

FPZ
BLOWER TECHNOLOGY

SERIES K-MS MOR



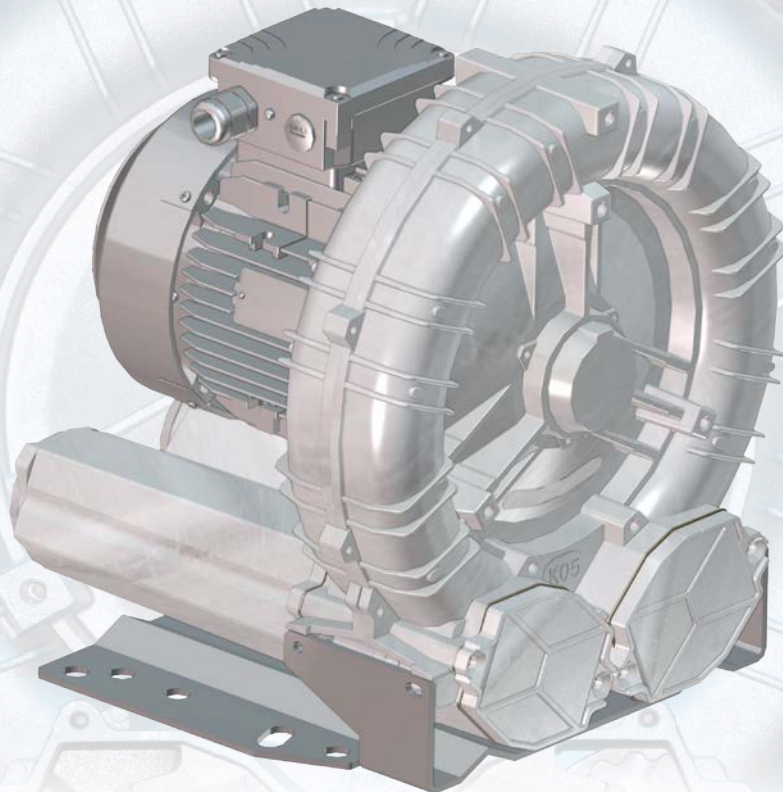
IE2 VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

OPTIONS

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



Data sheet

LATERAL CHANNEL BLOWER-EXHAUSTER

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =



PRESSURE

Model	N 2900 rpm [kW]	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]
K04-MS	1,1	1,25	137	166	200	175	62,8	64,8	20
	1,5	1,7	137	166	250	250	63	65	24
K05-MS	1,5	1,7	219	265	175	160	68,5	70,5	28
	2,2	2,5	219	265	270	260	68,8	70,8	30,5
K06-MS	3	3,4	219	265	300	350	69,1	71,1	36
	2,2	2,5	304	366	160	125	71	73	35
	3	3,4	304	366	240	220	71,3	73,3	37,5
K07-MS	4	4,6	304	366	340	325	71,6	73,6	47
	4	4,6	414	499	280	250	75,5	77,5	59
K08-MS	5,5	6,3	414	499	350	375	75,8	77,8	71,5
	5,5	6,3	536	647	250	250	76,5	78,5	73
K09-MS	7,5	8,6	536	647	375	350	76,8	78,8	81,5
	5,5	6,3	663	800	210	150	76,7	78,7	82,5
K10-MS	7,5	8,6	663	800	290	250	77	79	91
	9,2	10,6	663	800	350	325	77,2	79,2	100
	11	12,6	663	800	425	400	77,5	79,5	122
K11-MS	7,5	8,6	782	944	225	175	77	79	93,5
	9,2	10,6	782	944	300	270	77,5	79,5	102,5
	11	12,6	782	944	350	325	77,9	79,9	124,5
K12-MS	15	17,2	782	944	450	475	78,1	80,1	143
	11	12,6	915	1105	300	250	78,9	80,9	128
	15	17,2	915	1105	400	350	79,2	81,5	146,5
K75-MS	18,5	21,2	915	1105	475	475	82,1	84,1	148,5
	11	12,6	1022	1234	200	150	79,4	81,4	131,5
K12-MS	15	17,2	1022	1234	300	275	79,7	81,7	150
	18,5	21,2	1022	1234	425	375	82,6	84,6	152
K75-MS	5,5	6,3	477	576	250	200	76,2	78,2	72
	7,5	8,6	477	576	325	300	76,5	78,5	80,5


ELECTRIC MOTORS IE2: 3phase motor only, starting from 0,75 kW

INSTALLATION

- For proper use, the blower should be equipped with inlet FILTER and Flow 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 if MOR range, without motor if GOR or GVR range.

N: Installed motor power

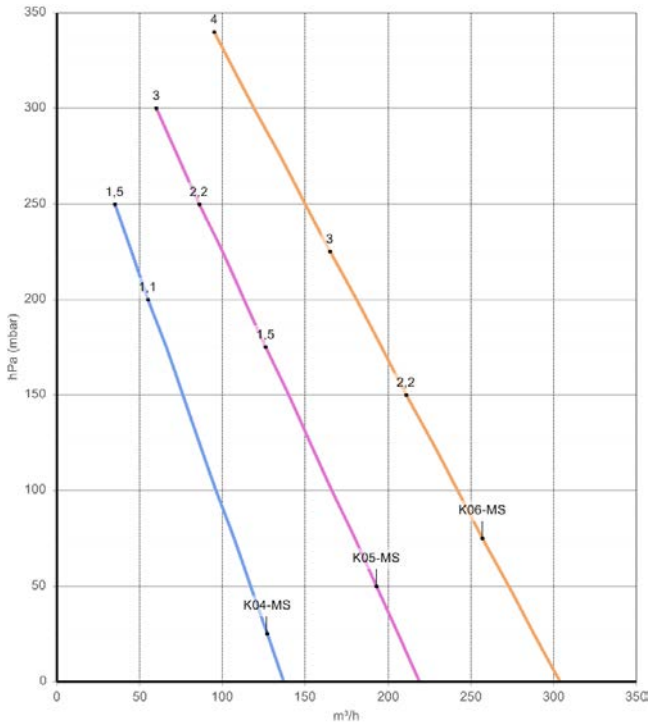
Q: Flow rate

P: Differential pressure

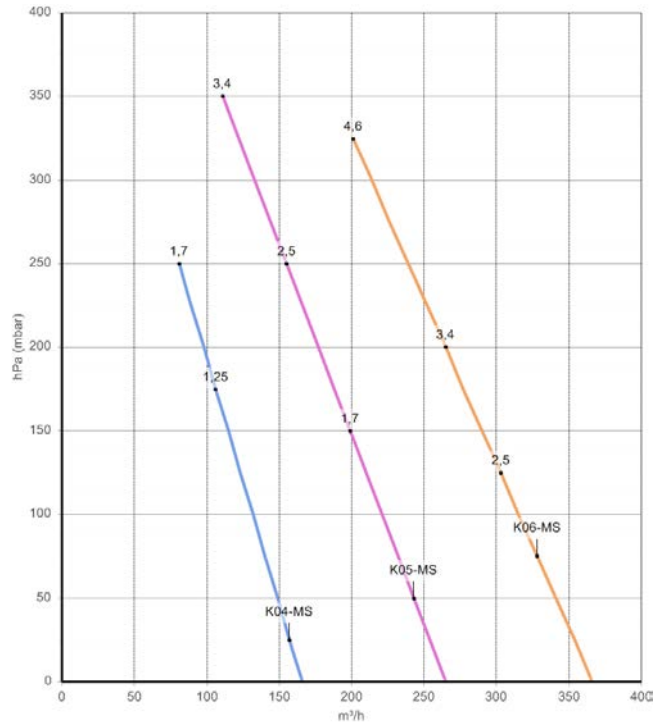
Leq: Noise

PRESSURE

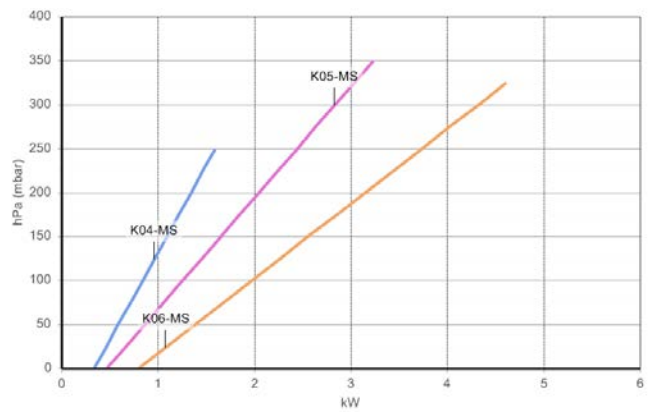
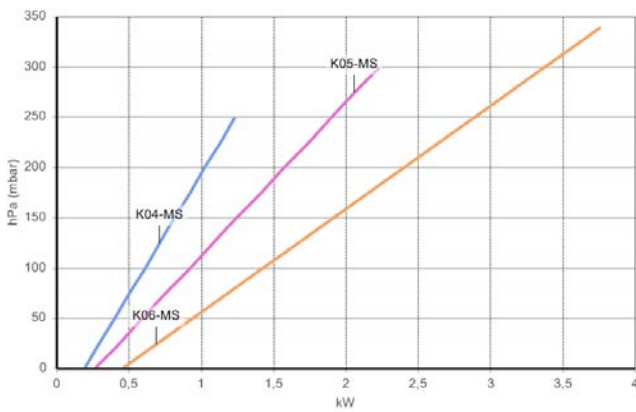
2900 rpm (50 Hz)



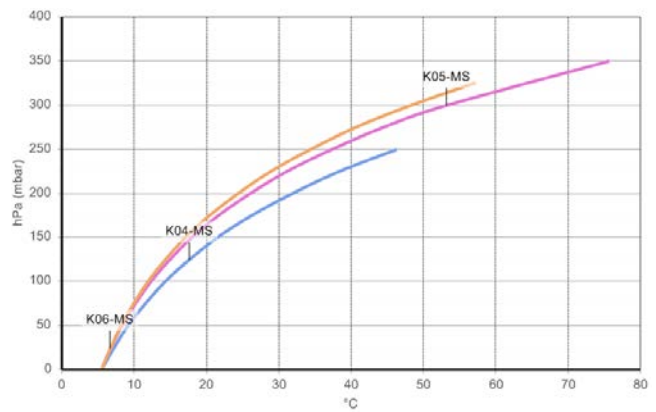
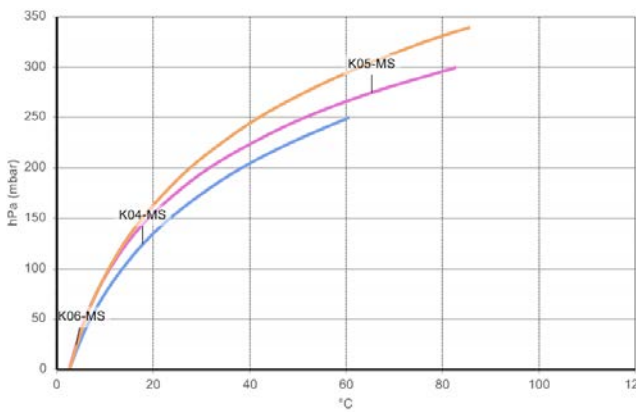
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER



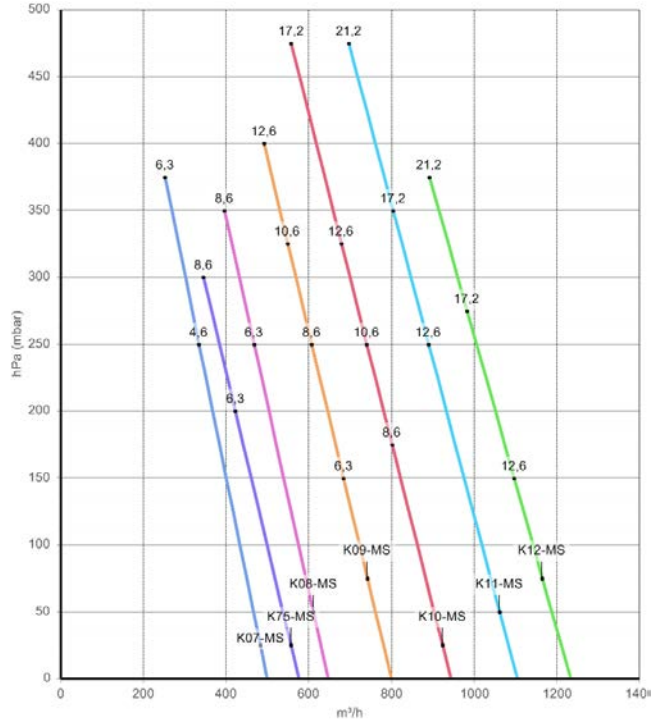
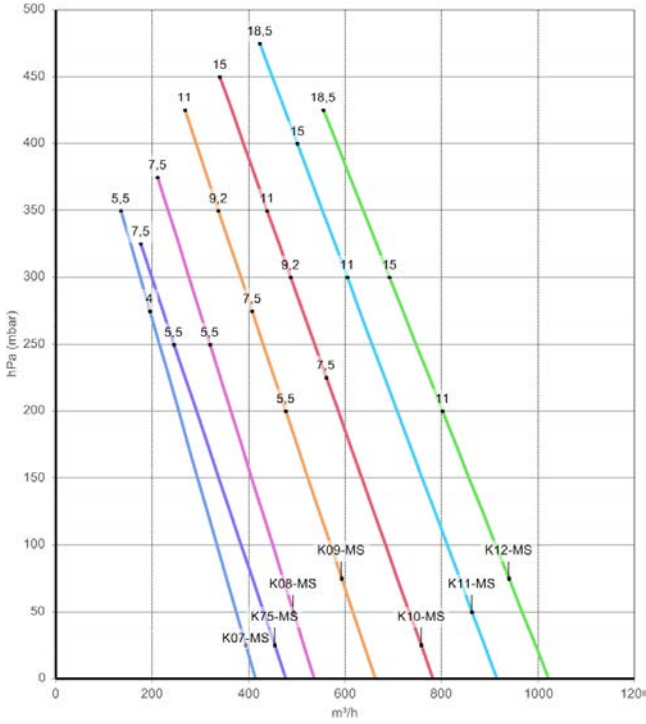
TEMPERATURE INCREASE

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

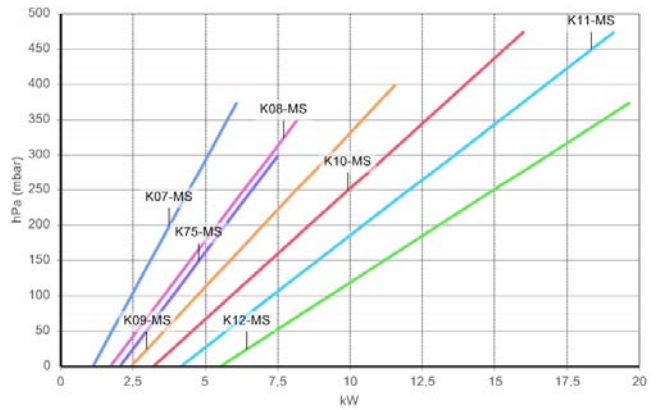
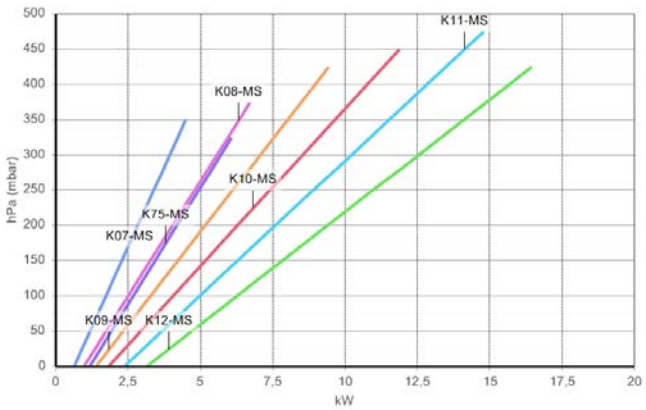
PRESSURE

2900 rpm (50 Hz)

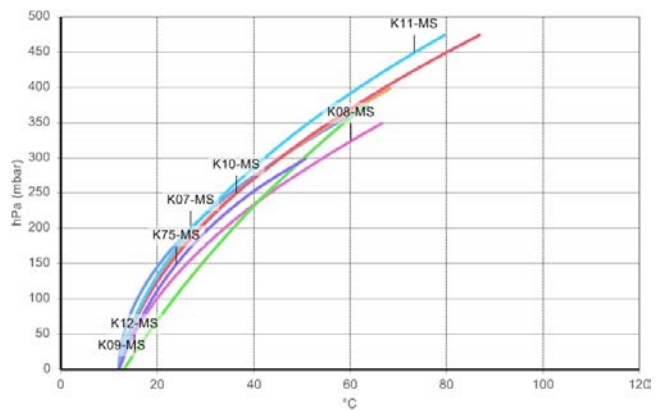
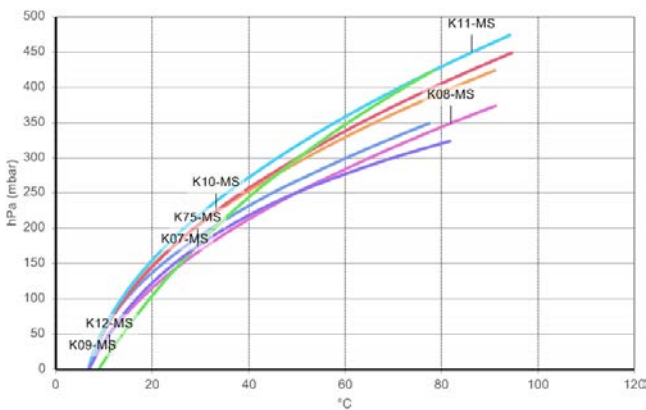
3500 rpm (60 Hz)



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

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m ³ /h]	Q max 3500 rpm [m ³ /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]
K04-MS	1,1	1,25	137	166	200	175	61,8	63,8	20
	1,5	1,7	137	166	-	250	-	64	24
K05-MS	1,5	1,7	219	265	175	160	67,5	69,5	28
	2,2	2,5	219	265	240	260	67,8	69,8	30,5
K06-MS	3	3,4	219	265	-	275	-	70,1	36
	2,2	2,5	304	366	160	125	70	72	35
	3	3,4	304	366	240	220	70,3	72,3	37,5
K07-MS	4	4,6	304	366	270	275	70,6	72,6	47
	4	4,6	414	499	280	250	74,5	76,5	59
K08-MS	5,5	6,3	414	499	-	-	-	-	71,5
	5,5	6,3	536	647	250	250	75,6	77,6	73
K09-MS	7,5	8,6	536	647	300	325	75,9	77,9	81,5
	5,5	6,3	663	800	210	150	75,8	77,8	82,5
K10-MS	7,5	8,6	663	800	290	250	76,1	78,1	91
	9,2	10,6	663	800	-	-	-	-	100
	11	12,6	663	800	-	-	-	-	122
K11-MS	7,5	8,6	782	944	225	175	76,2	78,2	93,5
	9,2	10,6	782	944	300	270	76,7	78,7	102,5
	11	12,6	782	944	325	325	77	79	124,5
	15	17,2	782	944	-	-	-	-	143
K12-MS	11	12,6	915	1105	300	250	79,5	81,5	128
	15	17,2	915	1105	350	350	80,3	82,3	146,5
K75-MS	18,5	21,2	915	1105	-	-	-	-	148,5
	11	12,6	1022	1234	200	150	80	82	131,5
	15	17,2	1022	1234	300	275	80,8	82,8	150
K75-MS	18,5	21,2	1022	1234	325	350	83,7	85,7	152
	5,5	6,3	477	576	250	200	75,2	77,2	72
K75-MS	7,5	8,6	477	576	-	-	-	-	80,5

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 if MOR range, without motor if GOR or GVR range.

N: Installed power

Q: Flow rate

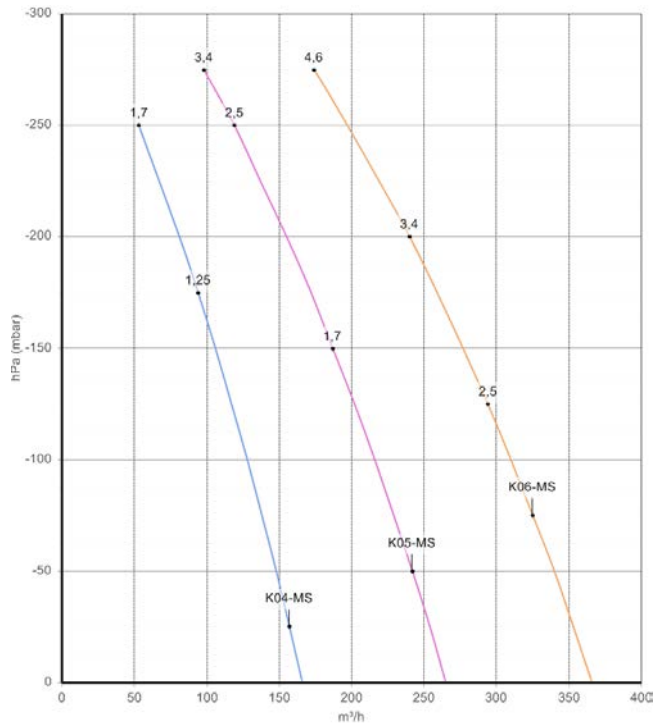
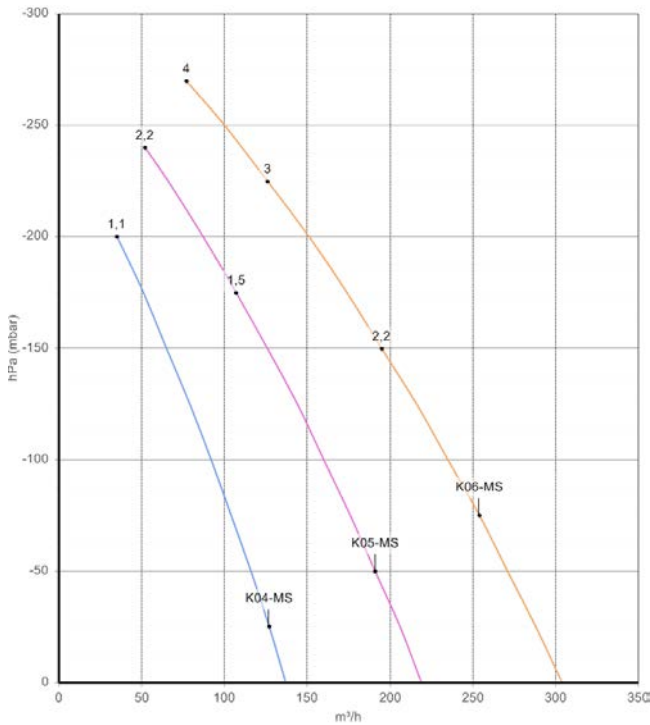
P: Differential pressure

Leq: Noise

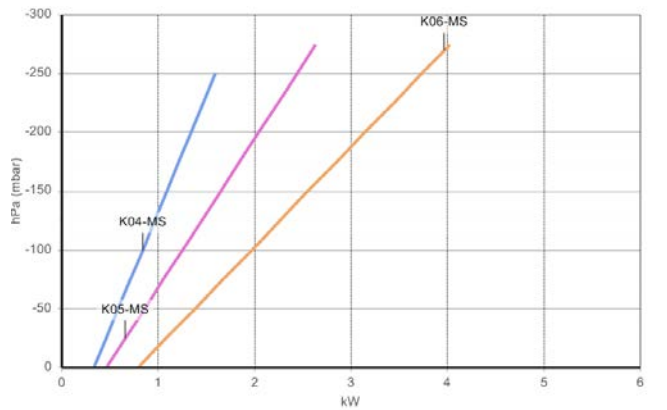
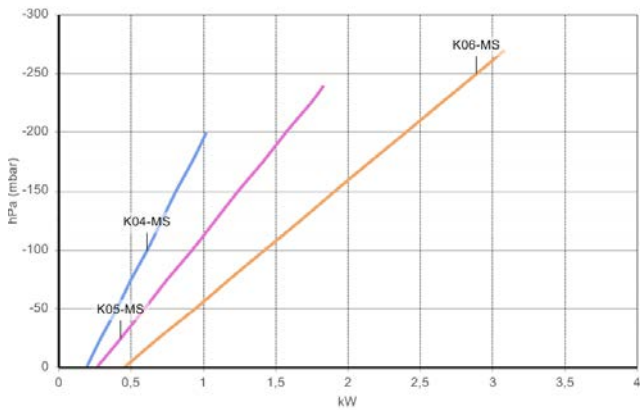
VACUUM

2900 rpm (50 Hz)

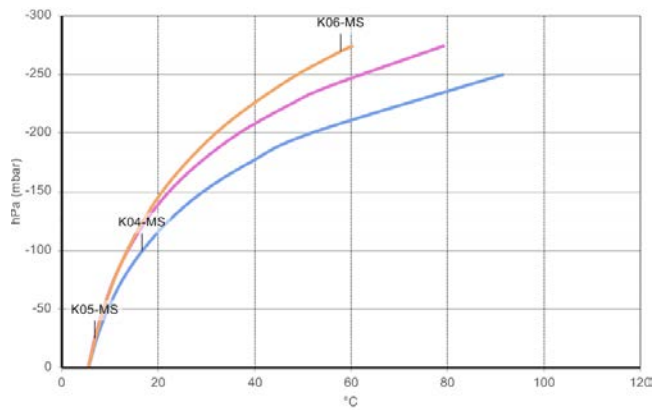
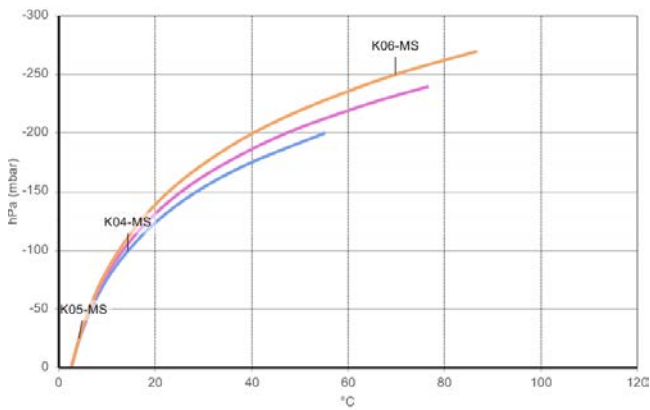
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER

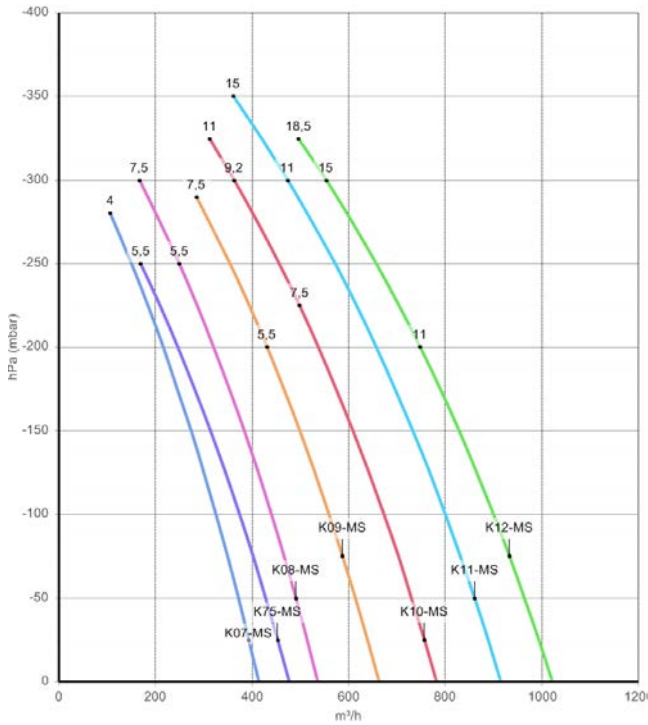


TEMPERATURE INCREASE

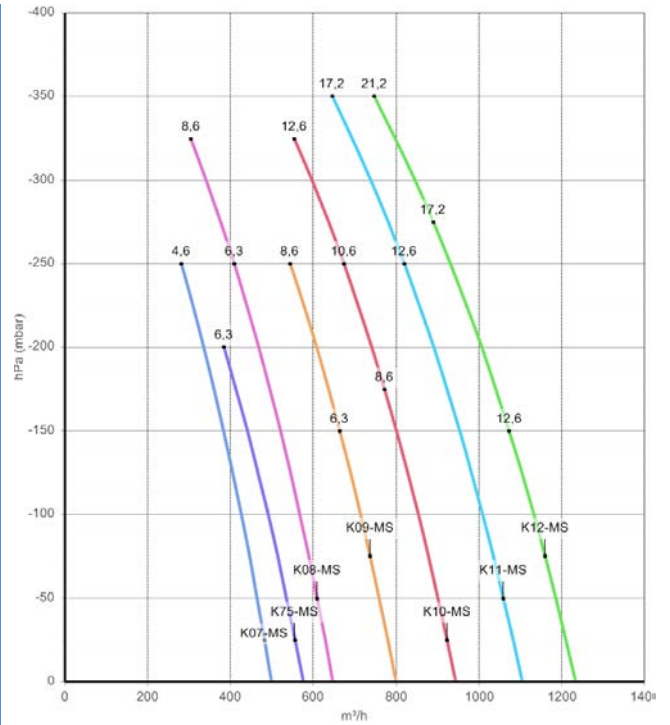
Curves refer to air at 20°C (68° F) temperature, measured at inlet port and 1013 mbar (29.92 In Hg) atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: ± 10% tolerance
Data can change without prior notice.

VACUUM

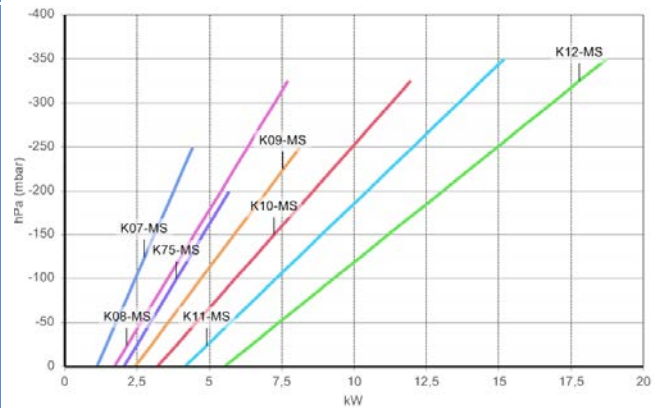
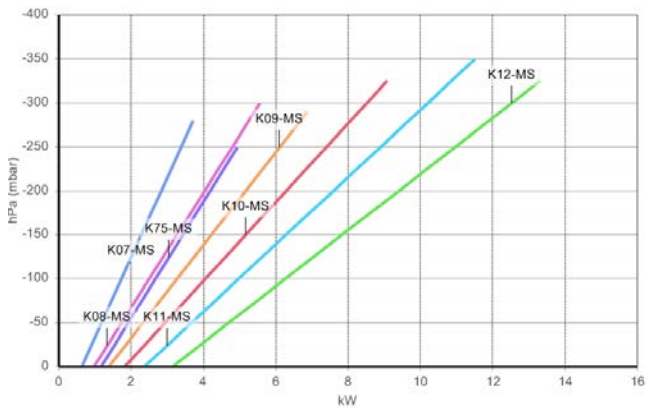
2900 rpm (50 Hz)



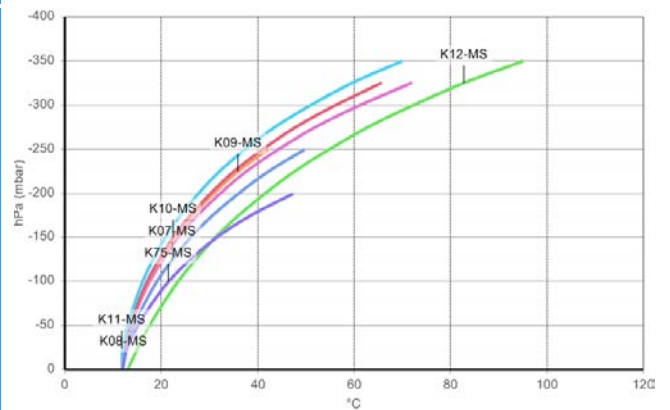
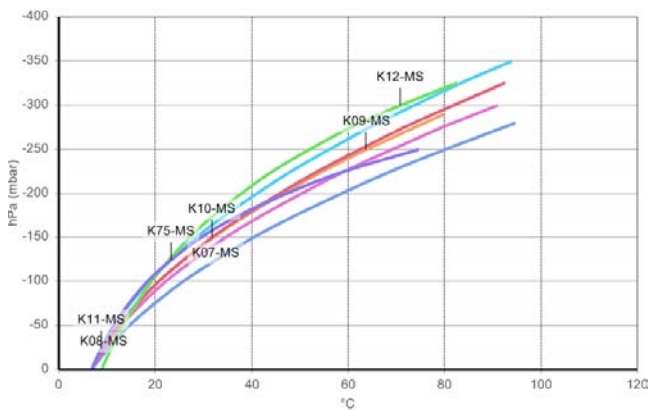
3500 rpm (60 Hz)



FLOW RATE



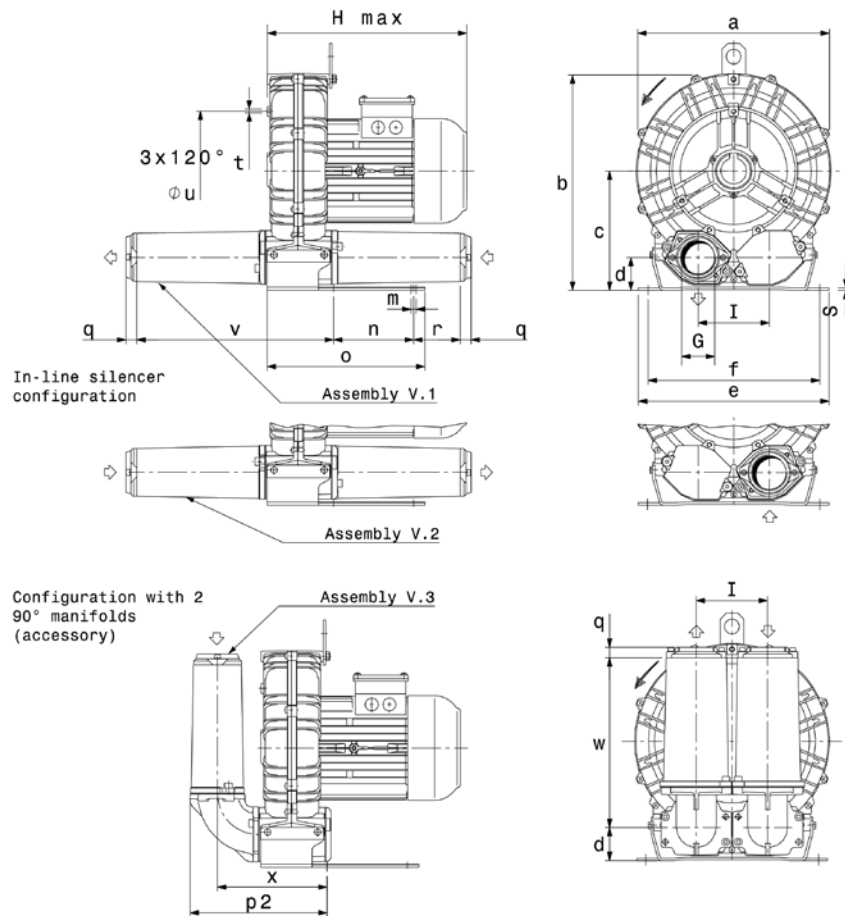
ABSORBED POWER



TEMPERATURE INCREASE

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

DIMENSIONS (K04-MS/K05-MS/K06-MS)

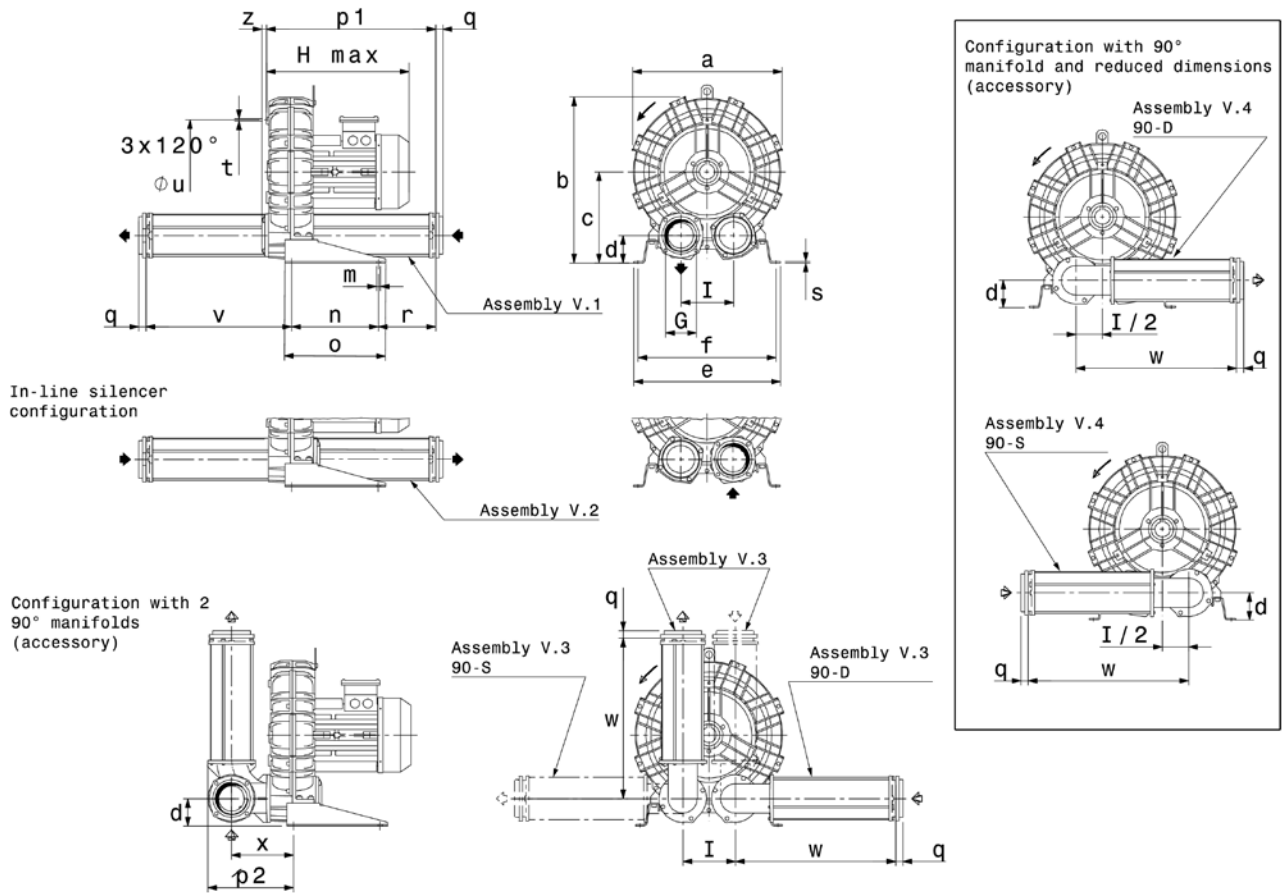


Dimensions in mm - FOR REFERENCE ONLY

Model	a	b	c	d	e	f	G	H
K04-MS	285	315	172	49	255	225	G 1" 1/2	345
K05-MS	327	365	200	54	320	260	G 2"	365
K06-MS	376	393	205	54	325	290	G 2"	415

Model	i	m	n	o	p1	p2	q	r
K04-MS	102	12	95	171	222	160	18	70
K05-MS	120	15	115	265	320	230	18	98
K06-MS	125	15	140	272	334	244	18	85

Model	s	t	u	v	w	x	z
K04-MS	4	M6	175	195	188	120	18
K05-MS	4	M8	200	330	285	184	19
K06-MS	4	M8	240	332	285	198	19

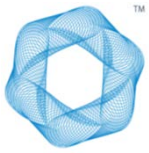
DIMENSIONS (K07-MS/K08-MS/K09-MS/K10-MS/K11-MS/K12-MS/K75-MS)


Dimensions in mm - FOR REFERENCE ONLY

Model	a	b	c	d	e	f	G	H
K07-MS	424	481	269	82	468	438	G 3"	470
K08-MS	457	498	269	82	478	448	G 3"	470
K09-MS	492	561	315	96	508	478	G 4"	600
K10-MS	516	573	315	96	508	478	G 4"	600
K11-MS	542	603	332	91	540	508	G 4"	605
K12-MS	548	605	332	91	540	508	G 4"	610
K75-MS	424	481	269	82	468	438	G 3"	470

Model	i	m	n	o	p1	p2	q	r
K07-MS	155	13	300	350	512	255	25	137
K08-MS	155	13	300	350	512	255	25	137
K09-MS	182	13	300	350	586	300	25	199
K10-MS	182	13	300	350	586	300	25	199
K11-MS	200	13	300	350	596	305	25	204
K12-MS	200	13	300	350	599	305	25	204
K75-MS	155	13	300	350	512	255	25	137

Model	s	t	u	v	w	x	z
K07-MS	5	M8	295	443	481	183	16
K08-MS	5	M8	310	443	481	183	16
K09-MS	5	M8	360	505	556	215	16
K10-MS	5	M8	360	505	556	215	16
K11-MS	5	M8	390	510	556	200	16
K12-MS	5	M8	390	510	556	220	13
K75-MS	5	M8	295	443	481	183	16



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