



FPZ
BLOWER TECHNOLOGY

SERIES K-MS MOR



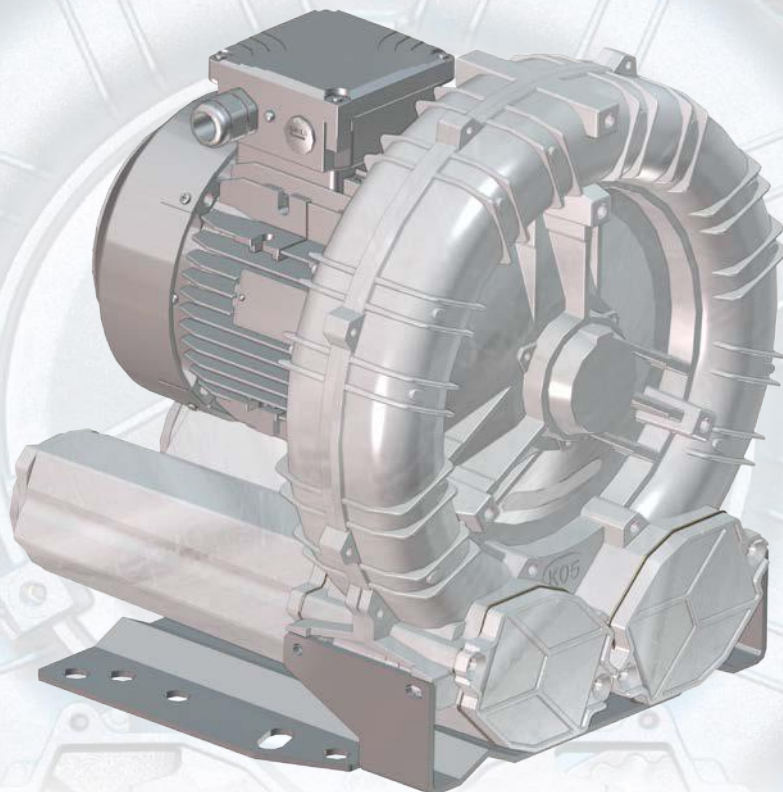
IE2 VERSION

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
	3	3,4	219	265	300	350	69,1	71,1	36
K06-MS	2,2	2,5	304	366	160	125	71	73	35
	3	3,4	304	366	240	220	71,3	73,3	37,5
	4	4,6	304	366	340	325	71,6	73,6	47
K07-MS	4	4,6	414	499	280	250	75,5	77,5	59
	5,5	6,3	414	499	350	375	75,8	77,8	71,5
K08-MS	5,5	6,3	536	647	250	250	76,5	78,5	73
	7,5	8,6	536	647	375	350	76,8	78,8	81,5
K09-MS	5,5	6,3	663	800	210	150	76,7	78,7	82,5
	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
K10-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
	15	17,2	782	944	450	475	78,1	80,1	143
K11-MS	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
	18,5	21,2	915	1105	475	475	82,1	84,1	148,5
K12-MS	11	12,6	1022	1234	200	150	79,4	81,4	131,5
	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

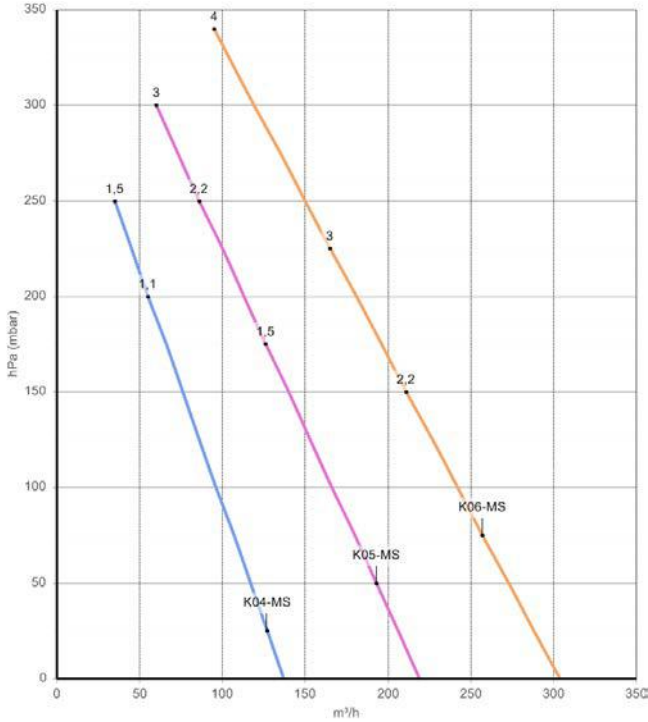
Q: Flow rate

P: Differential pressure

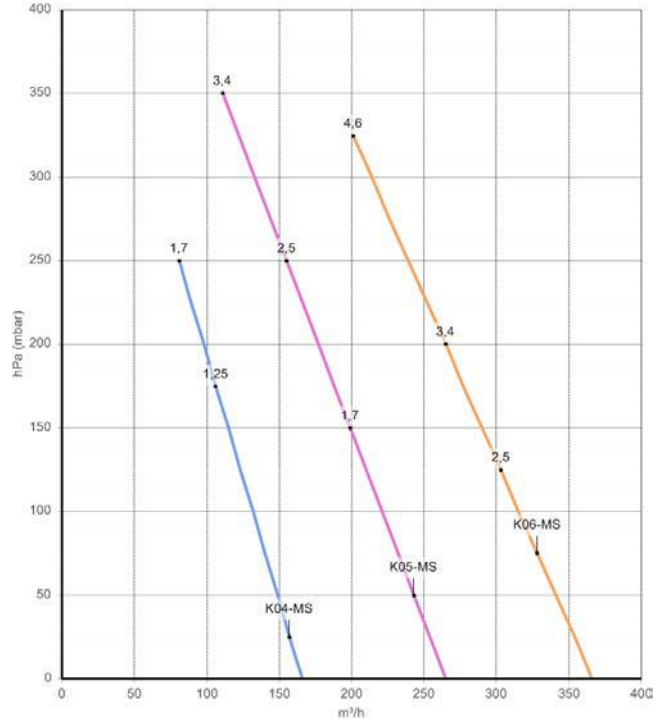
Leq: Noise

PRESSURE

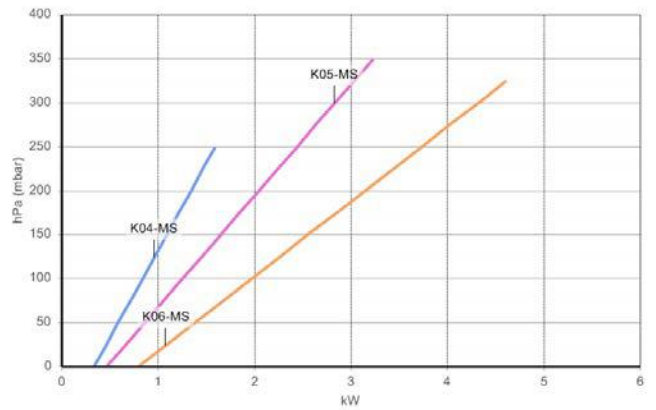
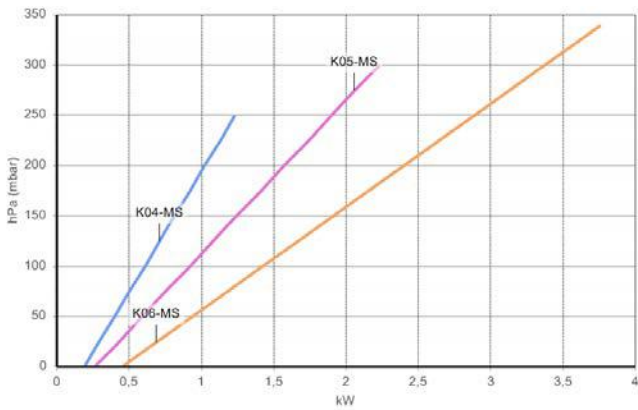
2900 rpm (50 Hz)



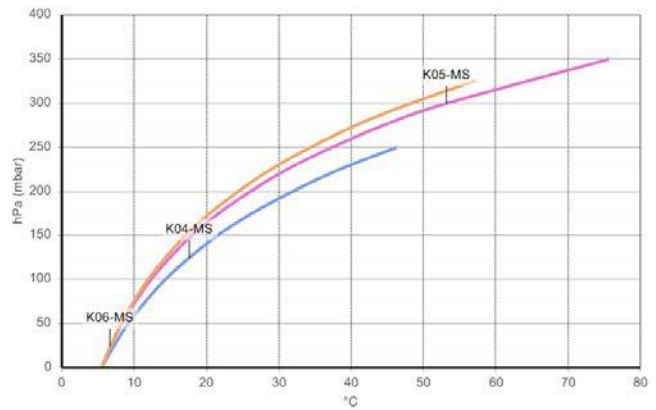
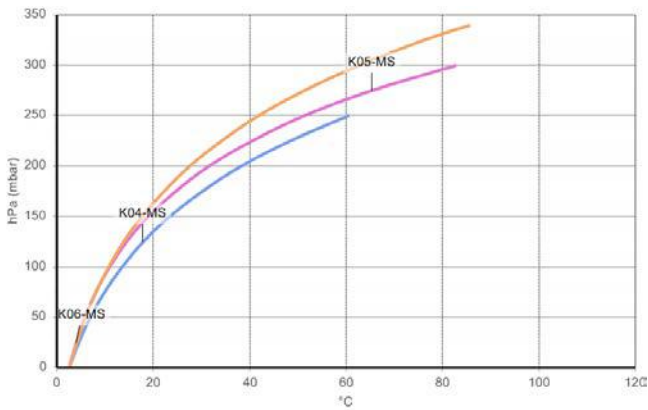
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER



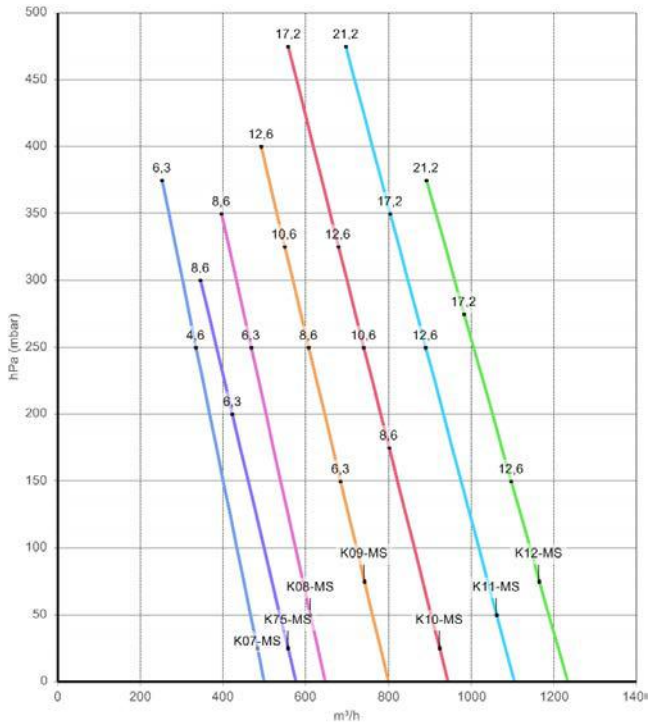
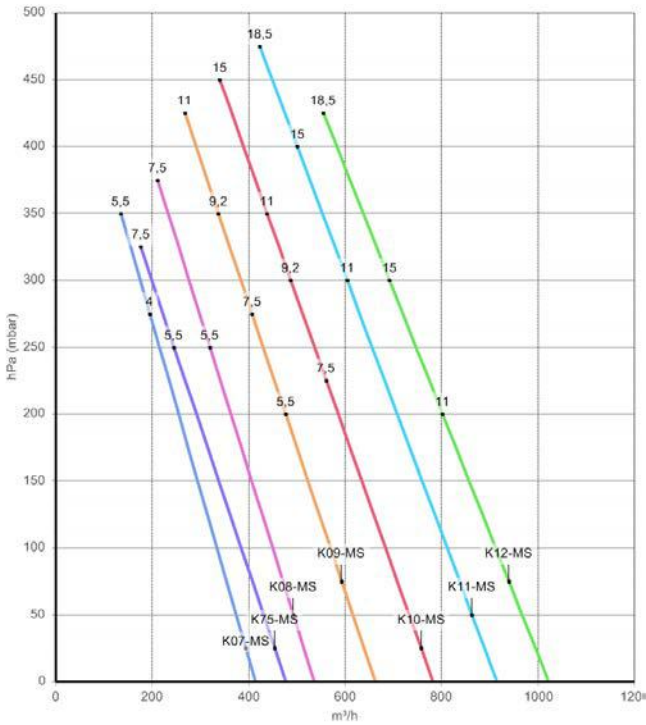
TEMPERATURE INCREASE

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

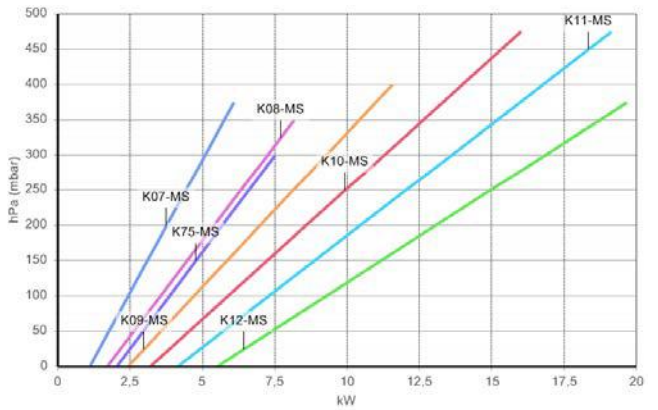
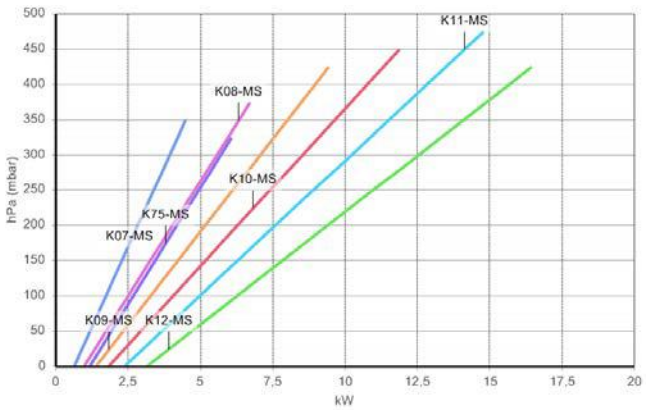
PRESSURE

2900 rpm (50 Hz)

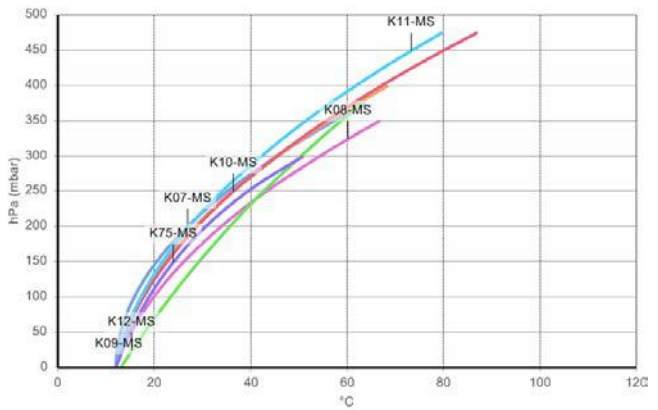
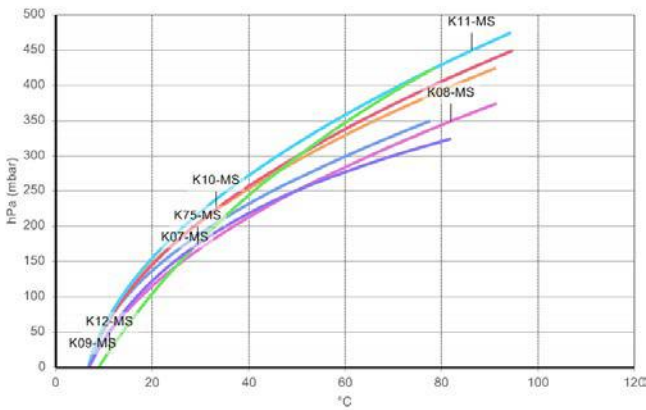
3500 rpm (60 Hz)



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	76,2	78,2	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

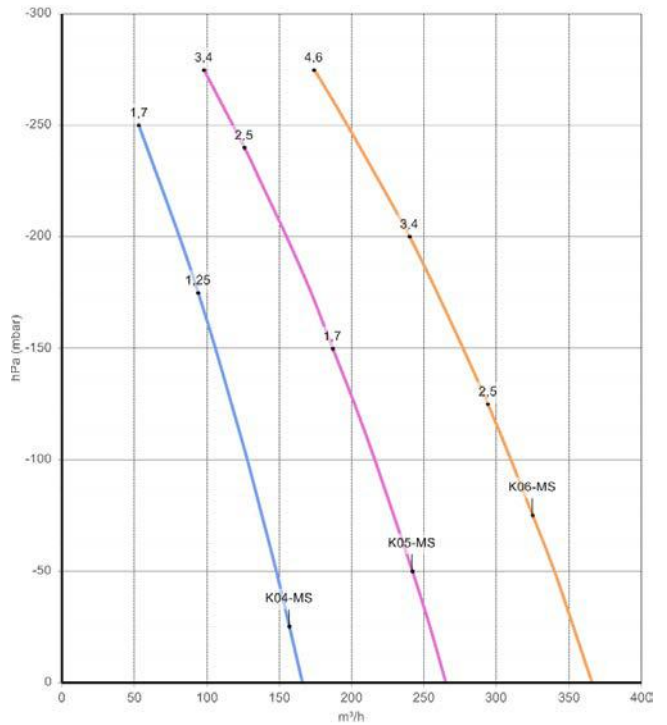
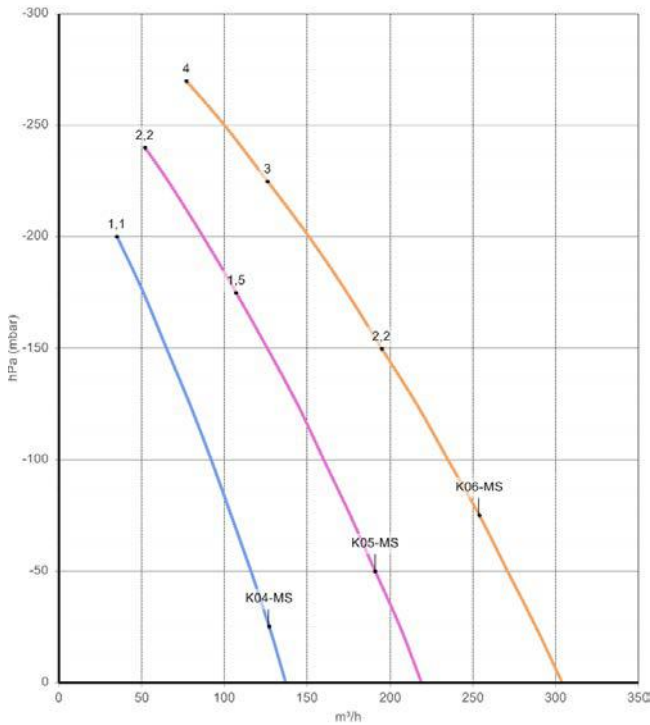
P: Differential pressure

Leq: Noise

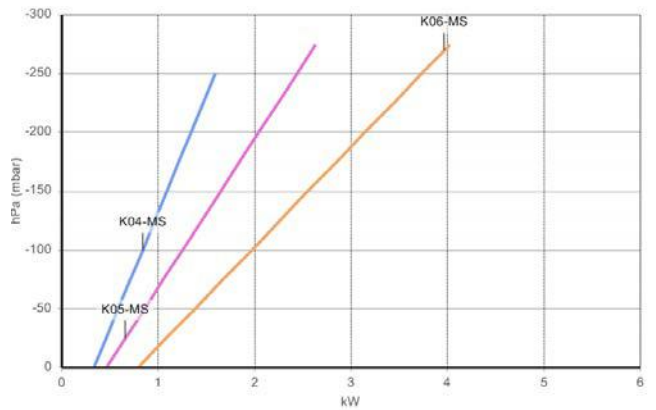
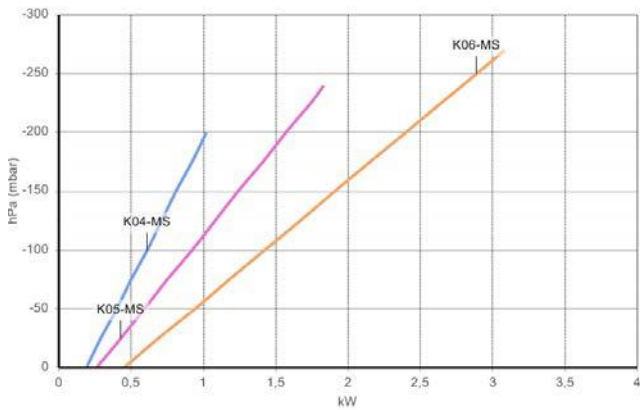
VACUUM

2900 rpm (50 Hz)

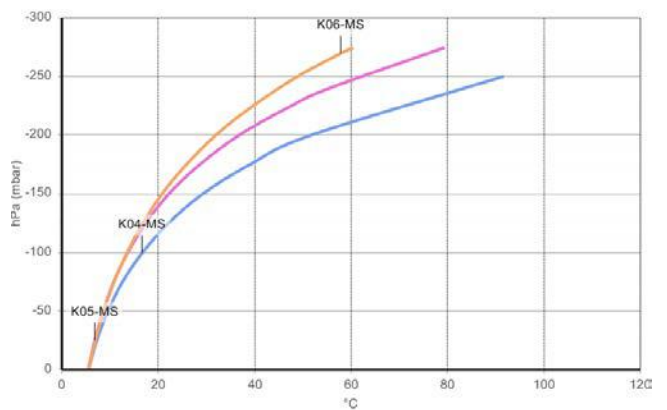
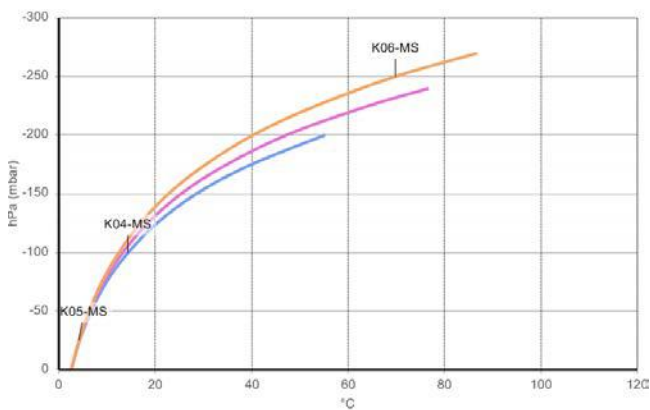
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER

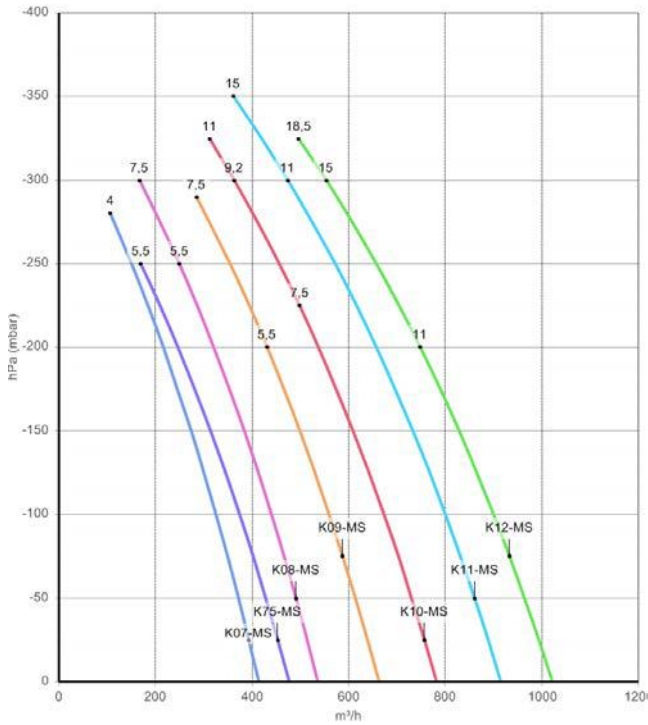


TEMPERATURE INCREASE

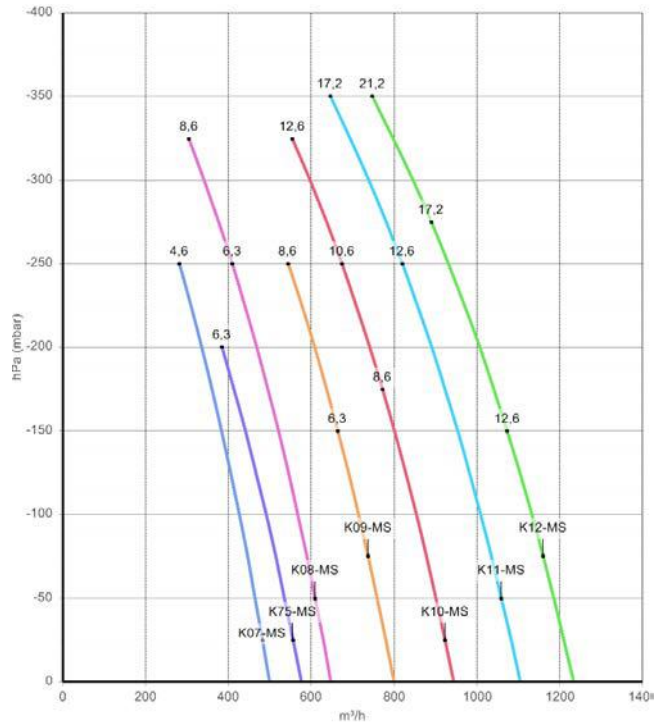
Curves refer to air at 20°C (68° F) temperature, measured at inlet port and 1013 mbar (29.92 In Hg) atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: ± 10% tolerance
 Data can change without prior notice.

VACUUM

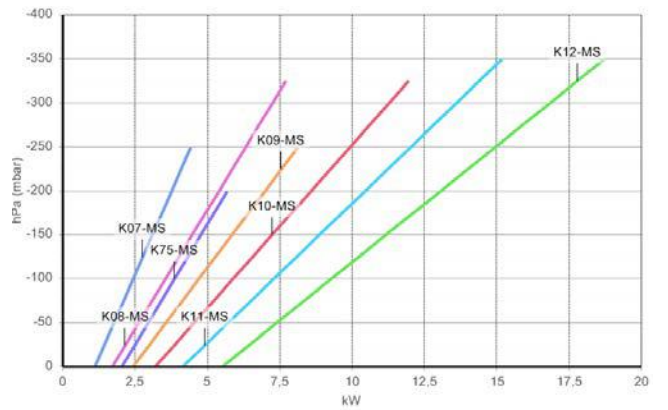
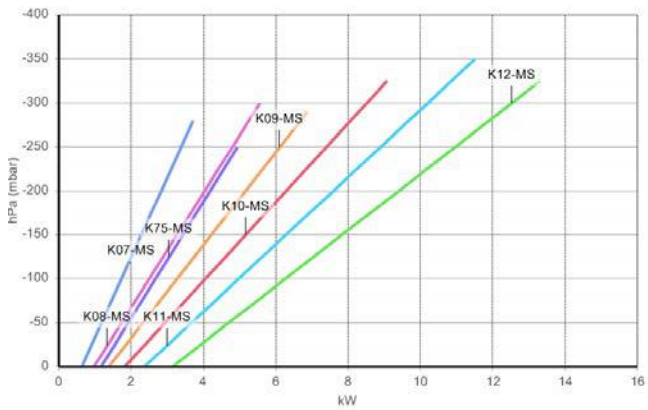
2900 rpm (50 Hz)



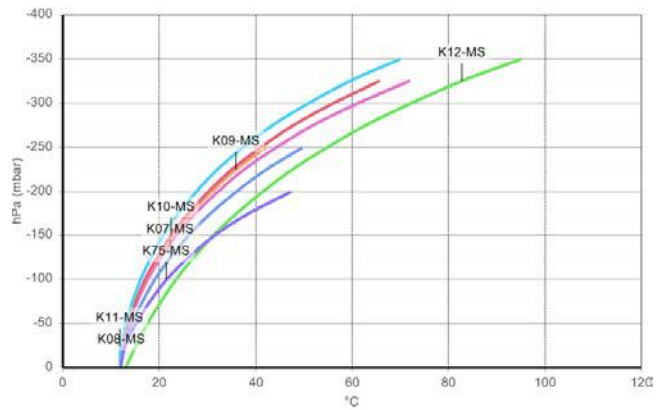
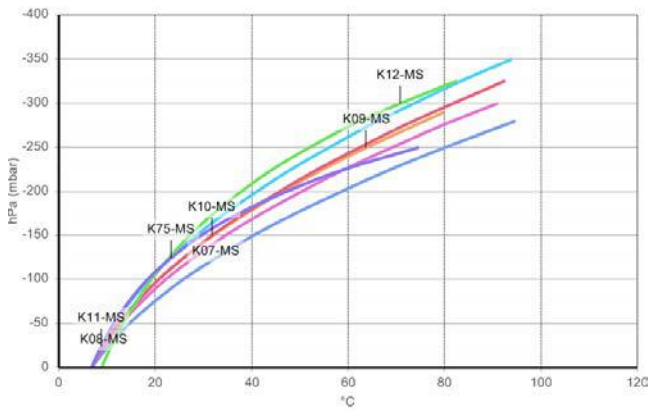
3500 rpm (60 Hz)



FLOW RATE



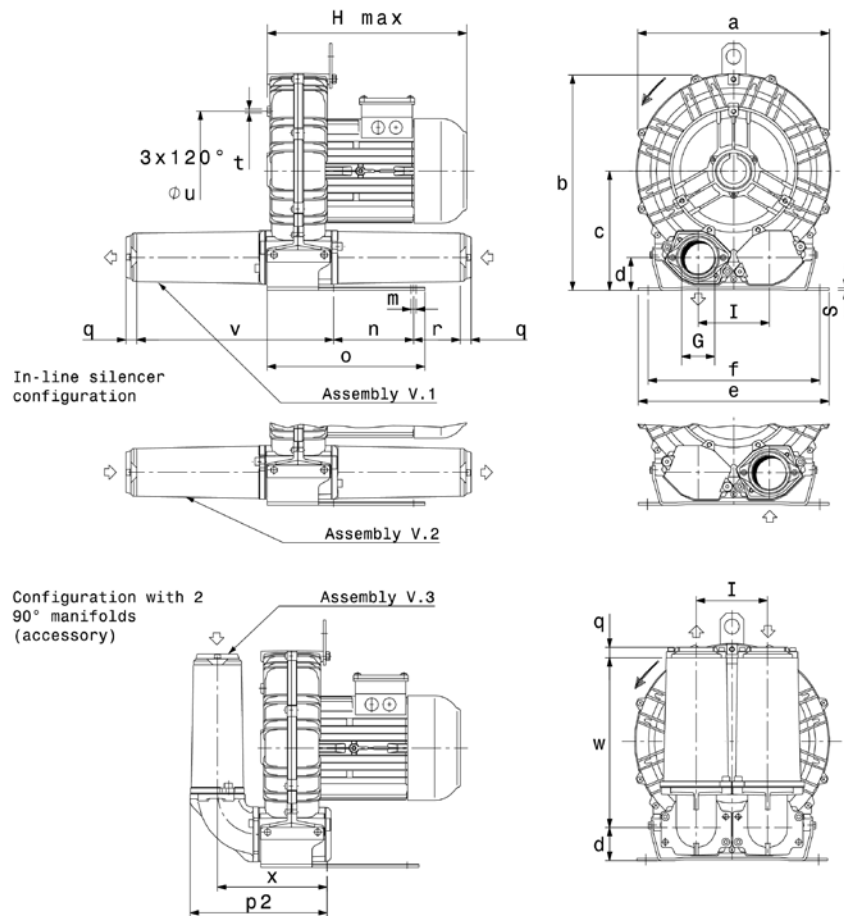
ABSORBED POWER



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)

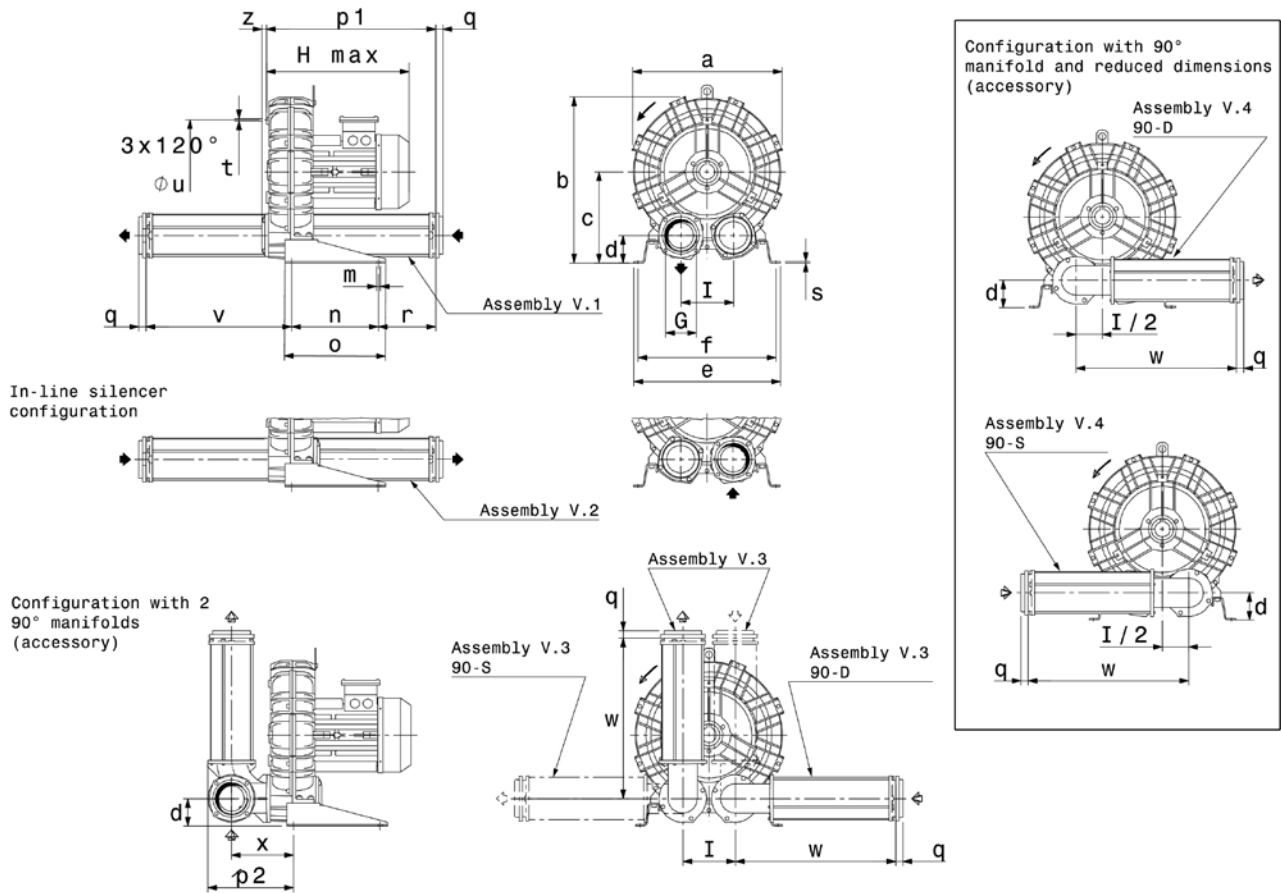


Dimensions in mm - FOR REFERENCE ONLY

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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