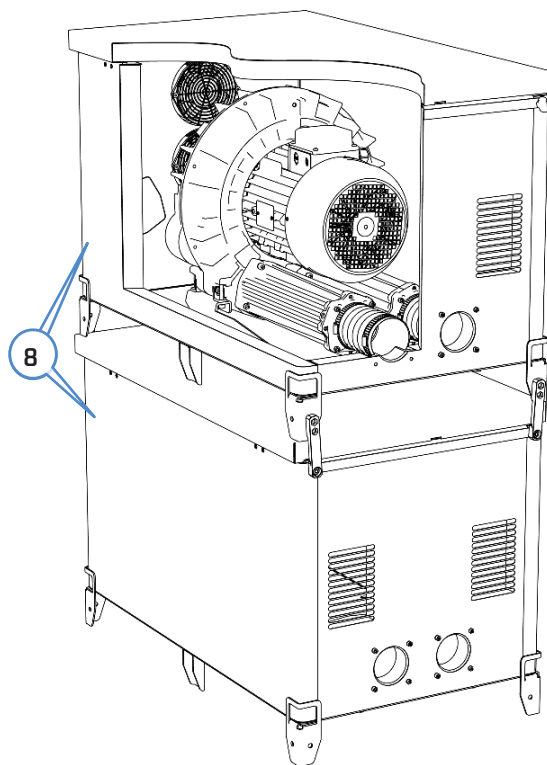
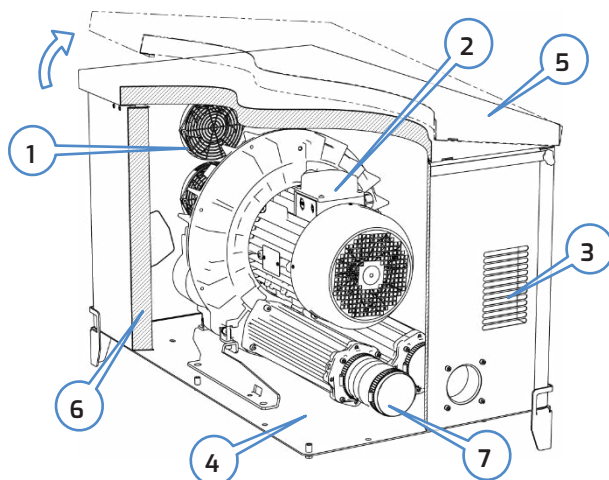


Sizes in [mm] - NOT BINDING

SOUNDPROOF CABINET - SC5M - SC6M - SC8M

CHARACTERISTICS:

- Suitable for MOR blowers only.
- Suitable for outdoor installations.
- Noise reduction 10 dB(A) max.
- With electric axial fan (1) removing heat, generated by the motor and blower (2).
- With air inlet grille for ventilation (3).
- Steel sheet structure (4).
- Folding roof opening (90°), for blower installation/inspection (5).
- Internal coated with polyurethane foam (sound-absorbing material) (6).
- Complete with accessories for blower connection (7), assembly with 4 shock mounts washer
- Cabinet with feet.
- Palletizable.
- Stackable cabinet (max 2 pieces) (8).
- Paint RAL 9001.
- On request, available in assembly kit.

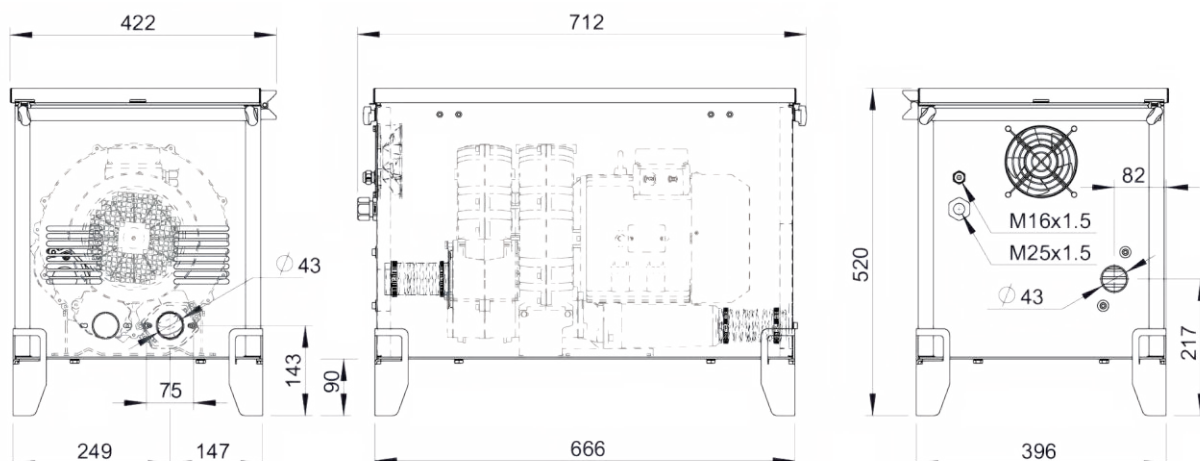


CODE	WEIGHT*	MOR BLOWER COMPATIBLE				AXIAL ELECTRIC FAN (1)							
	kg	MS	MD	TS	TD	q.tà	Hz	V	W	mA	Phase	Pole	IP
25SC 5 M - 2	23				K04	1	50 60	230	22 19	135 111	1	2	54
25SC 6 M - 2	40	e07 e08				2	50 60	230	46 44	300 280	1	2	54
25SC 6 M - 3	40			K05-66	K05 K06								
25SC 8 M - 1	51	e07 e08	K75		K05 K06								
25SC 8 M - 2	52				e07 e08								

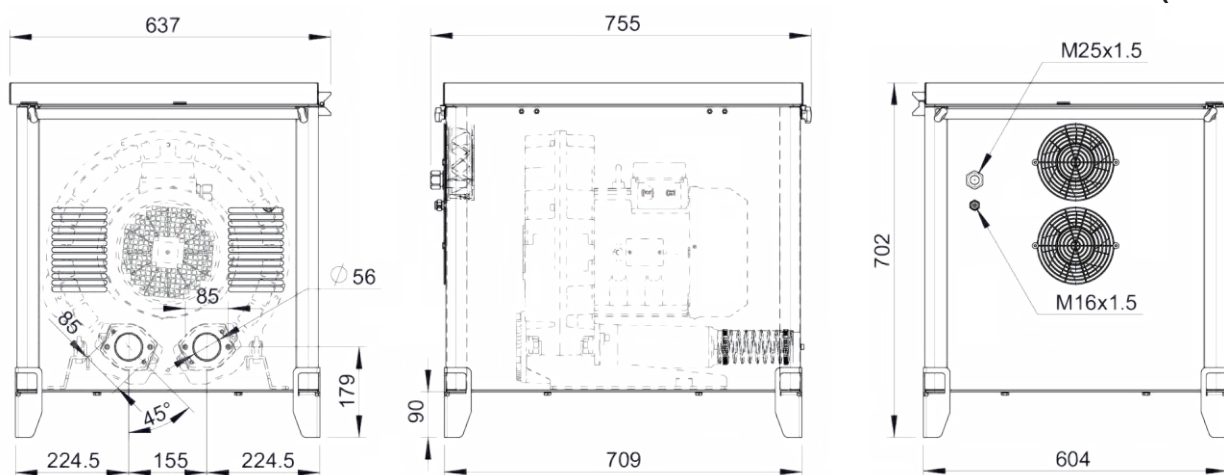
*- Weight cabinet only

Sizes in [mm] - NOT BINDING

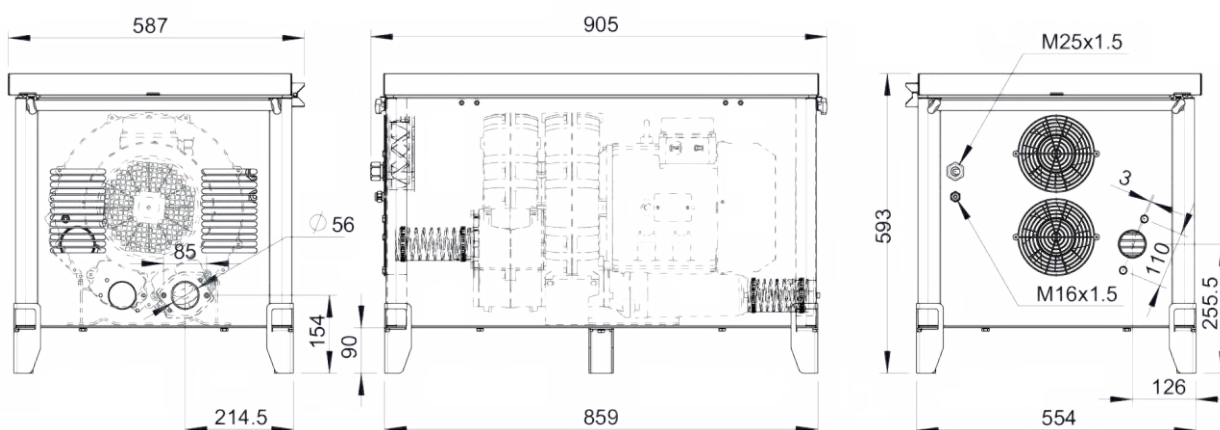
DIMENSION (SC5M-2)



DIMENSION (SC6M-2)

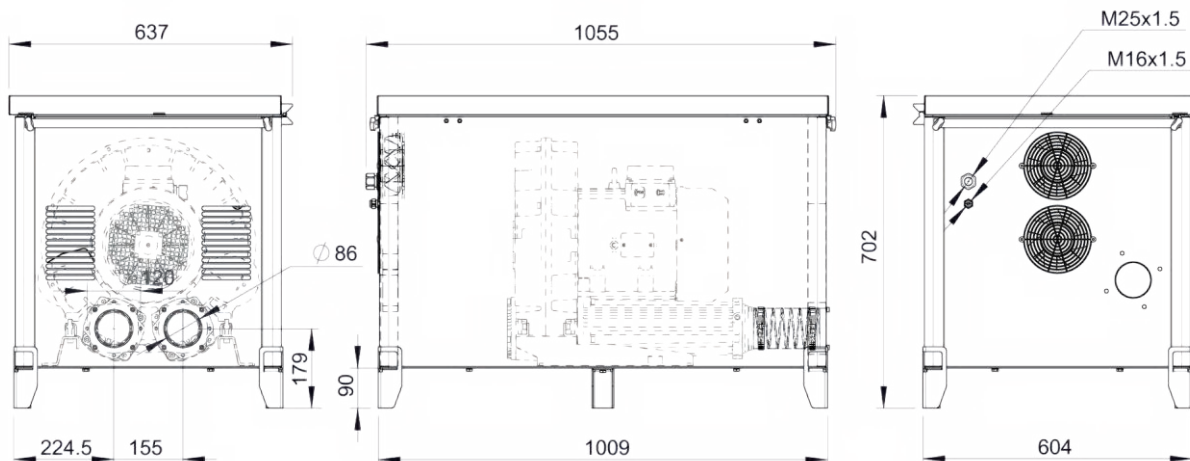


DIMENSION (SC6M-3)

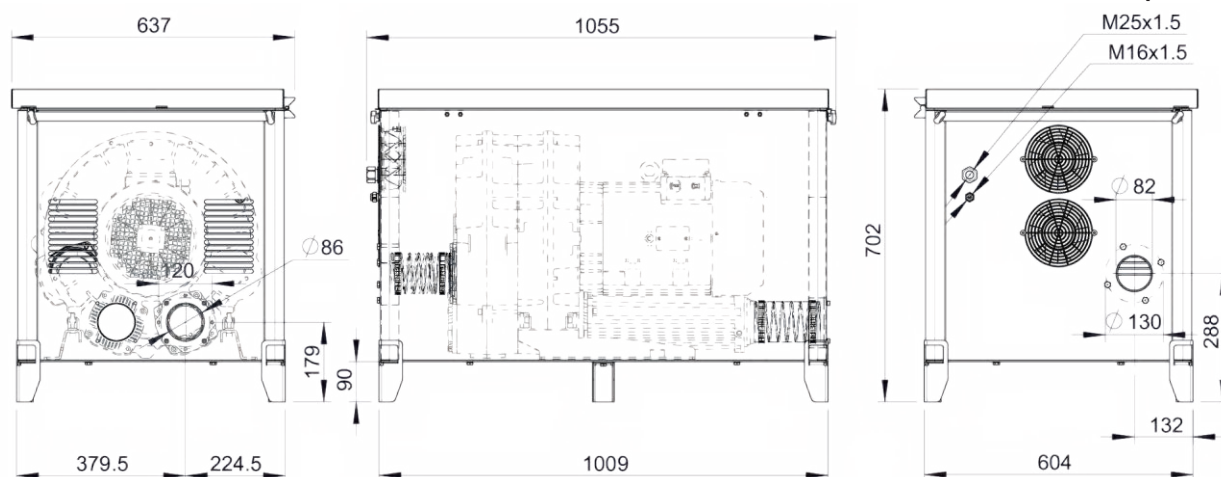


Sizes in [mm] - NOT BINDING

DIMENSION (SC8M-1)



DIMENSION (SC8M-2)

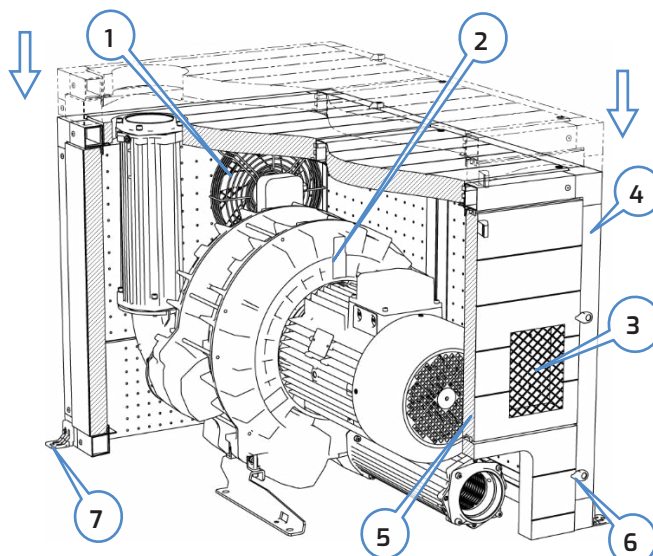


Sizes in [mm] - NOT BINDING

SOUNDPROOF CABINET – SC9M – SC10M

CHARACTERISTICS:

- Suitable for MOR blowers only.
- Suitable for outdoor installations.
- Noise reduction 10 dB(A) max.
- With electric axial fan [1] removing heat, generated by the motor and blower [2].
- With air inlet grille for ventilation [3].
- Aluminium profile frame [4].
- Sandwich panels insulated with mineral wool (sound absorbing / sound insulation) [5].
- Demountable panels with block-panel [6].
- Assembly from top (drop on the blower).
- Floor fixing points available (x2) [7].
- Polyester painted panels RAL 7035.



25SC9M-2 + e11TD

CODE	WEIGHT*	MOR BLOWER COMPATIBLE						AXIAL ELECTRIC FAN**[1]								
	kg	MS		MD		TS		TD	q.tà	Hz	V	W	A	Phase	Pole	IP
25SC 9 M - 1	81	e09 e10	e09 e10	e07 e08			e09 e10 e11 e12	1	50 60	230	90 110	0.42 0.52	1	2	54	
		e11 e12	e11 e12													
25SC 9 M - 2	81															
25SC 10 M	81					e09 e10										
						e11 e12										

* - Cabinet weight only

** - Capacitor 3µF 450V

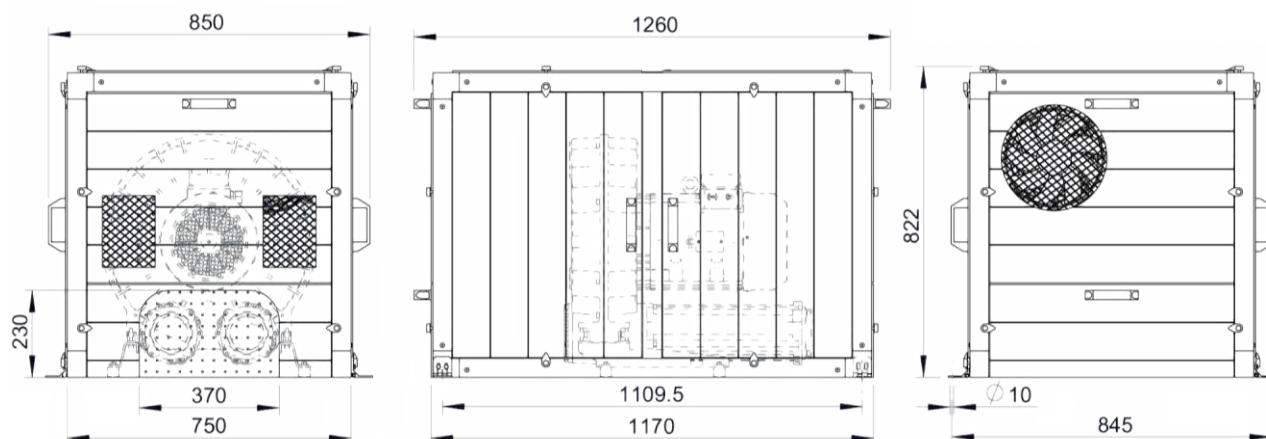
NOTE
Stackable cabinets (25SB accessory required) for max 2 units. Not applicable to cabinet code 25SC92, only if used as a base (TD blower)

To install 25FLxx filter Use:

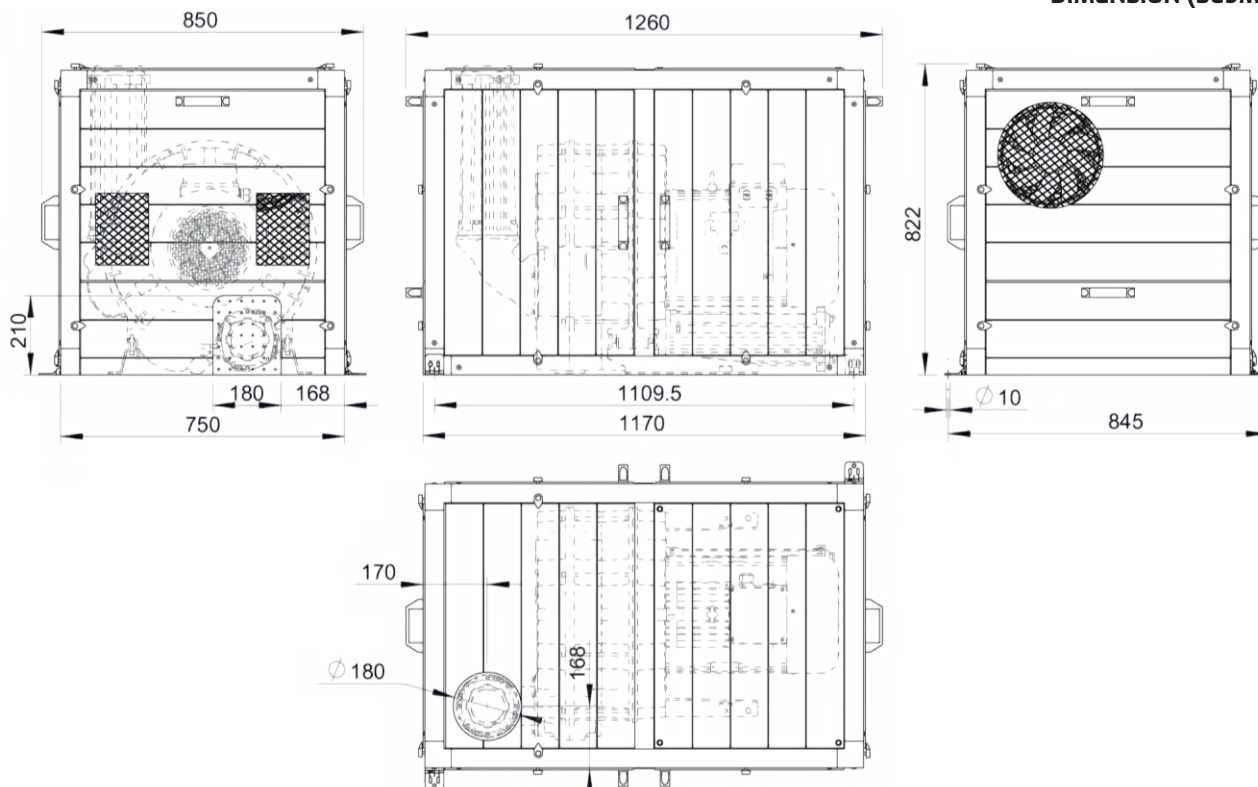
- for 25SC9M-1 use 25CA9L
- for 25SC9M-2 use 25TR9
- for 25SC10M use 25CA10

Sizes in [mm] - NOT BINDING

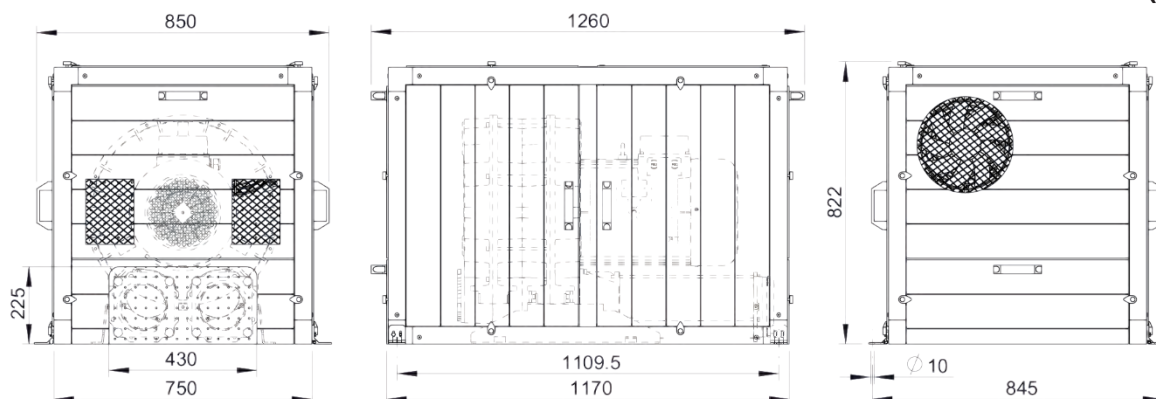
DIMENSION (SC9M-1)



DIMENSION (SC9M-2)



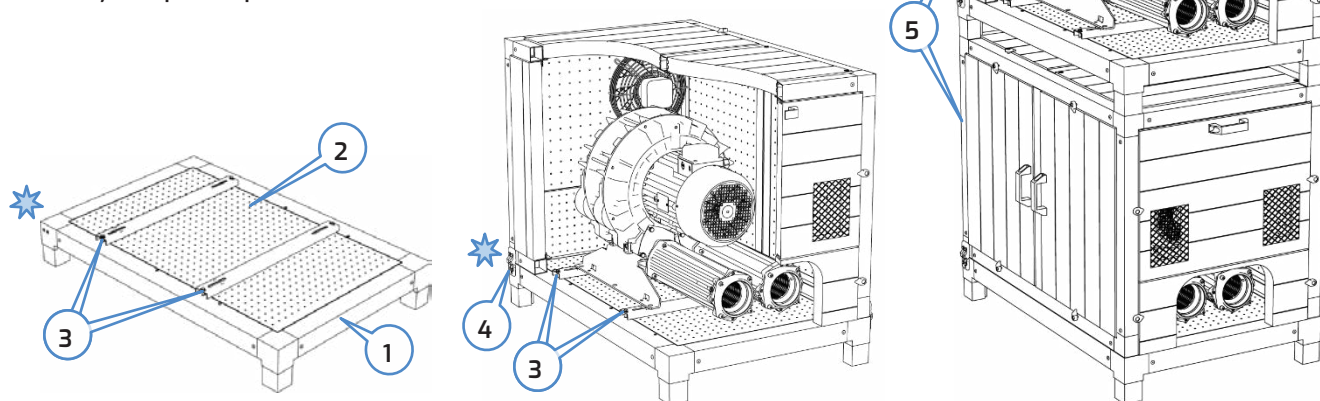
DIMENSION (SC10M)



SOUNDPROOF CABINET BASE - 25SB-1 (SUITABLE FOR SC9M-1 / SC9M-2 / SC10M)

CHARACTERISTICS:

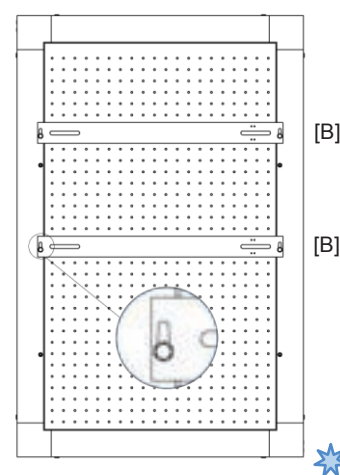
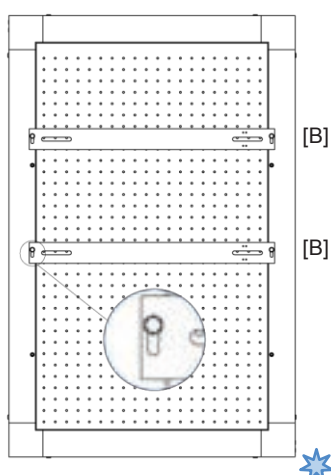
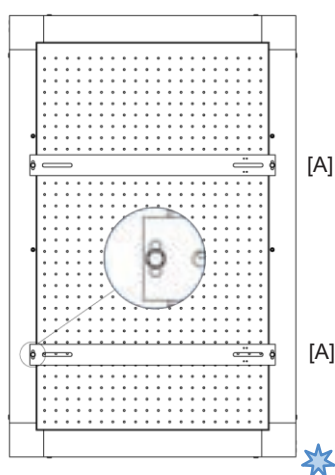
- Suitable for outdoor installations.
- Aluminium profile frame [1].
- Sandwich panels insulated with mineral wool (sound absorbing / sound insulation) [2].
- Omega for blower fixing [3] assembly with 4 shock mounts washer
- Fixing with blower by hinge [4]
- Makes the cabinet Palletizable
- Makes the cabinet stackable (max 2 pieces) [5]
- Polyester painted panels RAL 7035.



DIMENSION (SB-1)



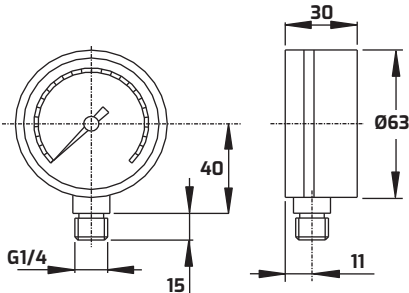
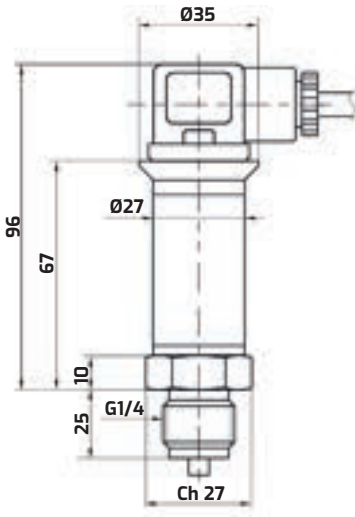
OMEGA POSITION FOR BLOWER INSTALLATION [4]



MS							e09	e10	e11	e12
MD							e09	e10	e11	e12
TS	e07	e08	e09	e10	e11	e12				
TD							e09	e10	e11	e12

ACCESSORIES SUITABLE FOR ATEX ENVIRONMENT

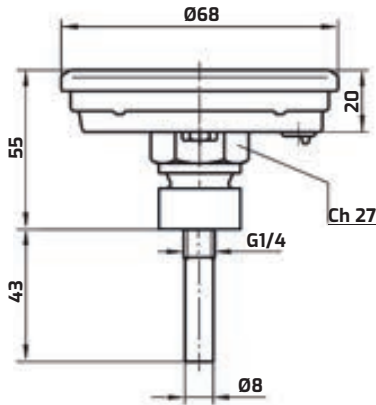
PRESSURE MEASUREMENTS

	MECHANICAL		ELECTRONIC			
	 		 			
Model	MC030	MA040	TC420	TC010	TA420	TA010
Characteristics	Bourdon tube pressure gauge in steel, ideal for industrial-type use		Pressure transducer, accurate and reliable, suitable for use in heavy industrial environments. Allows acquisition of status and control of the system in question			
ATEX classification	II 2 GDc T6		II 1 GD – Ex ia IIC T5			
Range	0 ... 1000 mbar	-1000 ... 0 mbar	0 ... 1000 mbar		-1000 ... 0 mbar	
Accuracy	1.6% FS		<0.3% FS ¹			
Mechanical connection	G1/4		G1/4			
Power supply	-		14-28 VDC			
Output signal			4-20 [mA]	0-10 [V]	4-20 [mA]	0-10 [V]
Electrical connection	-		DIN 43650 plug			
Protection	IP 65		IP 65			
Dimensions						

Sizes in [mm] - NOT BINDING

¹ The accuracy decreases by 0.6% FS every 10°C above 100°C

TEMPERATURE MEASUREMENTS

	MECHANICAL
	
Model	TE0160
Characteristics	Bimetallic thermometer for industrial use in stainless steel
ATEX classification	II 2 GDc Tx
Range	20°C ... 140°C
Accuracy	1% FS
Mechanical connection	G1/4
Power supply	-
Output signal	-
Electrical connection	-
Protection	IP 65
Dimensions	

Sizes in [mm] - NOT BINDING

FILTER

A device that stops particles of dust or debris carried by the gas, protecting the side channel blower as well as possible adjustment and safety devices. To be used with non-aggressive gases, such as manufactured gas (carbon monoxide), methane (natural gas) and LPG (liquefied petroleum gas).



Characteristics:

- Casing in cast aluminium (dimensions 230mm x 150mm)
- Filter element in washable synthetic material (viledon).
- Standard degree of filtration: 20 µm
- Filtering surface area: 10650 mm²
- Possible vertical installation
- Supplied with gaskets and screws for connection to the system
- Arranged for pressure sampling points upstream and downstream of the cartridge (G 1/4")
- EC approval according to EN 126
- In conformity with Directive 2009/142/EC (Gas Directive)
- In conformity with the 97/23/EC (PED)

Available on request:

- degree of filtration 50 and 10 µm.
- version treated (cataphoresis) for compatibility with work fluid containing H₂S

FILTER	Model	Flanged connections	Filtration degree [µm]	Weight [kg]
	FF32J20	DN 32	20	3,06
	FF40J20	DN 40	20	2,55
	FF50J20	DN 50	20	2,70
	FF09J20	DN 80	20	6,65
	FF10J20	DN 100	20	11
	FF11J10	DN 125	10	11

CARTRIDGE	Model	Filter	Dimensions	Weight [g]
	25CF20M	FF32J20	140 x 105 x 35	56
		FF40J20		
		FF50J20		
	25CF209M	FF09J20	260 x 250 x 120	100
	25CF2010M	FF10J20	260 x 250 x 230	200
	25CF2011M	FF11J10	260 x 250 x 330	1400

ANTIVIBRATION JOINTS

A device allowing the machine to be uncoupled from the system, preventing the transmission of vibration and allowing the adjustment of any misalignments.



Characteristics:

- In AISI 316L stainless steel
- Anti-twisting grooving to avoid problems during assembly
- Supplied with gaskets and screws for connection to the system

Mod	DN	PN	mod SCL	Weight [kg]
25FM6X.	50	16	K05MS Atex 2G - Atex 2G/3G K06MS Atex 2G - Atex 2G/3G	8
25FM5X.	40	16	R20-MD Atex 2G - Atex 2G/3G R30-MD Atex 2G - Atex 2G/3G R40-MD Atex 2G - Atex 2G/3G	7

Sizes in [mm] - NOT BINDING

ADJUSTABLE AIR KNIVES

Technical data

Characteristics

- ☒ Steel alloy construction
- ☒ Generating an uniform high speed airflow
- ☒ Modularity

ACCESSORIES FOR SIDE CHANNEL BLOWERS - EXHAUSTERS



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
ISO 9001

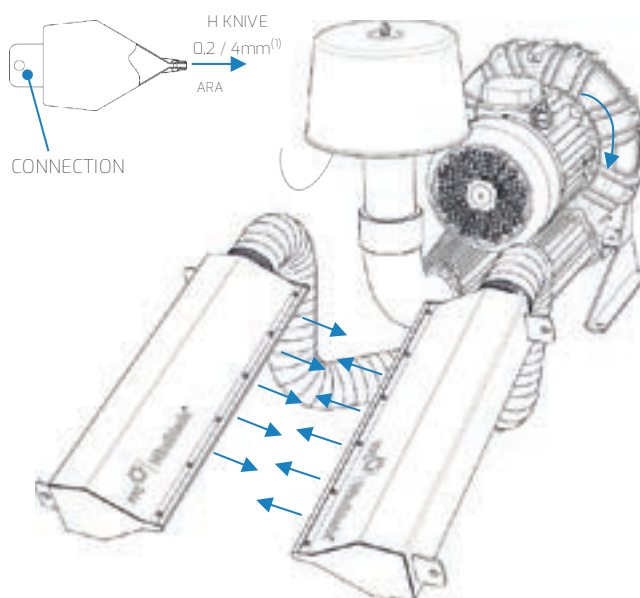
TECHNICAL INFORMATION

The air knife is used as an accessory for side channel blowers to canalize the air flow generated in compression by the blower itself, in a controlled airflow, uniform for a given length, and directional.

The main function is to increase the speed of the airflow using it on customer's product with different applications

The air knife:

- ☒ Is made of stainless steel (AISI 304).
- ☒ Suitable for canalize airflow in a nonexplosive atmosphere, in continuous service.
- ☒ Suitable for side channel blower's models with the pressure side connection from 2" to 4"
- ☒ Equipped with an adjustable slit for airflow exit (from 0.2 to 4mm⁽¹⁾)
- ☒ Equipped with connection for an easier installation (customer care).



⁽¹⁾ For general conditions of use refer to the blower manual

APPLICATIONS

Air knife is ideal for the following application:

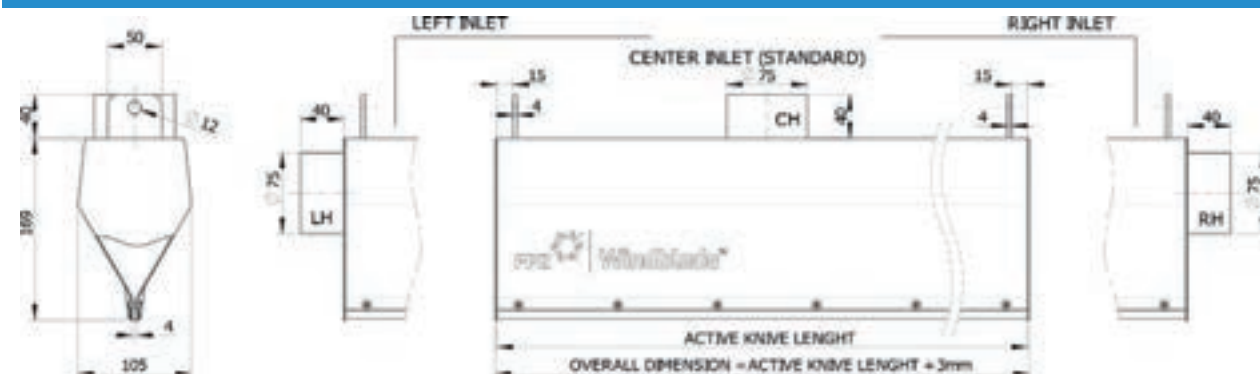
- ☒ Drying: water removal, moisture residue remove
- ☒ Cooling down: for plastic product, metal parts
- ☒ Cleaning: material residue removal, dust and machining residue removal

REFERENCE MARKET SECTOR

- | | | |
|---------------------|--------------------------|---|
| ☒ Food and beverage | ☒ Automotive | ☒ Machinery for processing rubber or metals |
| ☒ Food industry | ☒ Conveyor belt cleaning | ☒ Electronic parts |
| ☒ Textile | ☒ Building | |

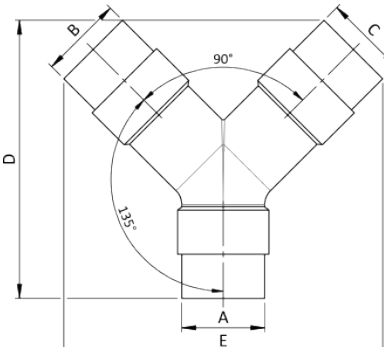
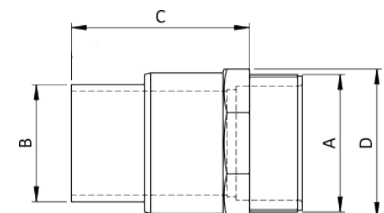
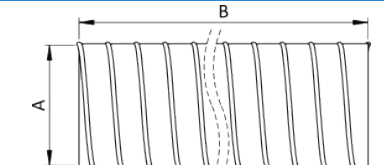


DIMENSIONS



Active lenght	Overall dimension	Connections			Ø connection	Material
150 to 2000	Active lenght+ 3	CH (standard)	LH	RH	Ø75	Stainless Steel

COMPONENT FOR APPLICATION

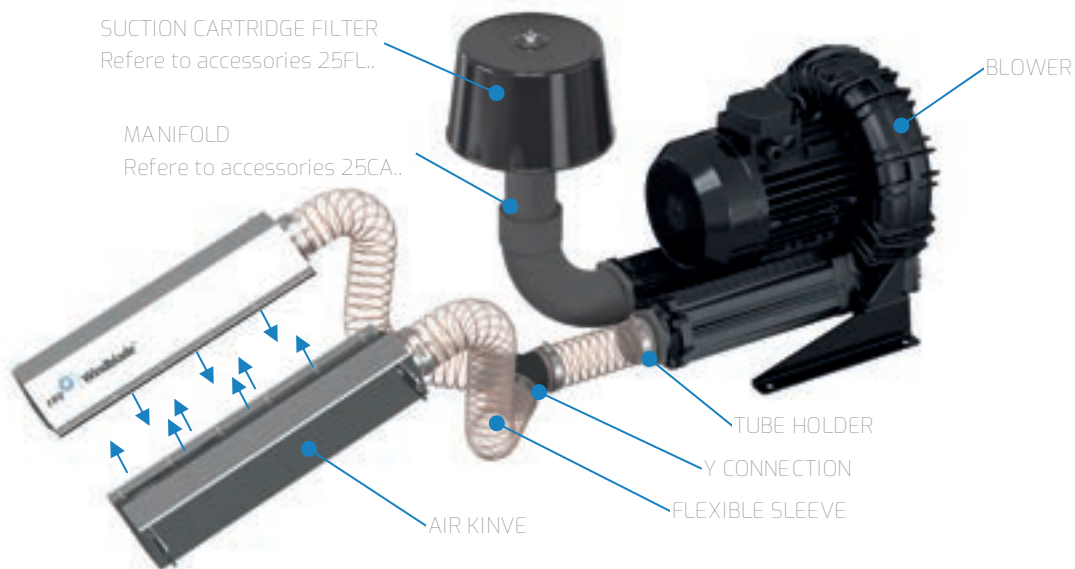
Y CONNECTION	Product code	Dimension					Material
		A	B	C	D	E	
	633075075840	Ø75	Ø75	Ø75	255	290	PVC
	633090075840	Ø90			280	300	
TUBE HOLDER REDUCTIONS	Product code	Dimension				Material	
		A	B	C	D		
	633002075840	2"GAS	Ø75	60	75	PVC	
	633003075840	3"GAS		115	95		
	633003070840	4"GAS		125	115		
	633003090840	4"GAS	Ø90	125	115		
FLEXIBLE SLEEVE	Product code	Dimension		Material			
		A	B				
	25FM75-..M	Ø75	upon request	Poliurethane			
	25FM90-..M	Ø90					

Sizes in [mm] - NOT BINDING

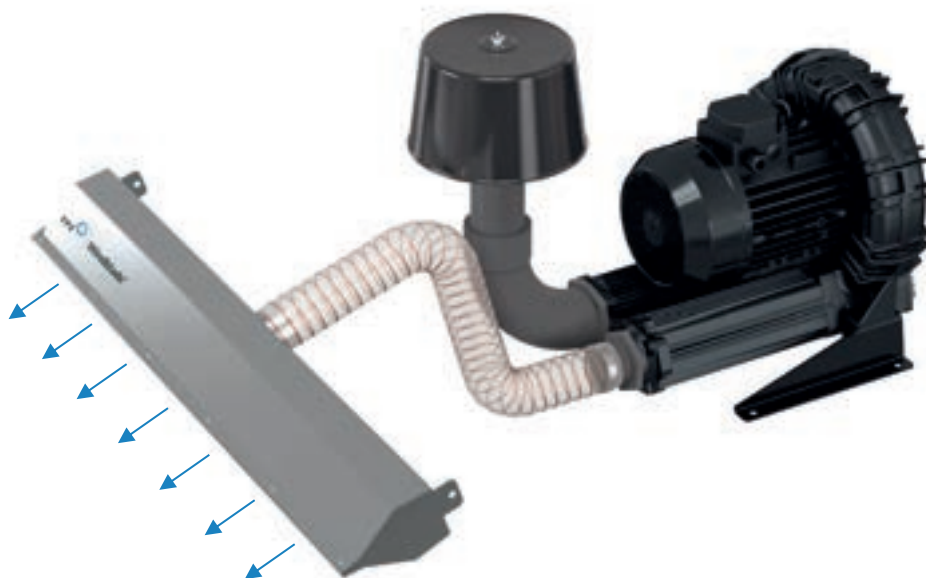
CONFIGURATION EXAMPLE

- The connection with the blower is made by the tube holder reduction, screwed with female threaded flange in pressure side (our standard), that joint the flexible sleeve connected with the air knife
- For general conditions of use refer to the blower manual

Configuration for 2 air knife with 1 inlet



Configuration for 1 air knife with 2 inlet



ADJUSTABLE AIR KNIVES

Technical data

Characteristics

- ☒ Anodized aluminum alloy construction
- ☒ Generating an uniform high speed airflow
- ☒ Modularity



ACCESSORIES FOR SIDE CHANNEL BLOWERS EXHAUSTERS

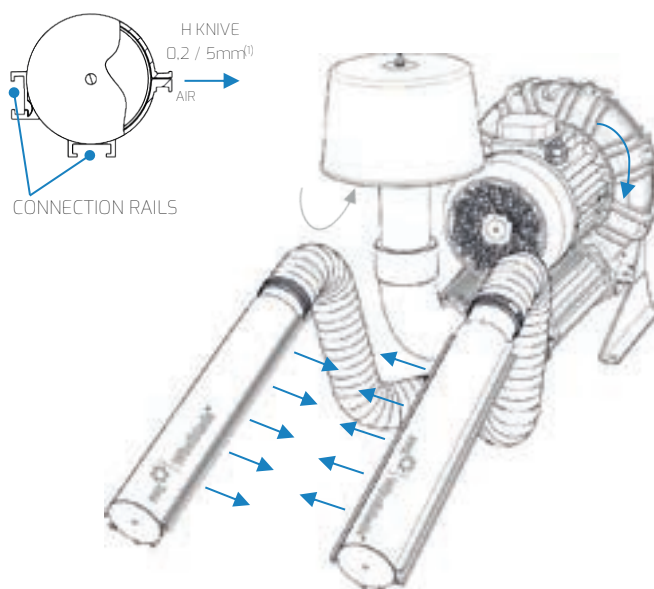
TECHNICAL INFORMATION

The air knife is used as an accessory for side channel blowers to canalize the air flow generated in compression by the blower itself, in a controlled airflow, uniform for a given length, and directional.

The main function is to increase the speed of the airflow using it on customer product with different applications

The air knife:

- ☒ Is made of anodized aluminum alloy.
- ☒ Suitable for canalize airflow in a nonexplosive atmosphere, in continuous service.
- ☒ Suitable for side channel blower's models with the pressure side connection from 2" to 4"
- ☒ Equipped with an adjustable slit for airflow exit (from 0.2 to 5mm⁽¹⁾)
- ☒ Equipped with rails for an easier installation through plates and tie rods (customer care).



⁽¹⁾ For general conditions of use refer to the blower manual

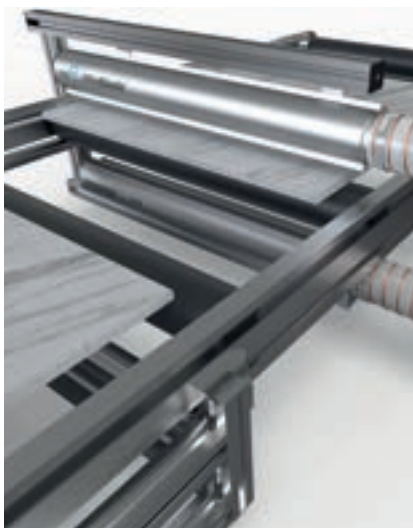
APPLICATIONS

Air knife is ideal for the following application:

- ☒ Drying: water removal, moisture residue remove
- ☒ Cooling down: for plastic product, metal parts
- ☒ Cleaning: material residue removal, dust and machining residue removal

REFERENCE MARKET SECTOR

- | | | |
|---------------------|--------------------------|---|
| ☒ Food and beverage | ☒ Automotive | ☒ Machinery for processing rubber or metals |
| ☒ Food industry | ☒ Conveyor belt cleaning | ☒ Electronic parts |
| ☒ Textile | ☒ Building | |



DIMENSIONS



Active lenght	Overall dimension	Connections			Ø connection	Material
150 to 2000	Active lenght+ 92	RH (standard)	LH	LH / RH	Ø75	Aluminum

COMPONENT FOR APPLICATION

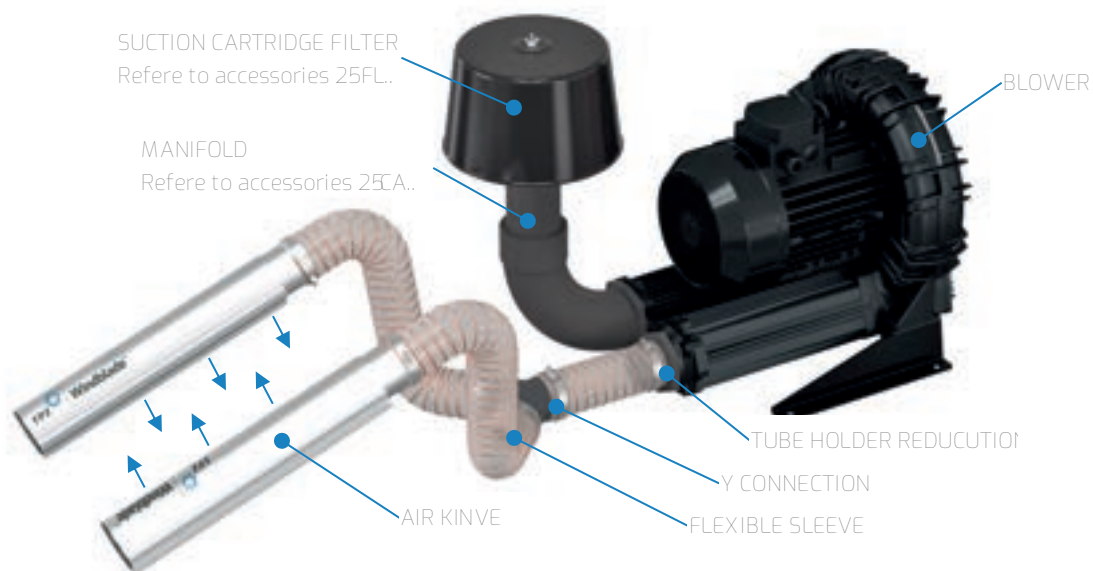
Y CONNECTION	Product code	Dimension					Material
	633075075840	Ø75	Ø75	Ø75	255	290	PVC
	633090075840	Ø90			280	300	
	TUBE HOLDER REDUCTIONS	Product code	Dimension				Material
		633002075840	2"GAS	Ø75	60	75	PVC
633003075840		3"GAS	115		95		
633003070840		4"GAS	Ø90	125	115		
633003090840		4"GAS		125	115		
FLEXIBLE SLEEVE	Product code	Dimension		Material			
	25FM75-..M	Ø75	upon request	Poliurethane			
	25FM90-..M	Ø90					

Sizes in [mm]- NOT BINDING

CONFIGURATION EXAMPLE

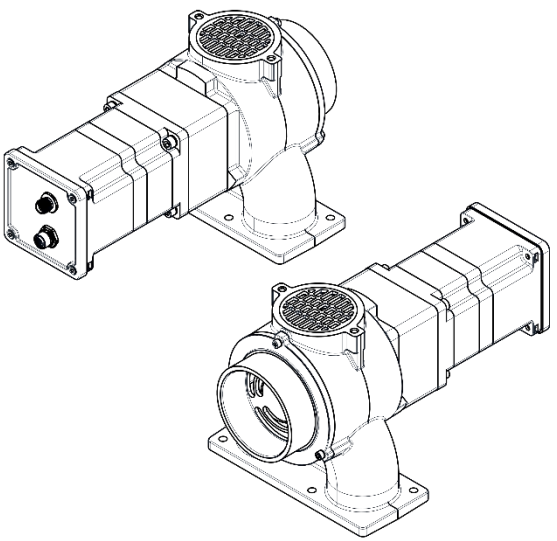
- The connection with the blower is made by the tube holder reduction, screwed with female threaded flange in pressure side (our standard), that joint the flexible sleeve connected with the air knife
- For general conditions of use refer to the blower manual

Configuration for 2 air knife with 1 inlet



Configuration for 1 air knife with 2 inlet



Technical characteristics Made of aluminum alloy and nylon Rotating manifold Control: digital inputs - fieldbus M12 female connector - power supply M12 male connector - signal	
Motor Stepper NEMA 34	
Blowers K04-MS K05-MS K06-MS e07-MD e08-MD	
Accessories available on demand M12 male connector shielded cable M12 female connector shielded cable	

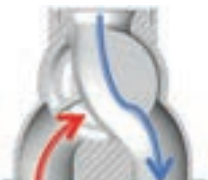
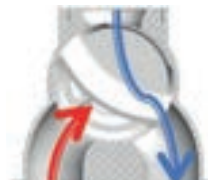
Power supply	24 V DC ($\pm 20\%$), 40 W (min)
IP rating of motor support, stepper motor, case and cover	IP 55
IP rating of aluminum body (fitted on the blower)	IP 20
Mass	4.5 kg
Available rotating manifold positions	5
Default rotational speed	300 rpm
Rotational speed range	10 ÷ 300 rpm
Minimum amount of time between two consecutive rotations	1.0 s
Available fieldbuses*	Modbus RTU
Allowed environmental temperature range	-15 ÷ +40 °C
*Contact FPZ for other fieldbuses	

	Use with digital inputs only	Use with fieldbus
Error alert	✓	✓
Reset	✓	✓
Analog input 0 - 20 mA	✗	✓
Positions control	✗	✓
Rotational speed control	✗	✓
Live monitoring	✗	✓

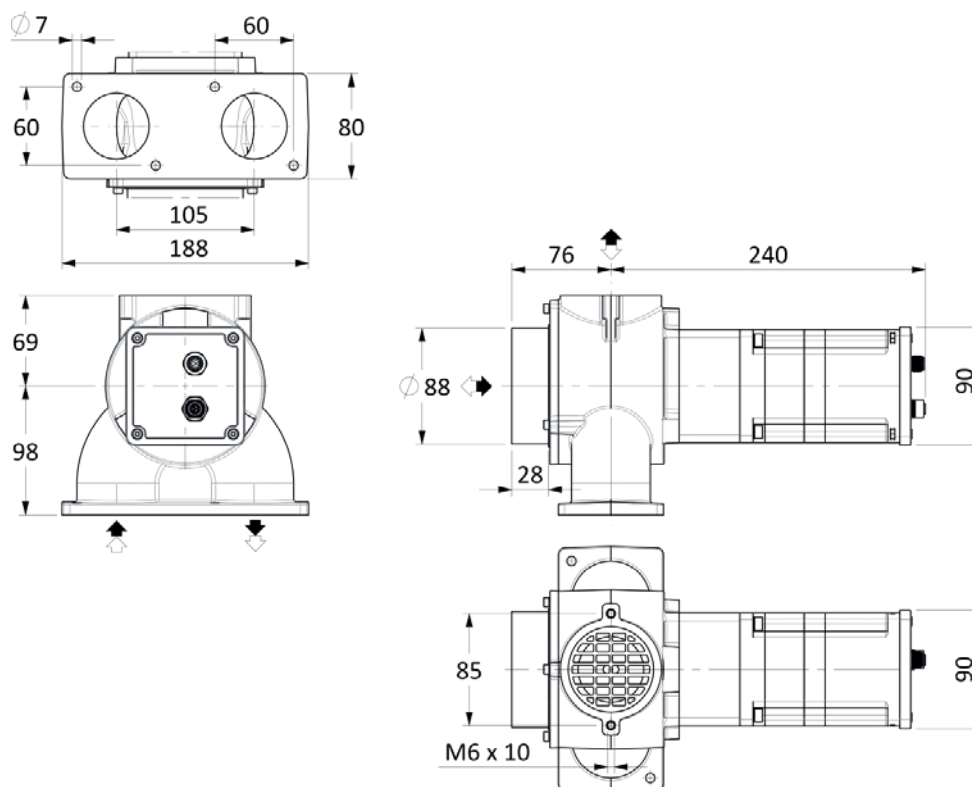
The five default positions of the valve are:

- Suction, -67.5°
- Partial suction, -33.7°
- Home, 0°
- Partial pressure, +33.7°
- Pressure, +67.5°.

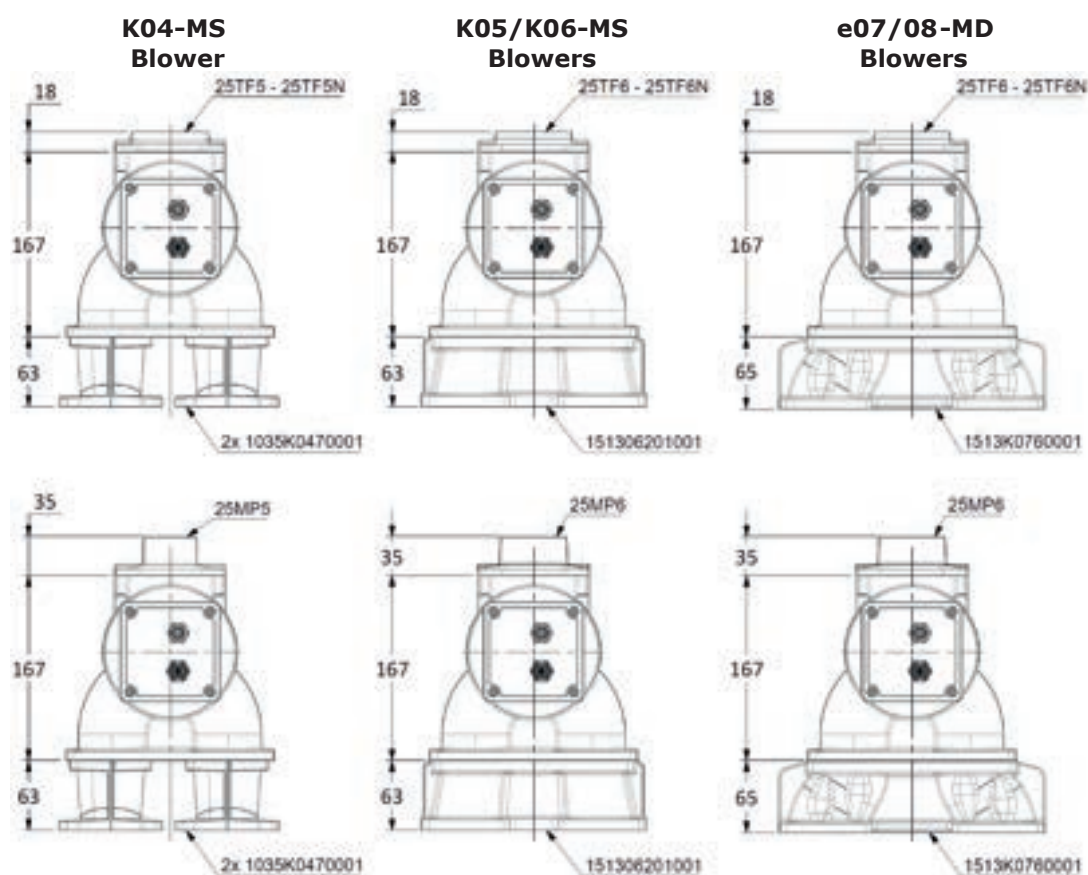
At power-on, the valve automatically rotates to the Home (0°) position.

MOTOR SIDE VIEW				
Suction, -67.5°	Partial suction, -33.7°	Home, 0°	Partial pressure, +33.7°	Pressure, +67.5°
				

Valve dimensions



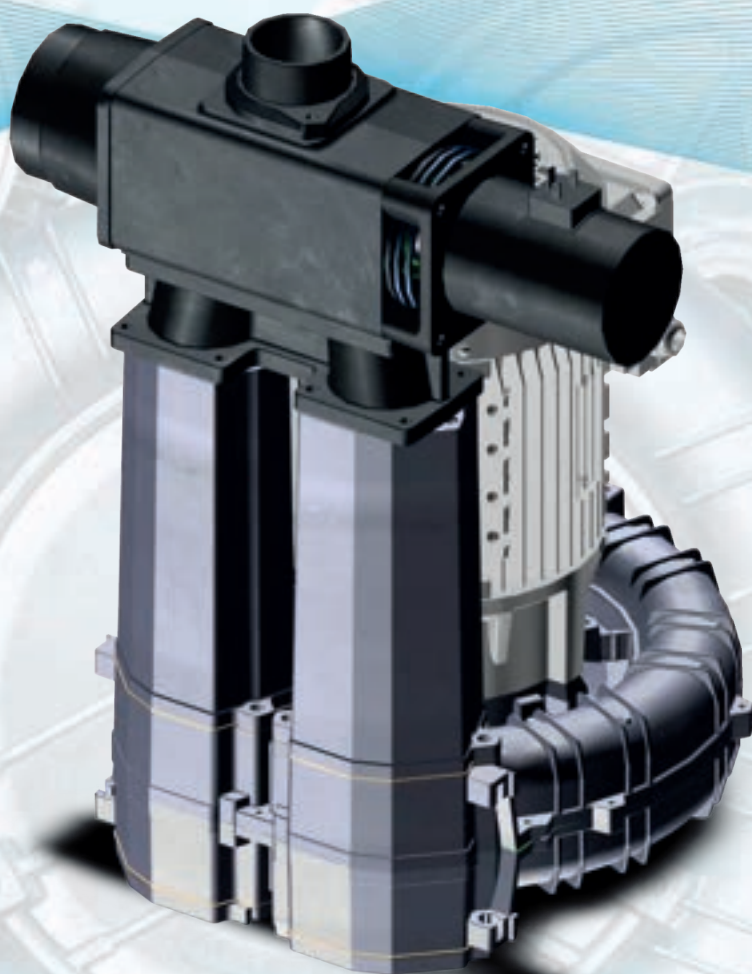
Valve dimensions with FPZ accessories



FLOW REVERSING VALVE

CHARACTERISTICS

- Manufactured in aluminum alloy
- Sliding switch
- Magnetic or pneumatic operation



FLOW REVERSING VALVE VS

The VS Flow Reversing Valve is used as an accessory for lateral channel blowers to change the flow over from pressure to vacuum and vice versa or change the channel from/to which the flow is directed.

The device operates by means of a sliding switch.

It has two different switch positions which make the device particularly versatile for various uses such as:

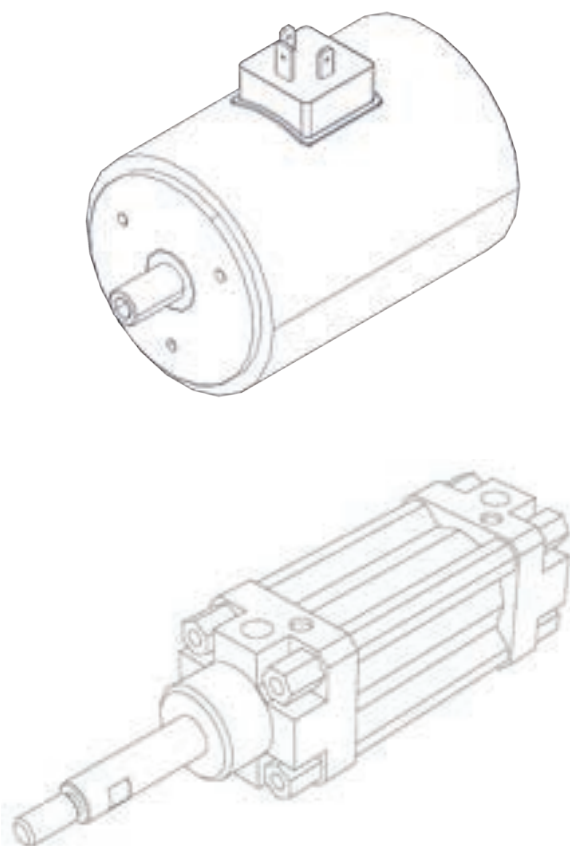
- Reversing flow from pressure to vacuum mode
- Channel changeover

TECHNICAL INFORMATION

The VS Flow Reversing valve is available with electrical control, or pneumatic control.

Entirely manufactured in aluminium alloy, it is not subject to contact and/or interference between the switch and the valve body

The "VS" valve comes in five versions with the option of a flanged GAS/NPT/hose fitting connection. (Refer to the page of codes to choose the versions and flange models).



ACTUATOR		
Electrical Actuator		
Thruster electromagnet		
ED insertion ratio	60% of the cycle time	
Maximum cycle time	5 min.	
Power	54W	56W
Standard power voltage	24Vcc	110-220 Vca
Operating temperature	-5°C - +40°C	
Pneumatic actuator		
Pneumatic thruster piston	Double effect	
Maximum pressure	10 Bar	
Air consumption	0.02 liter / cycle	
Operating temperature	-5°C - +70°C	

The drive system is dimensioned for continuous service and operates at : Switch movement 0.10 sec.

Conformity

The Flow Reversing valve conforms to:

- the Machinery Directive for which it is considered as a partly completed machine

FLOW REVERSING VALVE VS

ITEM CODIFICATION

VS

*

*

*

1 2 3 4 5

**

VALVE SIZE

6	DN 1 1/2" - 2"
8	DN 3

SPECIAL VERSION

	STANDARD
A	WITHOUT SEAL RING

CONNECTIONS 1 - 4 - 5

NONE		
D	/	/
GAS THREADED FLANGE		
A	G 1 1/2"	101940230004
B	G 2"	101950200004
C	G 3"	102070200004
NPT THREADED FLANGE		
T	NPT 1 1/2"	101940530004
U	NPT 2"	101950500004
V	NPT 3"	102070500004
HOSE		
F	1 1/2"	102140230004
H	2"	102150200004
K	3"	102270200001

EXECUTION

SEE TABLE BELOW

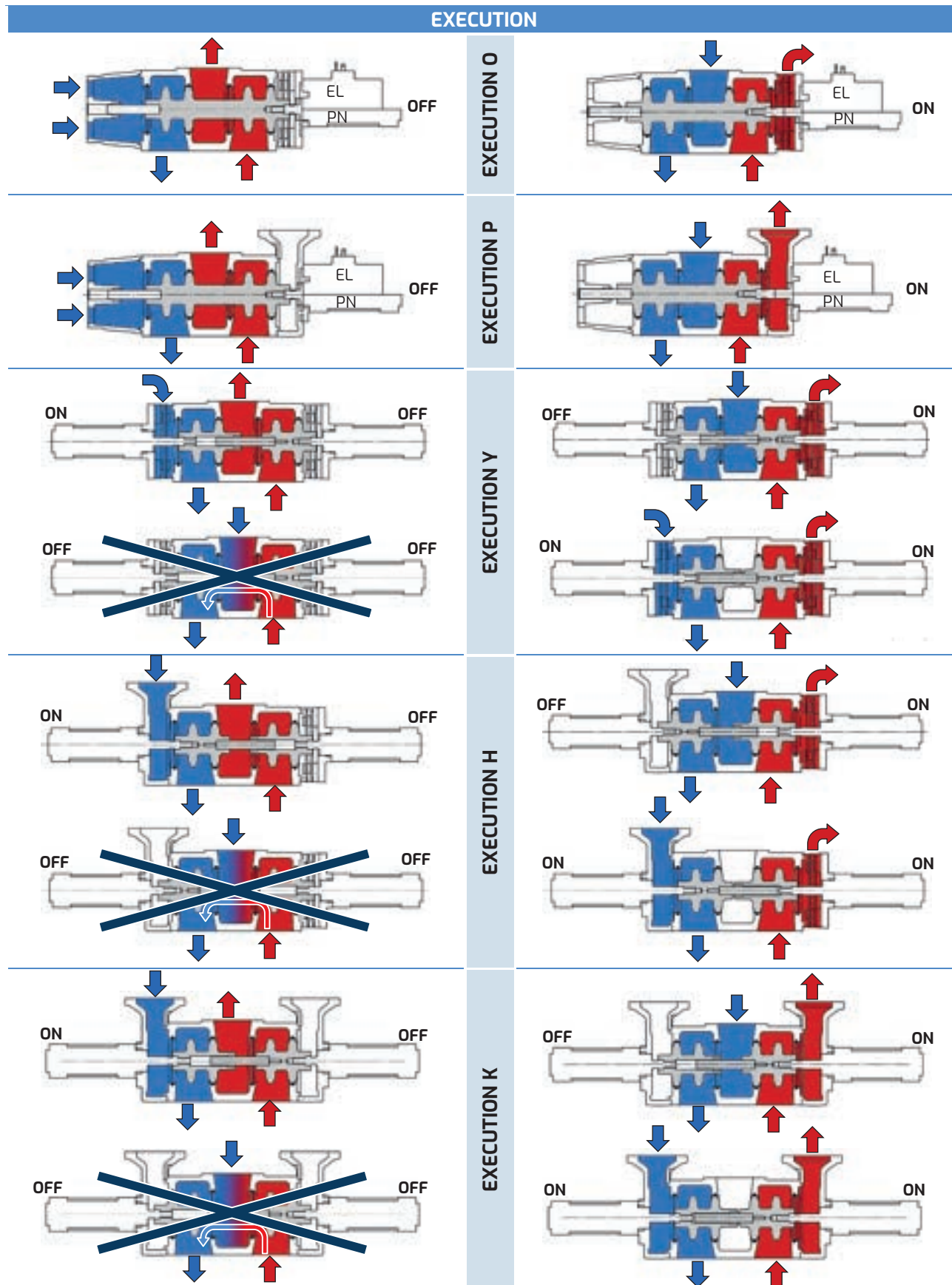
CONNECTIONS 2-3

VS6	VS8	SCL	MANIFOLD/ADAPTOR	Q.TY
ZI	-	K04-M5/TS	1035K0470001	2
ZL	-	K05-M5 K06-M5 K05-66	151306201001	1
ZE	-	e07-M5	1513K0750001	1
ZJ	-	e07-MD e08-MD	1513K0760001	1
-	ZM	K05-T5	1513K0710001	1
-	ZD	K06-T5 e07-M5 e08-M5	1513K0701001	1
-	ZC	K06-T5 e08-T5 e09-M5/MD e10-M5/MD	1513K0900001	1
-	ZG	e11-M5/MD e12-M5/MD	1513K1100001	1

DRIVE

ELECTRICAL	
EA	24 CC
ED	110 CA
EF	220 CA
PNEUMATIC	
P2	Double effect

FLOW REVERSING VALVE VS



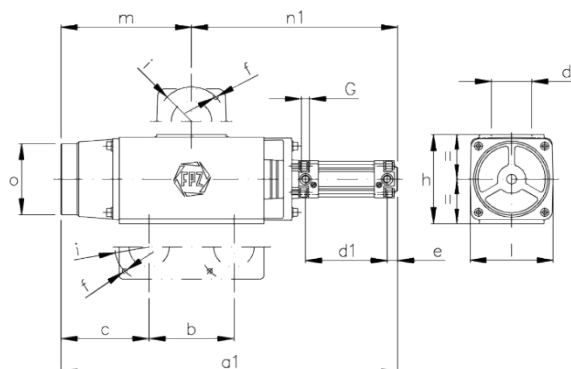
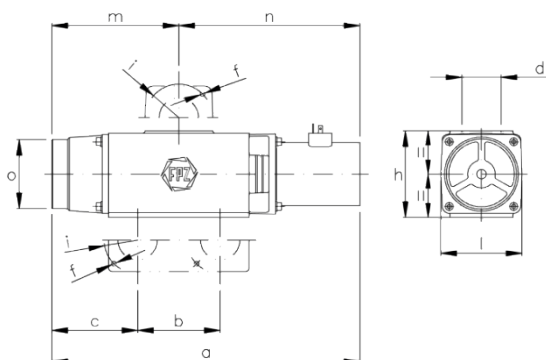
FLOW REVERSING VALVE VS

DIMENSIONS (O/P)

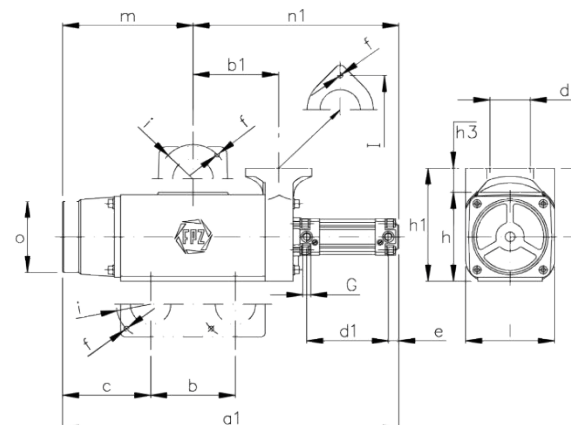
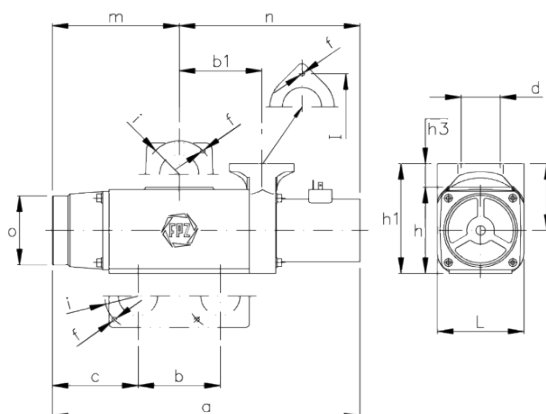
Overall dimensions with electric actuator

Overall dimensions with pneumatic drive

VERSION O



VERSION P

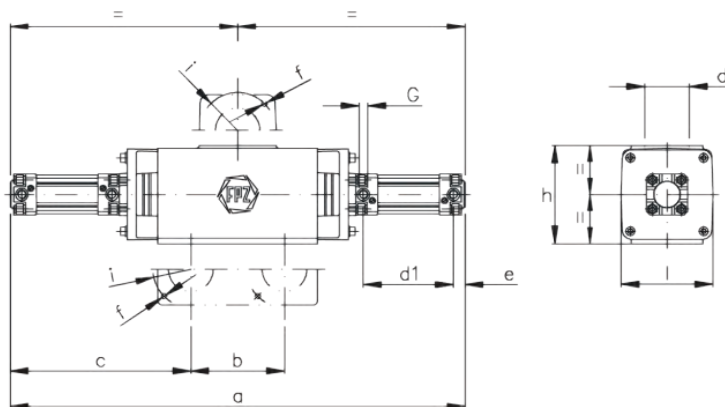


Mo d	a	a1	b	b1	c	d	d1	e	f	G	H	h1	h2	h3	i	l	m	n	n1	o
VS-6	392	417	105	106	109	101	50	13	2xM6	1/8"	110	140	85	30	85	110	162	230	255	88
VS-8	485	510	152	165	134	101	80	13	4xM6	1/8"	160	225	145	65	120	150	210	275	300	110

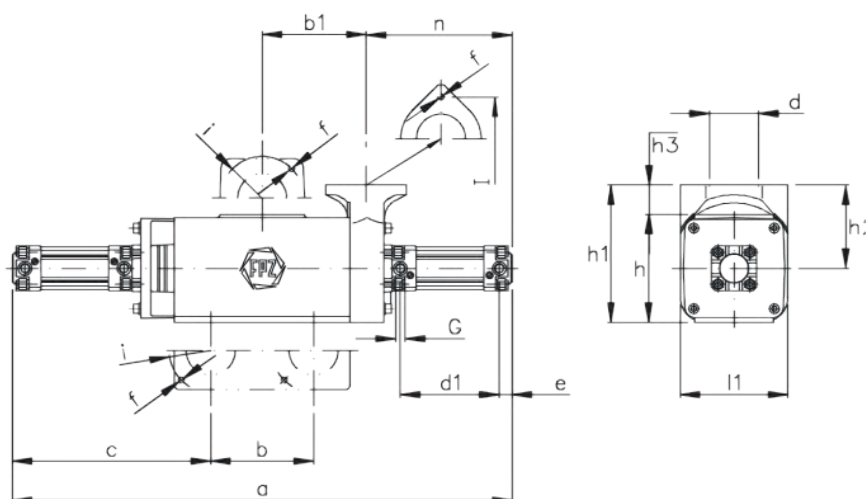
DIMENSIONS (Y/H/K)

Overall dimensions with pneumatic drive

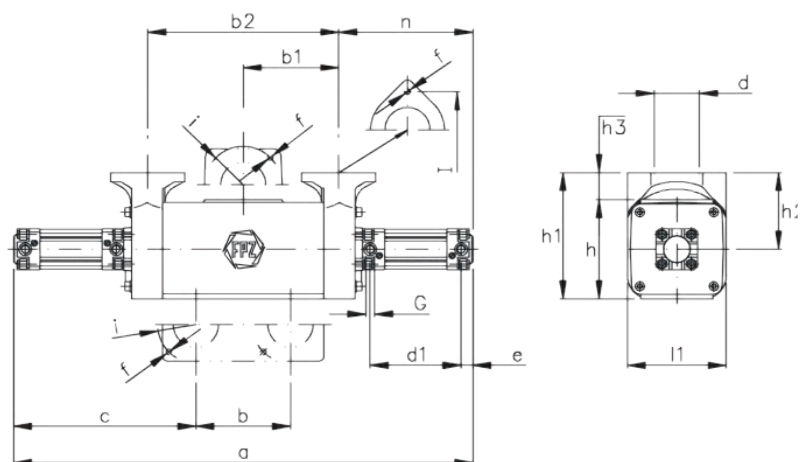
VERSION Y



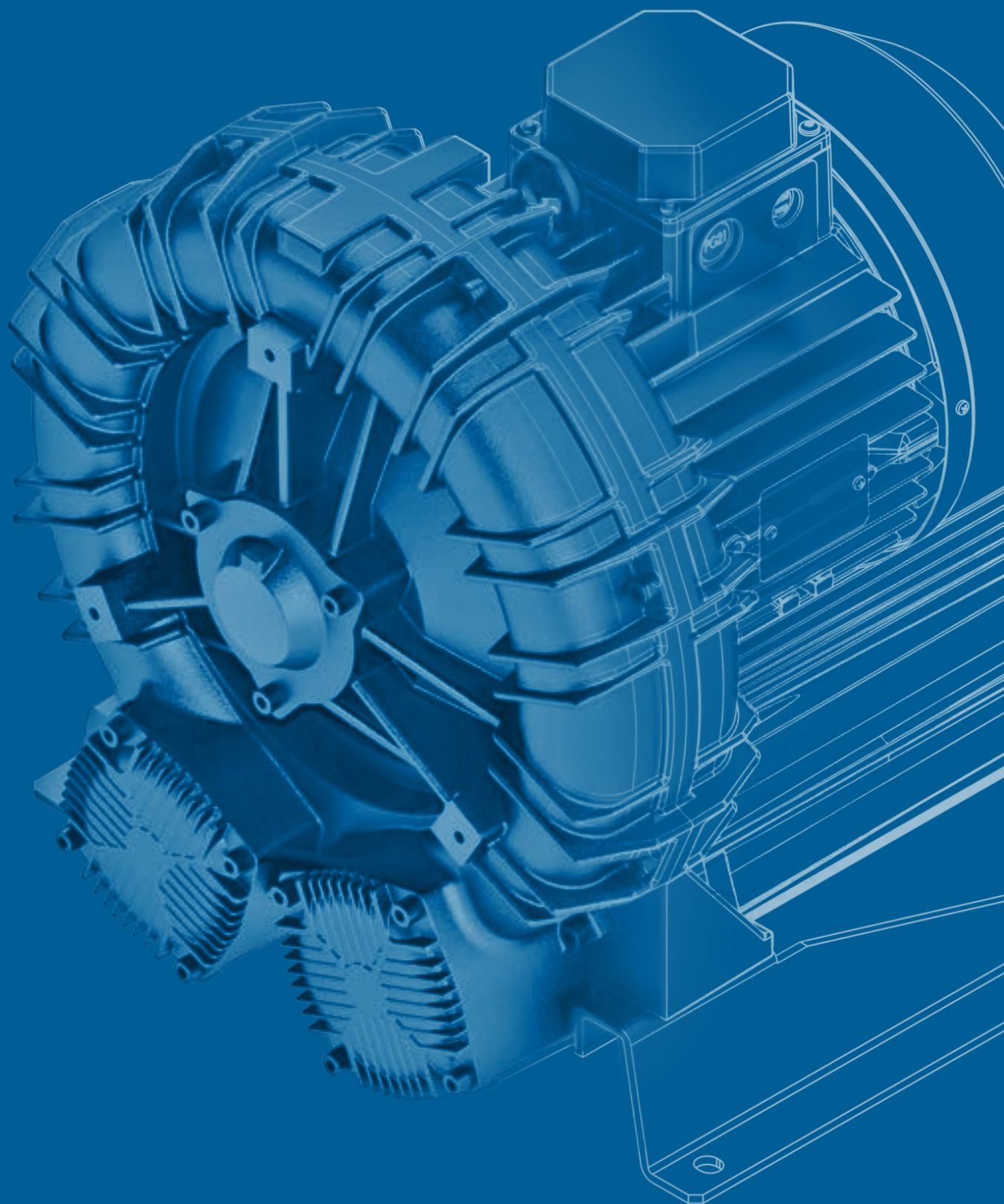
VERSION H



VERSION K



Mod	CONTROL	a	b	b1	B2	c	d	d1	e	f	G	h	h1	h2	h3	i	l	L1	n
V5-6	PNEUMATIC	510	10 5	106	212	203	50	101	13	2xM6	1/8"	110	140	85	30	85	100	110	149
V5-8	PNEUMATIC	600	152	165	330	224	80	101	13	4xM6	1/8"	160	225	145	65	120	150	150	135



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