

FPZ
BLOWER TECHNOLOGY

ENERGOECONOM
spol. s r.o.

SERIES K-MS MOR

ATEX II 2G c T3 VERSION

TECHNICAL CHARACTERISTICS

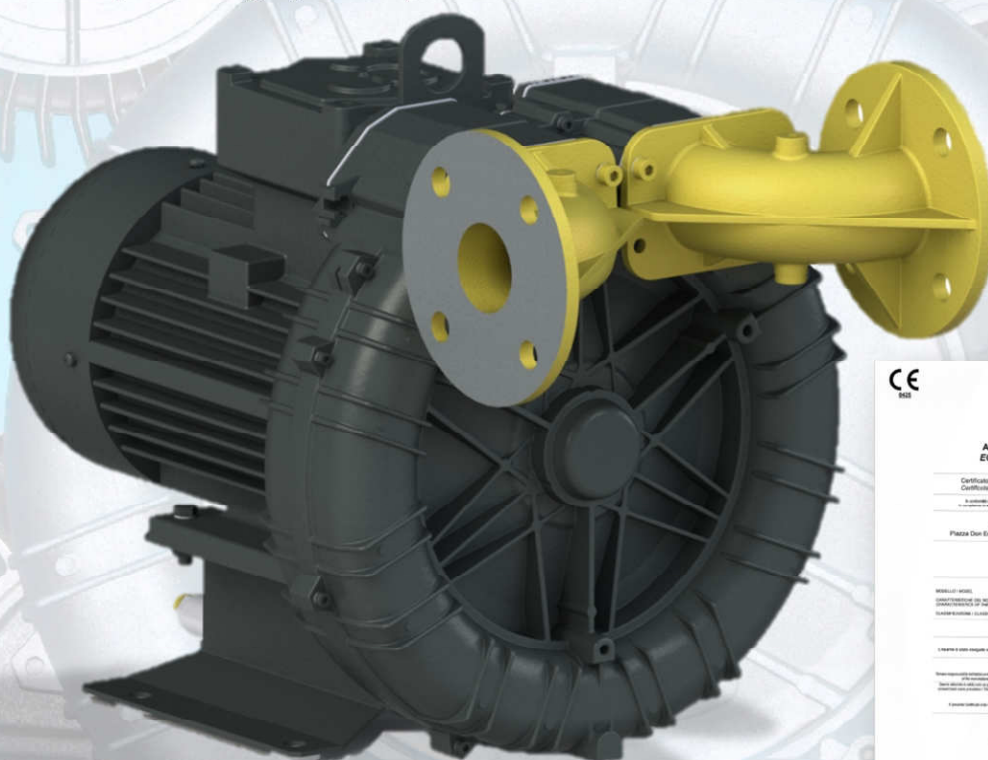
- Aluminium alloy construction
- High efficiency impeller
- Protection treatment of surfaces
- For Group IIB classified gases and Biogas
- Connection for flange PN16 DN50 complying with UNI EN 1092-1
-

OPTIONS

- Without condensate drain
- Motors IP65
- Special Voltages (IEC 60038)

Data sheet

LATERAL CHANNEL BLOWERS-EXHAUSTERS



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]	Size ³	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 [kg]
K05-MS	1,5	1,8	207	250	90S	150	125	74,9	75,9	46,5
	2,2	2,6	207	250	90L	250	225	75,6	77,3	49,5
K06-MS	3	3,6	305	364	90L	200	175	79,9	81,7	55
	4	4,8	305	364	100L	300	275	81,3	83,4	66

VACUUM

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size ³	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 [kg]
K05-MS	1,5	1,8	207	250	90S	150	150	73,0	75,2	46,5
	2,2	2,6	207	250	90L	225	225	74,5	77,0	49,5
K06-MS	3	3,6	305	364	90L	200	175	73,4	77,9	55
	4	4,8	305	364	100L	225	250	75,0	79,8	66

SPECIFICATIONS

BLOWER:

- Classification ATEX II 2Gc T3
- Complete with condensate drain

MOTOR:

- Classification ATEX II 2G T3
- Including PTC protection

INSTALLATION

- For proper operation of the machine it must be equipped with a suction ATEX FILTER.
- Permissible suction and ambient temperature from -15° to +40°C
- Read the instructions carefully before installing the machine
- Data not binding and subject to change without notice
- Horizontal only

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.

³ Electric motor's construction form.

N: Installed motor power

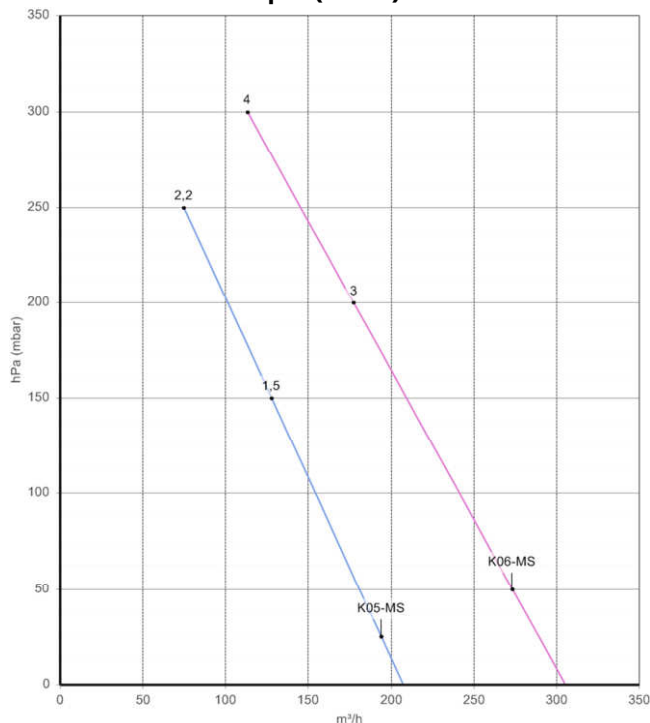
Q: Flow rate

ΔP: Differential pressure

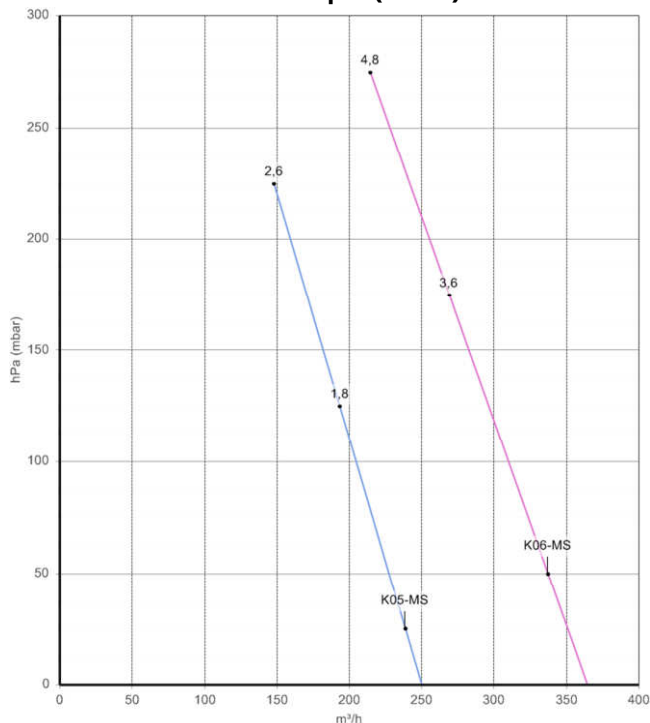
Leq: Noise level

PRESSURE

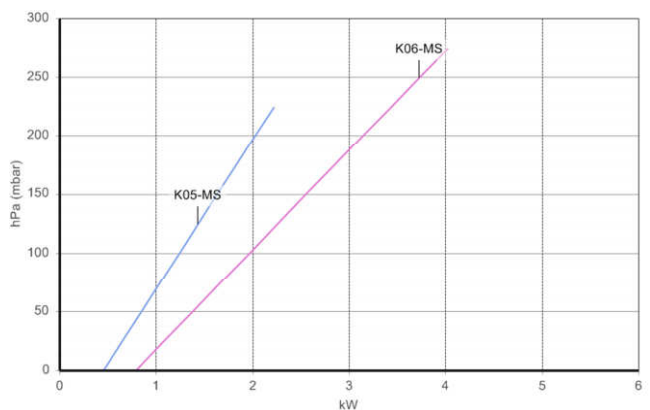
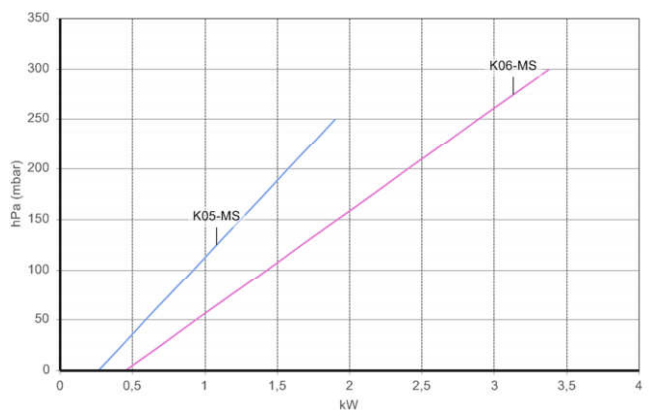
2900 rpm (50 Hz)



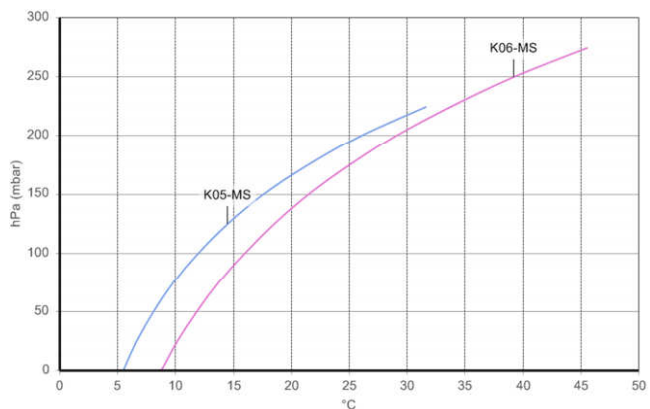
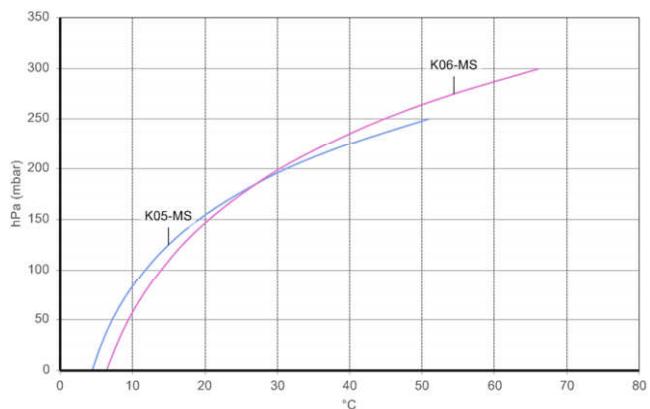
3500 rpm (60 Hz)



FLOW RATE

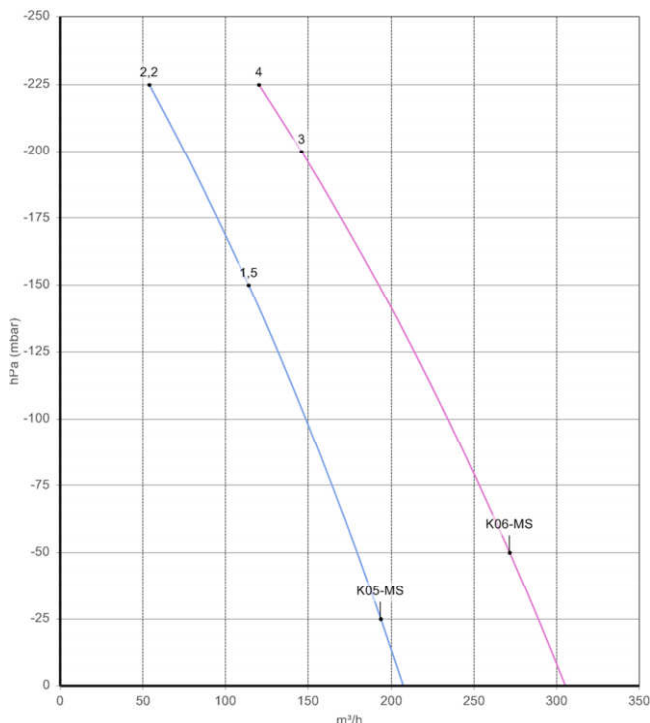
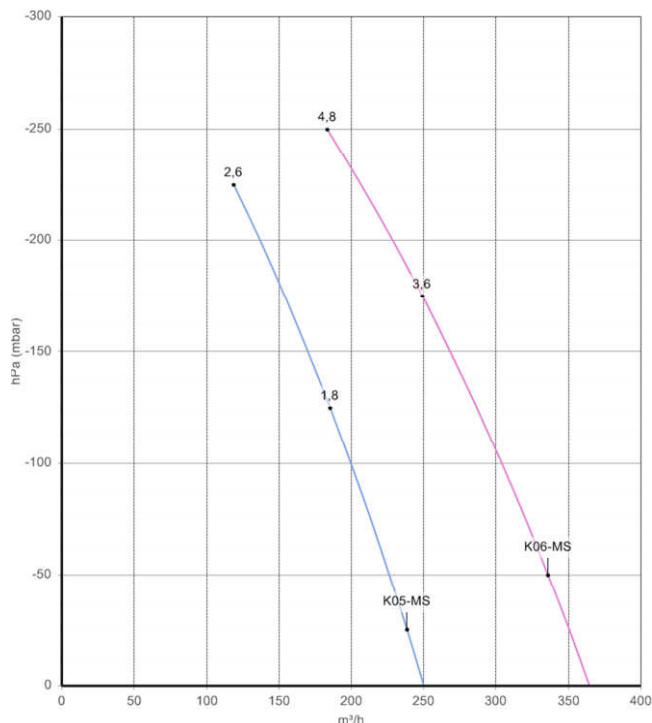
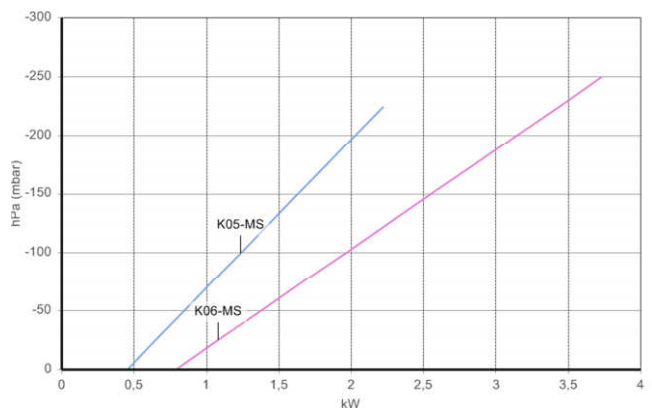
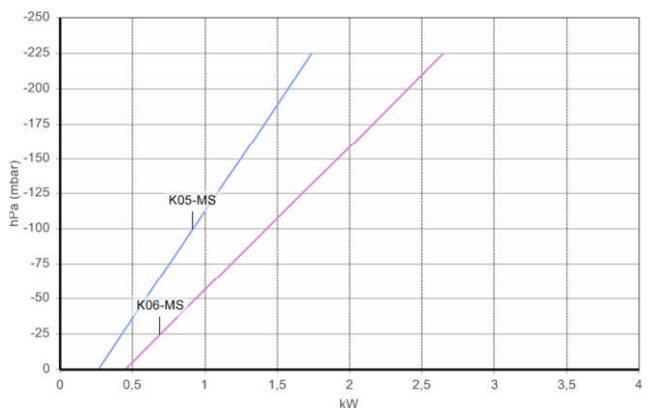
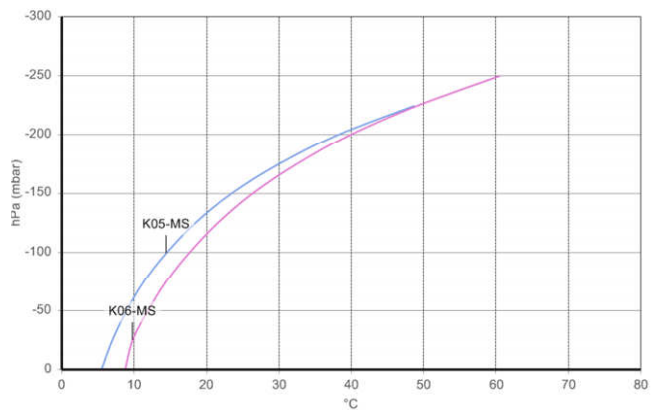
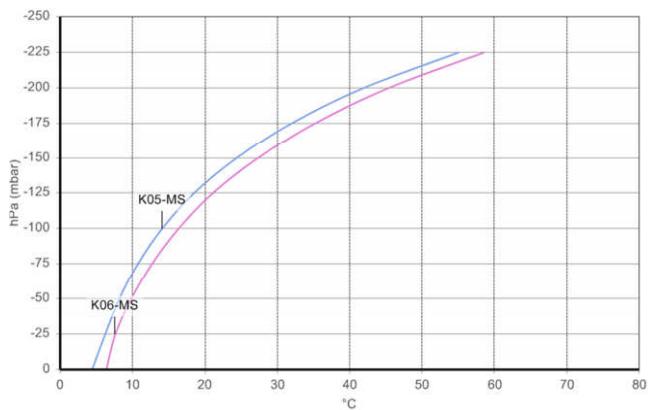


ABSORBED POWER

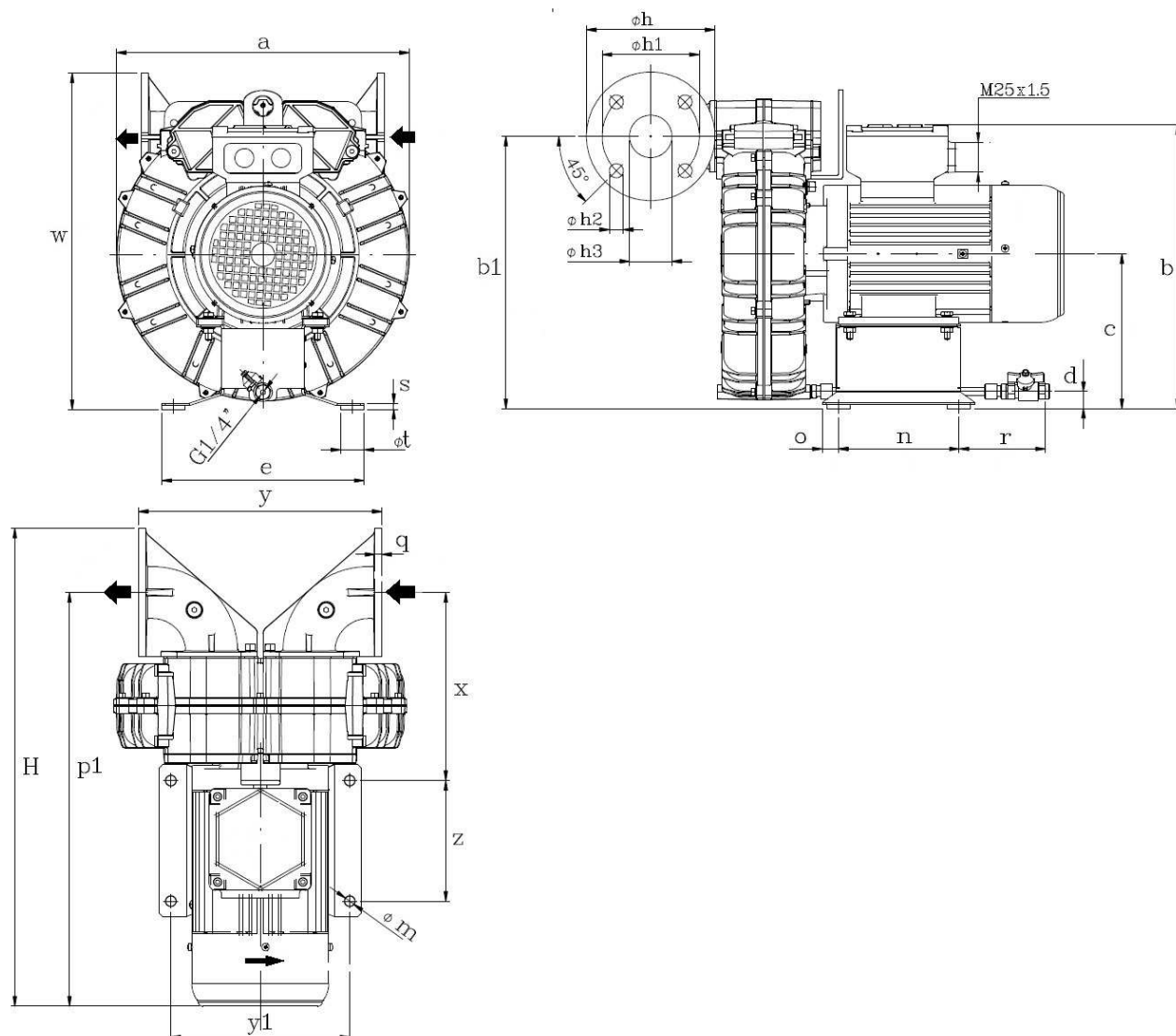


TEMPERATURE INCREASE

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, 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 (K05-MS/K06-MS)


Dimensions in mm - FOR REFERENCE ONLY

Model	M.E.	a	b	b1	c	d	e	H
K05-MS	90S	327	354	334	189	35	260	580
K05-MS	90L	327	354	334	189	35	260	600
K06-MS	90L	376	364	350	199	22	260	614
K06-MS	100L	376	383	350	199	22	260	671

Model	h	h1	h2	h3	m	n	o	p1
K05-MS	165	125	18	54.5	13	155	43	497
K05-MS	165	125	18	54.5	13	155	43	517
K06-MS	165	125	18	54.5	13	155	21	532
K06-MS	165	125	18	54.5	13	155	20	589

Model	q	r	s	t	w	x	y	y1	z
K05-MS	9	113	8	30	416	225	308	230	155
K05-MS	9	113	8	30	416	225	308	230	155
K06-MS	9	111	8	30	432	242	313	230	155
K06-MS	9	108	8	30	432	244	313	230	155

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TMD ATEX II 2G c T3 VERSION

- Aluminium alloy construction
- High efficiency impeller
- Surface treatments
- Certified by ICIM with Cert. n.0425 ATEX 2493

- **Special Voltages (IEC 60038)**



LATERAL CHANNEL BLOWERS-EXHAUSTERS





PRESSURE

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size ³	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]
K07-MS	4	4	397	480	112 B5	225	175	77	79	64
	5,5	5,5	397	480	132 B5	300	250	77,3	79,3	68,5
	7,5	7,5	397	480	132 B5	-	350	-	79,6	68,5
K08-MS	5,5	5,5	501	605	132 B5	220	175	78	80	73
	7,5	7,5	501	605	132 B5	325	250	78,3	80,3	73
	11	11	501	605	160 B5	-	375	-	80,6	76
K09-MS	5,5	5,5	657	792	132 B5	175	100	78,2	80,2	87
	7,5	7,5	657	792	132 B5	250	175	78,5	80,5	87
	11	11	657	792	160 B5	350	300	79	81	90
	15	15	657	792	160 B5	-	400	-	81,3	90
K10-MS	7,5	7,5	784	946	132 B5	175	125	79,4	81,4	88
	11	11	784	946	160 B5	275	225	79,6	81,6	91
	15	15	784	946	160 B5	400	350	80	82	91
	18,5	18,5	784	946	160 B5	-	400	-	84,9	91
K11-MS	7,5	7,5	889	1073	132 B5	125	-	80	-	92
	11	11	889	1073	160 B5	225	175	80,4	82,4	95
	15	15	889	1073	160 B5	375	275	80,7	82,7	95
	18,5	18,5	889	1073	160 B5	-	375	-	85,6	95

VACUUM

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size ³	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]
K07-MS	4	4	397	480	112 B5	225	175	76	78	64
	5,5	5,5	397	480	132 B5	250	250	76,3	78,3	68,5
	7,5	7,5	397	480	132 B5	-	300	-	78,6	68,5
K08-MS	5,5	5,5	501	605	132 B5	220	160	77,1	79,1	73
	7,5	7,5	501	605	132 B5	275	250	77,7	79,4	73
	11	11	501	605	160 B5	-	300	-	79,9	76
K09-MS	5,5	5,5	657	792	132 B5	175	100	77,3	79,3	87
	7,5	7,5	657	792	132 B5	250	175	77,6	79,6	87
	11	11	657	792	160 B5	300	300	78,1	80,1	90
	15	15	657	792	160 B5	-	-	-	-	90
K10-MS	7,5	7,5	784	946	132 B5	175	125	77,7	79,7	88
	11	11	784	946	160 B5	300	225	78,5	80,5	91
	15	15	784	946	160 B5	-	325	-	80,7	91
	18,5	18,5	784	946	160 B5	-	-	-	-	91
K11-MS	7,5	7,5	889	1073	132 B5	125	-	80	-	92
	11	11	889	1073	160 B5	225	175	81	83	95
	15	15	889	1073	160 B5	300	275	81,8	83,8	95
	18,5	18,5	889	1073	160 B5	-	325	-	86,7	95

INSTALLATION

- For proper use, the blower should be equipped with inlet ATEX FILTER.
- 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.

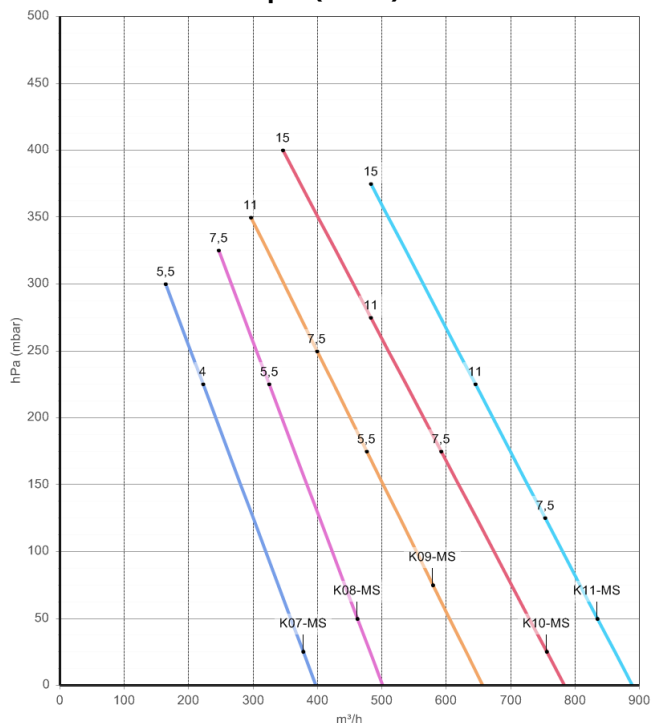
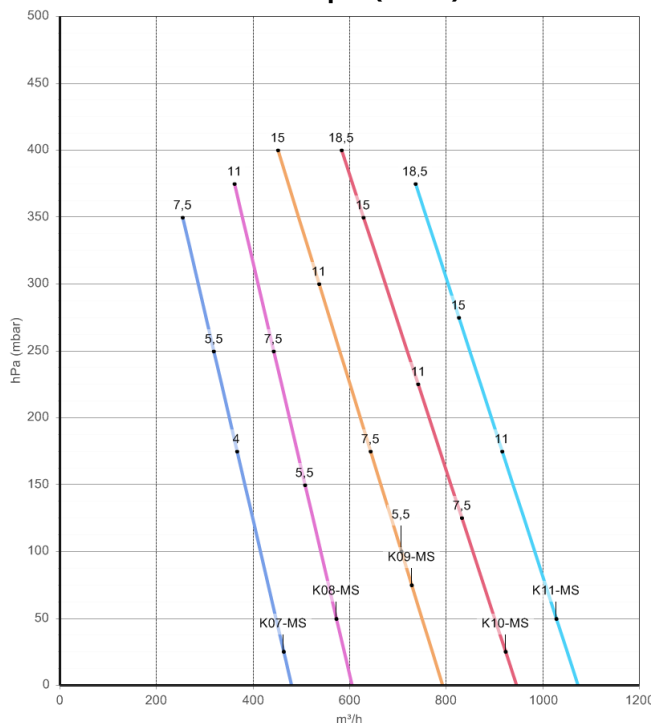
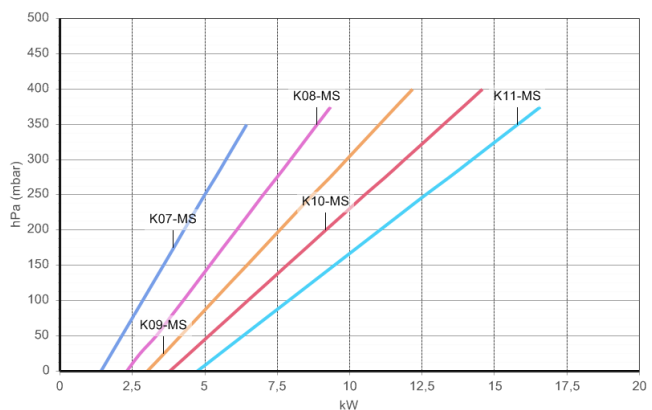
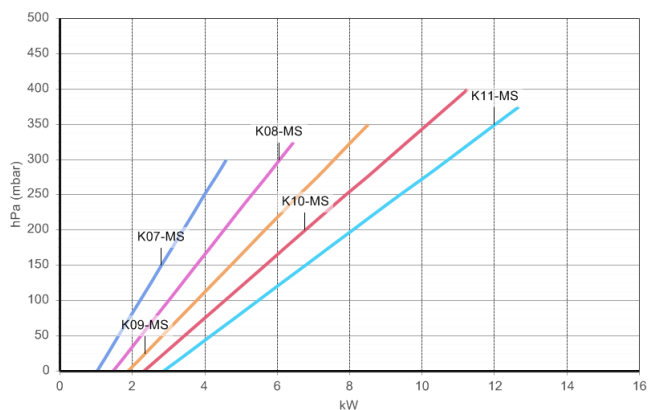
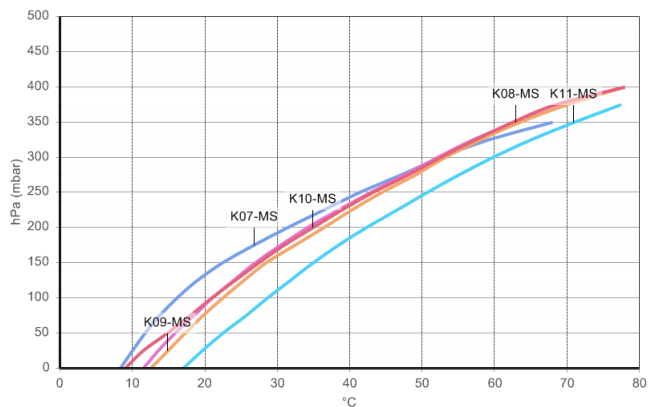
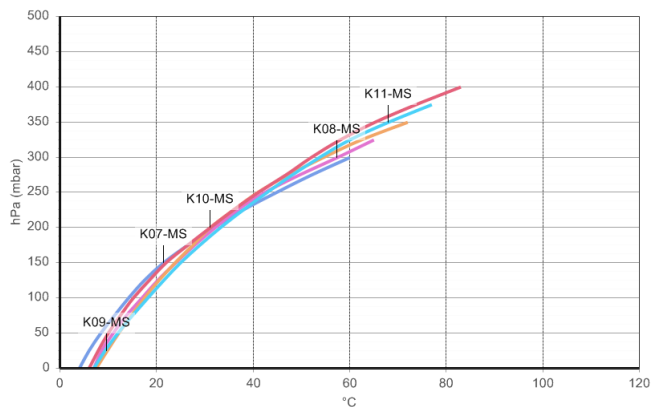
³ Electric motor's construction form.

N: Installed motor power

Q: Flow rate

ΔP: Differential pressure

Leq: Noise level

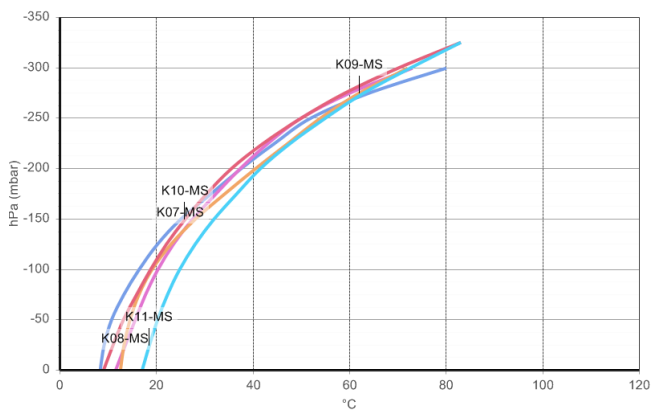
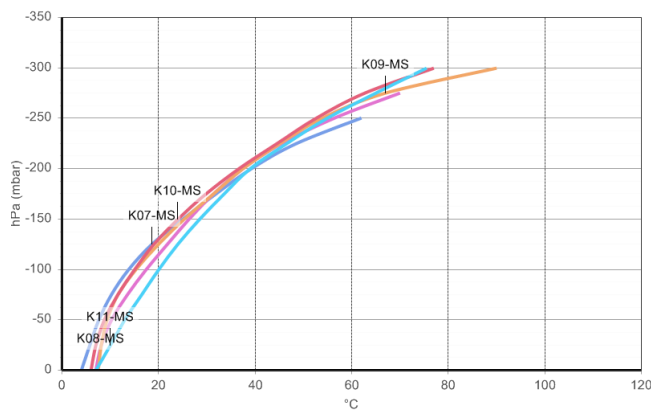
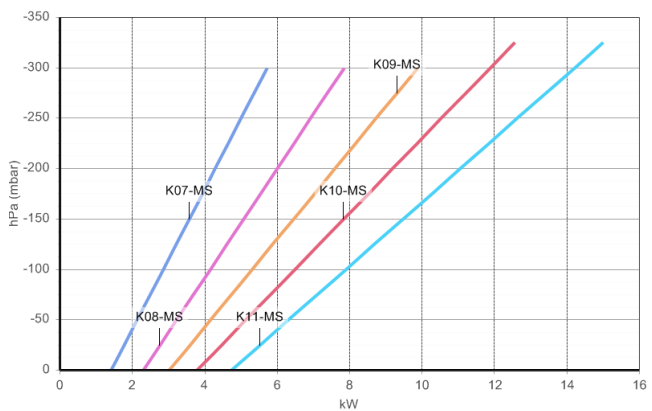
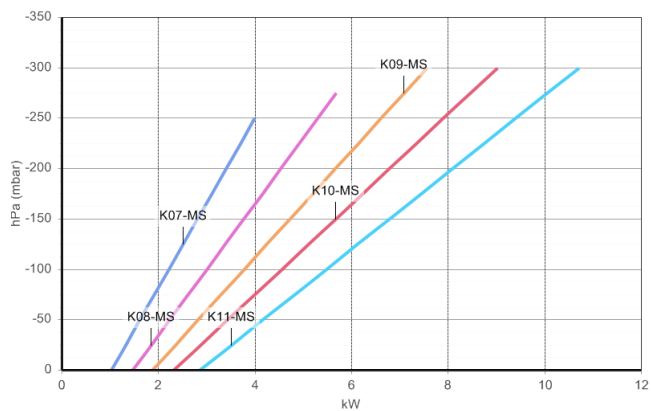
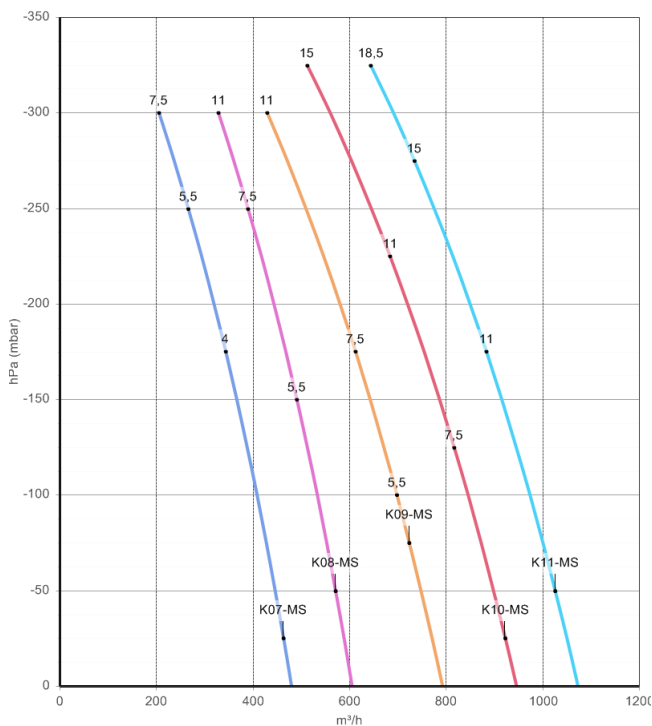
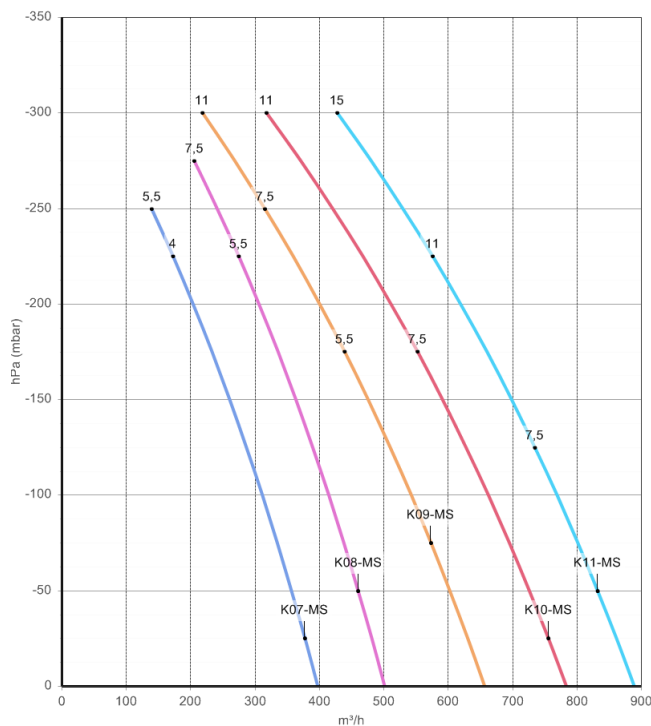
PRESSURE
2900 rpm (50 Hz)

FLOW RATE
3500 rpm (60 Hz)

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.

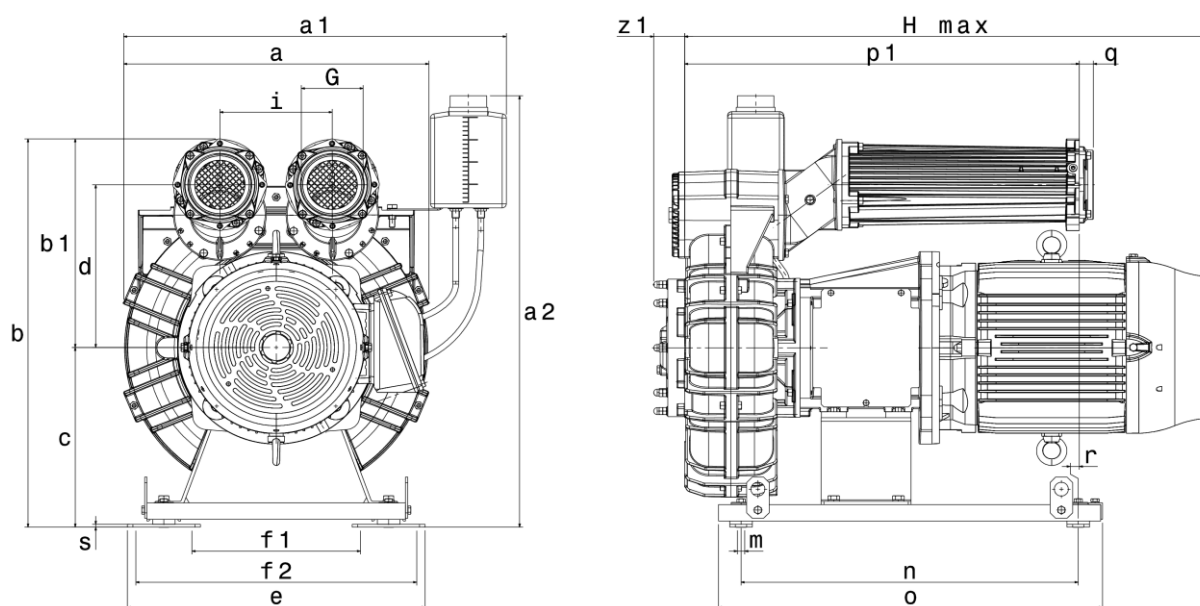
VACUUM

2900 rpm (50 Hz)

3500 rpm (60 Hz)



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 (K07-MS/K08-MS/K09-MS/K10-MS/K11-MS)


Dimensions in mm - FOR REFERENCE ONLY

Model	E.M.	a	a1	a2	b	b1	c	d
K07-MS	112B14	424	586	681	605	320	285	247
K07-MS	132 B5	424	586	681	605	320	285	247
K08-MS	132 B5	457	607.5	681	605	320	285	247
K08-MS	160 B5	457	607.5	681	605	320	285	247
K09-MS	132 B5	492	640	772.5	690	360	330	275
K09-MS	160 B5	492	640	772.5	690	360	330	275
K10-MS	132 B5	516	652	772.5	690	360	330	275
K10-MS	160 B5	516	652	772.5	690	360	330	275
K11-MS	132 B5	542	681	785	710	380	330	296
K11-MS	160 B5	542	681	785	710	380	330	296

Model	e	f1	f2	G	H	i	m
K07-MS	470	240	440	G 3"	705	155	15
K07-MS	470	240	440	G 3"	780	155	15
K08-MS	470	240	440	G 3"	780	155	15
K08-MS	470	240	440	G 3"	920	155	15
K09-MS	530	300	500	G 4"	792	182	15
K09-MS	530	300	500	G 4"	932	182	15
K10-MS	530	300	500	G 4"	792	182	15
K10-MS	530	300	500	G 4"	932	182	15
K11-MS	530	300	500	G 4"	797	200	15
K11-MS	530	300	500	G 4"	937	200	15

Model	n	o	p1	q	r	s	z1
K07-MS	520	600	612	25	-16	5	52
K07-MS	520	600	612	25	-16	5	52
K08-MS	520	600	612	25	-16	5	52
K08-MS	520	600	612	25	-16	5	52
K09-MS	600	680	700	25	-3	5	52
K09-MS	600	680	700	25	-3	5	52
K10-MS	600	680	700	25	-3	5	52
K10-MS	600	680	700	25	-3	5	52
K11-MS	600	680	710	25	2	5	52
K11-MS	600	680	710	25	2	5	52

SERIES K-MS MOR

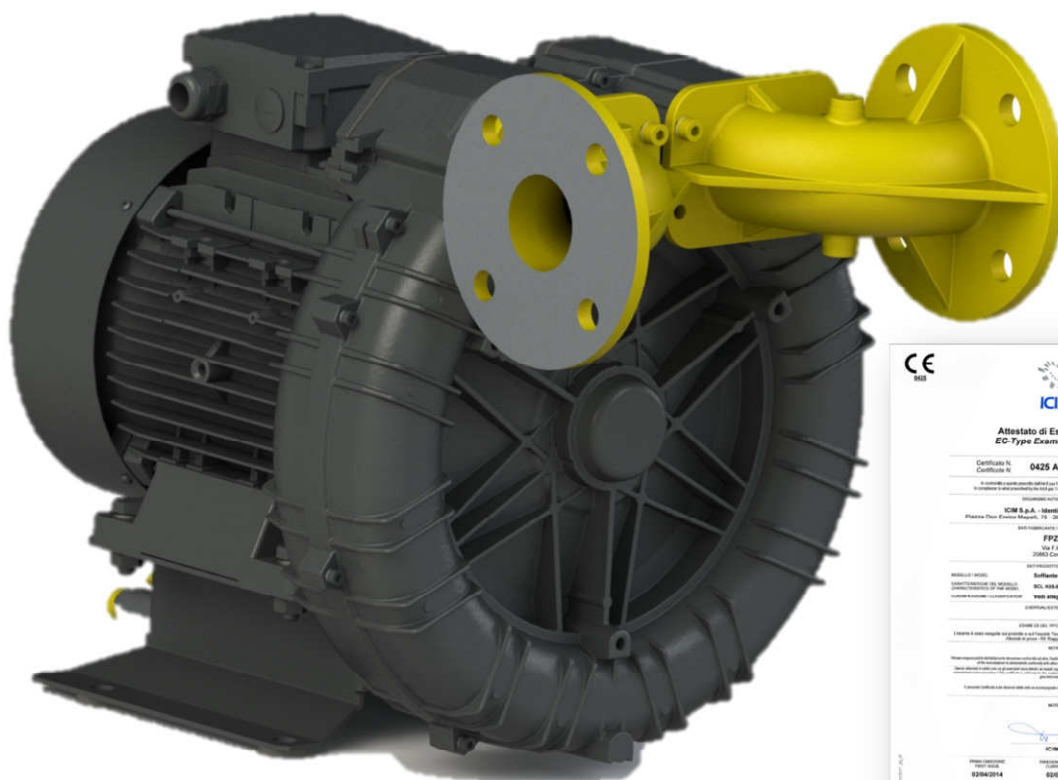
ATEX II 2G/3G c T3 VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller
- Protection treatment of surfaces
- For Group IIB classified gases and Biogas
- Connection for flange PN16 DN50 complying with UNI EN 1092-1
-

OPTIONS

- Without condensate drain
- Motors IP65
- Special Voltages (IEC 60038)



Data sheet

LATERAL CHANNEL BLOWERS-EXHAUSTERS

PRESSURE

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size ³	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 [kg]
K05-MS	1,5	1,8	207	250	90S	150	125	74,9	75,9	28
	2,2	2,6	207	250	90L	250	225	75,6	77,3	31
K06-MS	3	3,6	305	364	100L	200	175	79,9	81,7	35
	4	4,8	305	364	112M	300	275	81,3	83,4	50

VACUUM

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size ³	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 [kg]
K05-MS	1,5	1,8	207	250	90S	150	150	73	75,2	28
	2,2	2,6	207	250	90L	225	225	74,5	77	31
K06-MS	3	3,6	305	364	100L	200	175	73,4	77,9	35
	4	4,8	305	364	112M	225	250	75	79,8	50

SPECIFICATIONS

BLOWER:

- Classification ATEX II 2Gc T3
- Complete with condensate drain

MOTOR:

- Classification ATEX II 3G T3 / 3D T125°C
- Including bimetal thermal switch

INSTALLATION

- For proper operation of the machine it must be equipped with a suction ATEX FILTER.
- Permissible suction and ambient temperature from -15° to +40°C
- Read the instructions carefully before installing the machine
- Data not binding and subject to change without notice
- Horizontal only

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.

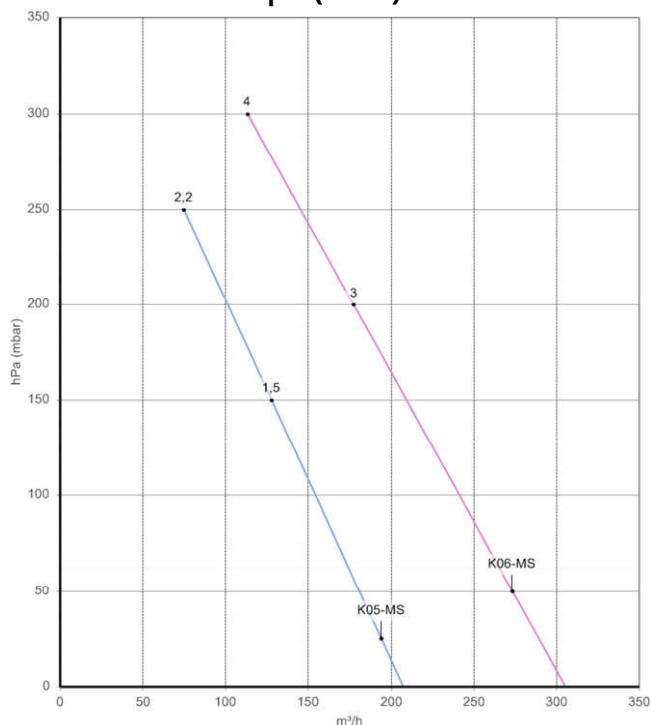
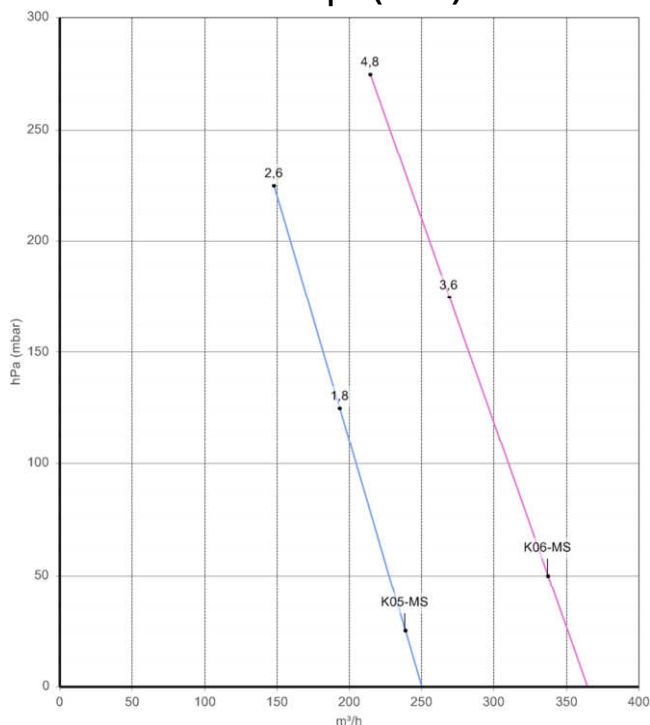
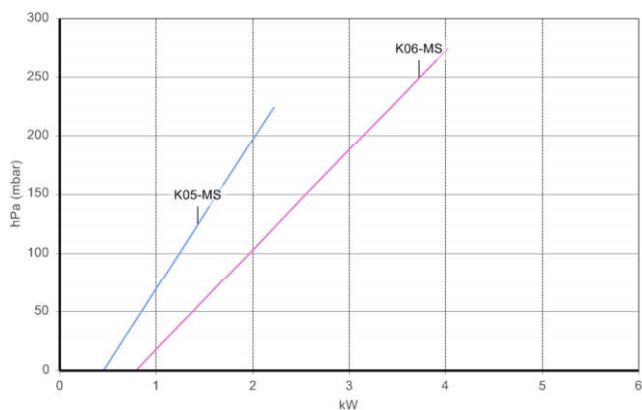
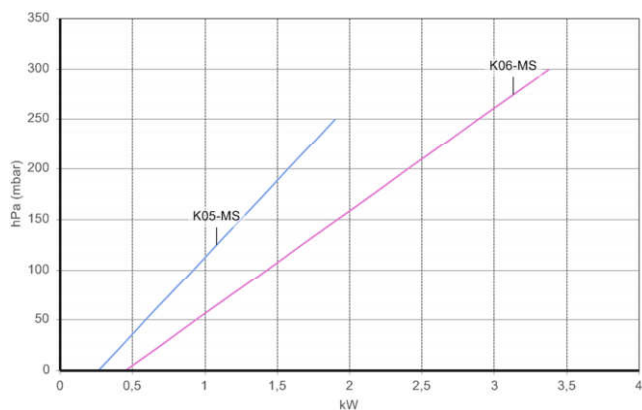
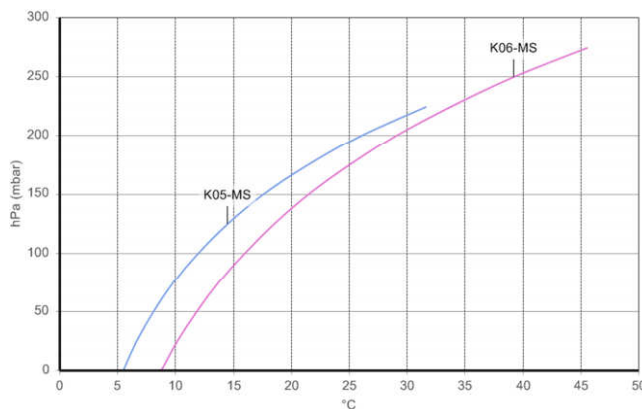
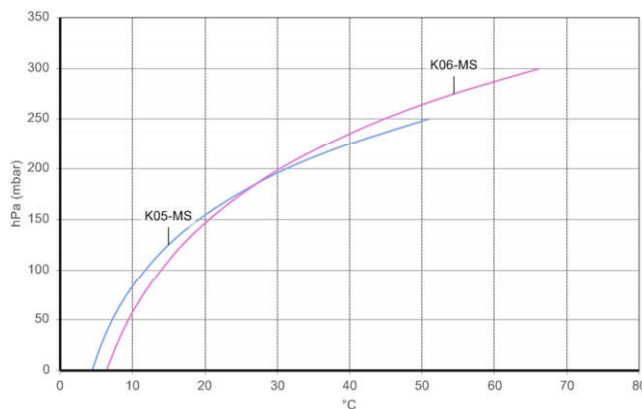
³ Electric motor's construction form.

N: Installed motor power

Q: Flow rate

ΔP: Differential pressure

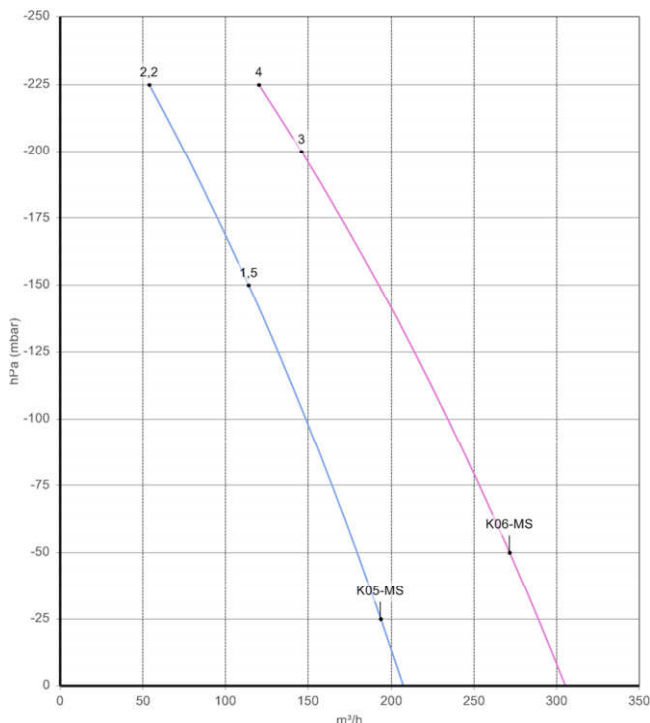
Leq: Noise level

PRESSURE
2900 rpm (50 Hz)

3500 rpm (60 Hz)

FLOW RATE

ABSORBED POWER

TEMPERATURE INCREASE

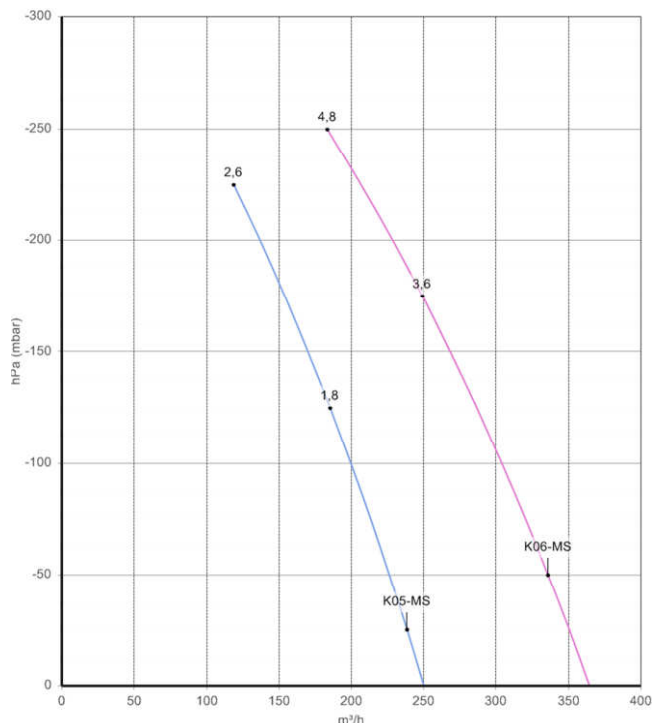
Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: ±10% tolerance.
 Data can change without prior notice.

VACUUM

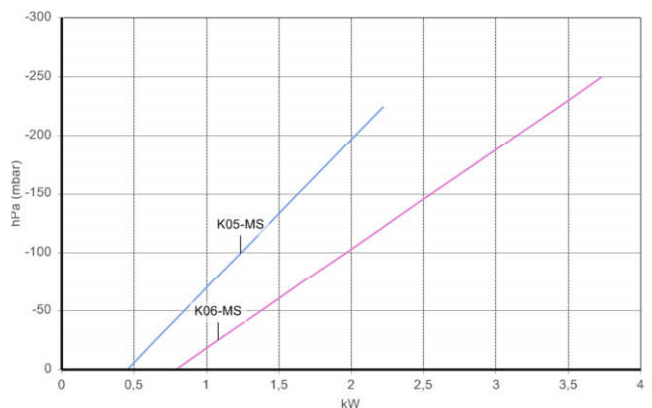
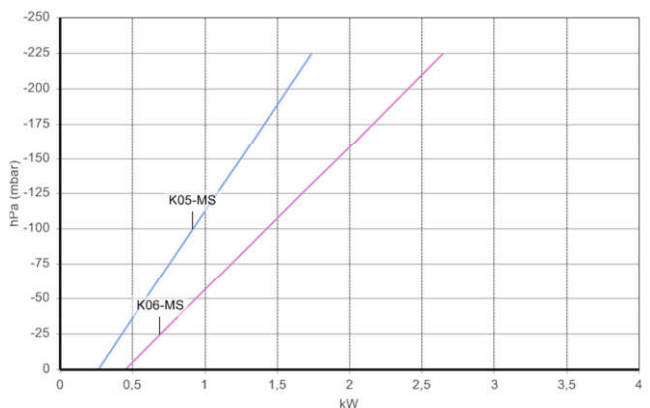
2900 rpm (50 Hz)



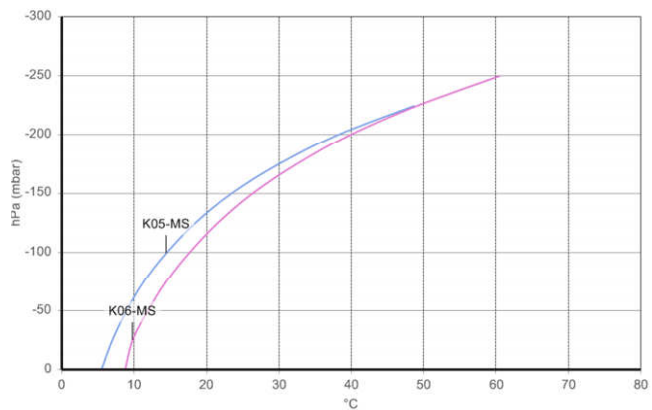
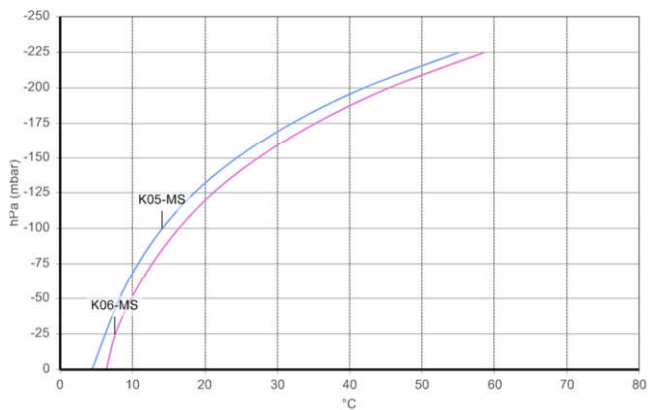
3500 rpm (60 Hz)



FLOW RATE

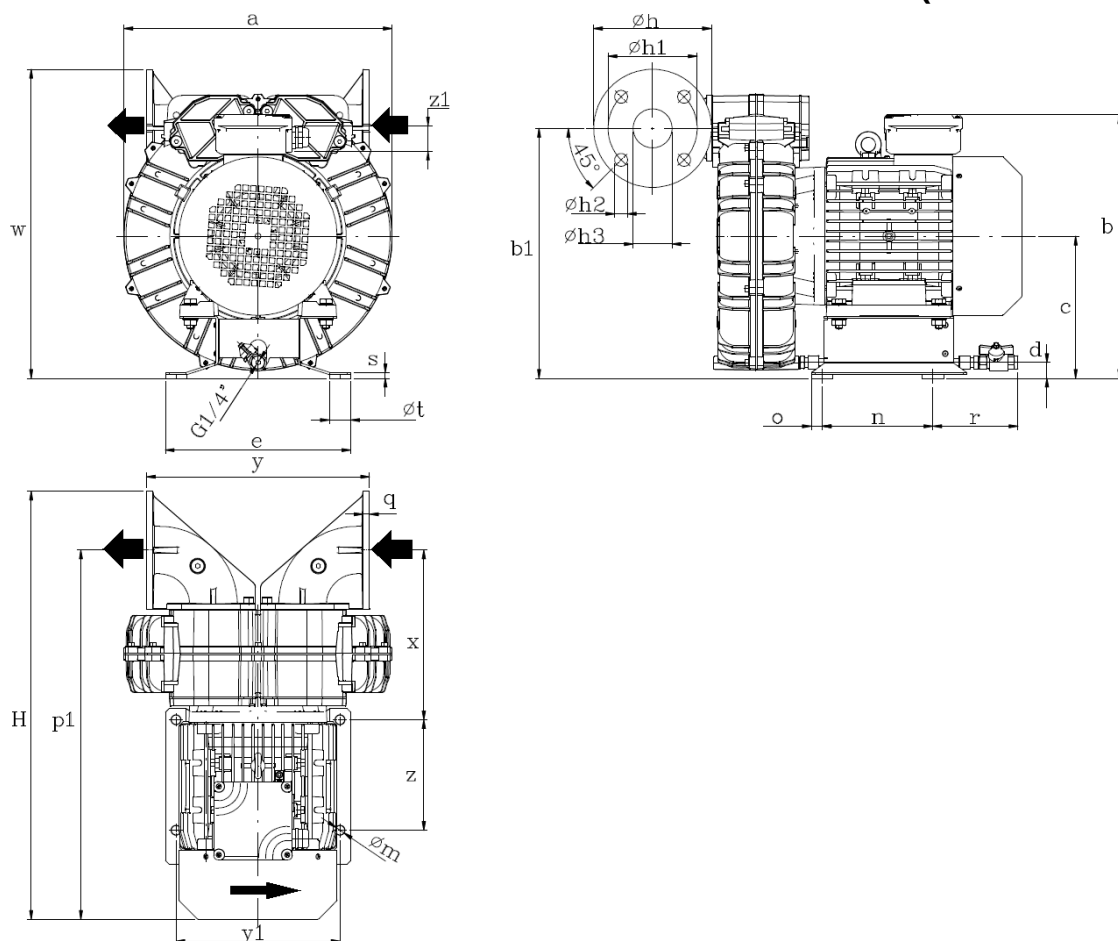


ABSORBED POWER



TEMPERATURE INCREASE

Curves refer to air at 20°C (68° F) temperature, 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 (K05-MS/K06-MS)


Dimensions in mm - FOR REFERENCE ONLY

Model	E.M.	a	b	b1	c	d	e	H	h
K05-MS	90S	327	336	334	189	35	260	552	165
K05-MS	90L	327	336	334	189	35	260	552	165
K06-MS	100L	376	353	350	199	22	260	582	165
K06-MS	112M	376	369	350	199	22	260	601	165

Model	h1	h2	h3	m	n	o	p1	q	r
K05-MS	125	18	54,5	13	155	43	469	9	97
K05-MS	125	18	54,5	13	155	43	469	9	97
K06-MS	125	18	54,5	13	155	20	499	9	120
K06-MS	125	18	54,5	13	155	15,5	518	9	120

Model	s	t	w	x	y	y1	z	z1
K05-MS	8	30	416	240	308	230	155	M25X1.5
K05-MS	8	30	416	240	308	230	155	M20X1.5
K06-MS	8	30	432	238	313	230	155	M25X1.5
K06-MS	8	30	433	238	313	230	155	M25X1.5

SERIES K-MS MOR

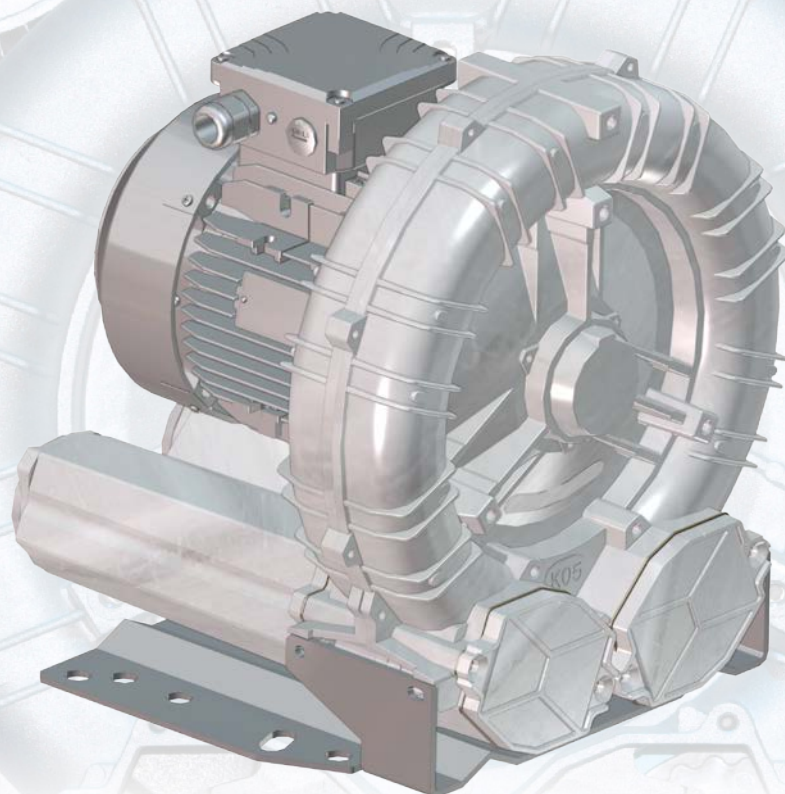
ATEX II 3G/D c T3/T125 VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

OPTIONS

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



Data sheet

LATERAL CHANNEL BLOWER-EXHAUSTER

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)	Leq¹ 2900 rpm (Lp)[dB(A)]	Leq¹ 3500 rpm (Lp)[dB(A)]	Weight² max [kg]
K03-MS	0,55	0,66	74	89	150	150	60	62	13
K04-MS	0,75	0,86	137	166	140	120	62,6	64,6	17,1
	1,1	1,25	137	166	200	175	62,8	64,8	18,5
K05-MS	1,5	1,7	219	265	160	130	68,5	70,5	28
	2,2	2,5	219	265	250	225	68,8	70,8	31
K06-MS	3	3,5	304	366	200	175	71,3	73,3	34,5
	4	4,6	304	366	300	275	71,6	73,6	50
K07-MS	3	3,5	414	499	175	140	76,7	78,7	51
	4	4,6	414	499	225	185	77	79	59,5
	5,5	6,3	414	499	300	275	77,3	79,3	70,5
K08-MS	4	4,6	536	647	160	100	77,7	79,7	61
	5,5	6,3	536	647	220	200	78	80	72
	7,5	8,6	536	647	325	300	78,3	80,3	77,5
K09-MS	5,5	6,3	663	800	175	100	78,2	80,2	77
	7,5	8,6	663	800	250	200	78,5	80,5	84
	11	12,5	663	800	375	325	79	81	114
K10-MS	7,5	8,6	782	944	175	125	78,5	80,5	86
	11	12,5	782	944	275	250	79,4	81,4	116
	15	17	782	944	400	400	79,6	81,6	130
K11-MS	7,5	-	915	1105	125	-	80	-	93
	11	12,5	915	1105	225	175	80,4	82,4	123
	15	17	915	1105	375	325	80,7	82,7	137
	18,5	21,5	915	1105	400	400	83,6	85,6	155
K12-MS	11	12,5	1022	1234	150	100	80,9	82,9	126
	15	17	1022	1234	250	225	81,2	83,2	140,5
	18,5	21,5	1022	1234	325	275	84,1	86,1	158,5
K75-MS	4	4,6	477	576	150	100	77,4	79,4	60
	5,5	6,3	477	576	215	165	77,7	79,7	71
	7,5	8,6	477	576	285	265	78	80	76,5

INSTALLATION

- For proper use, the blower should be equipped with inlet Atex FILTER and Flow Relief VALVE.
- 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

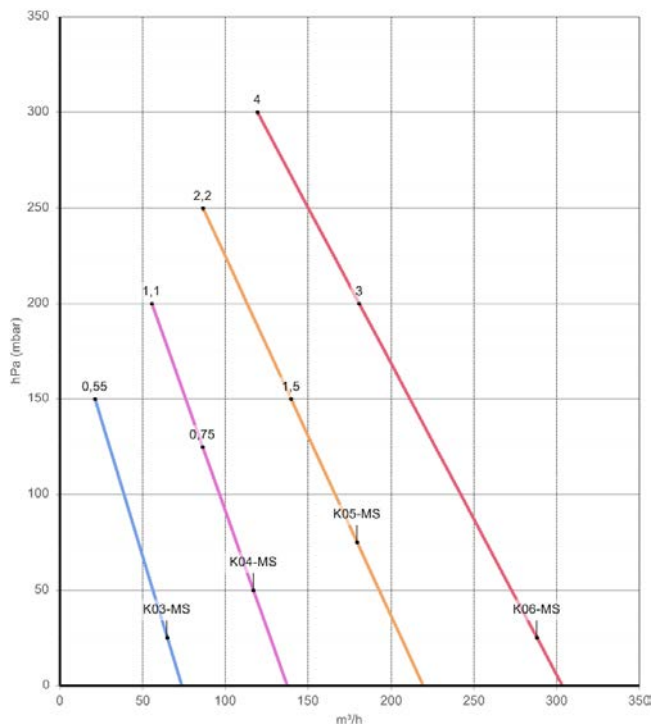
Q: Flow rate

P: Differential pressure

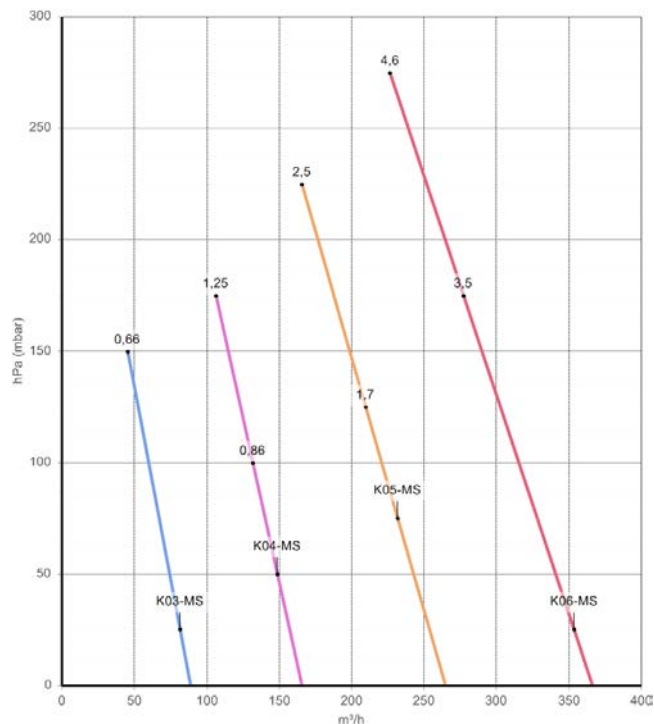
Leq: Noise

PRESSURE

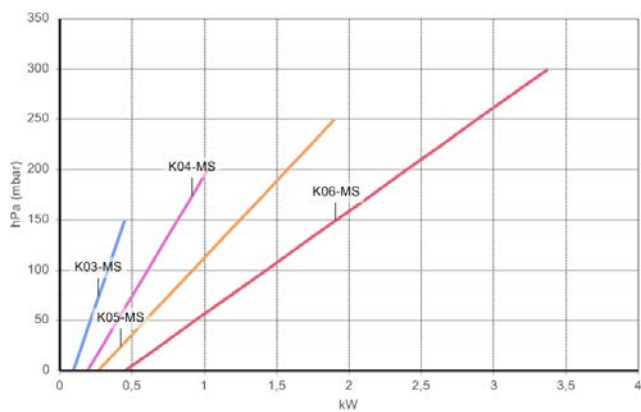
2900 rpm (50 Hz)



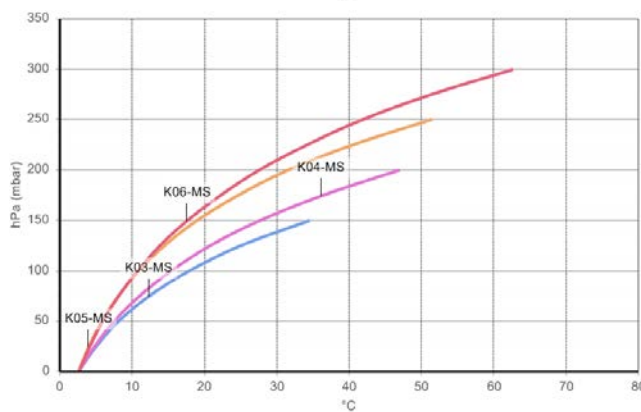
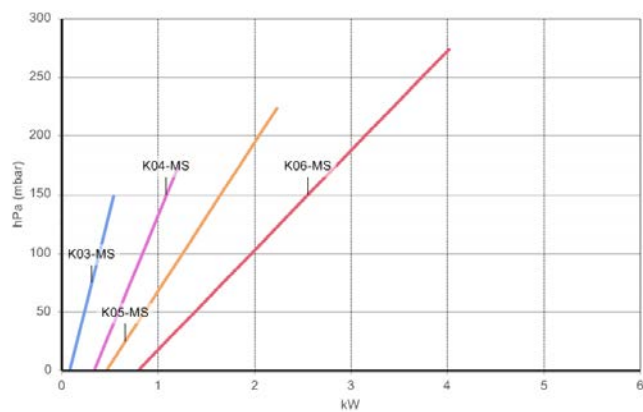
3500 rpm (60 Hz)



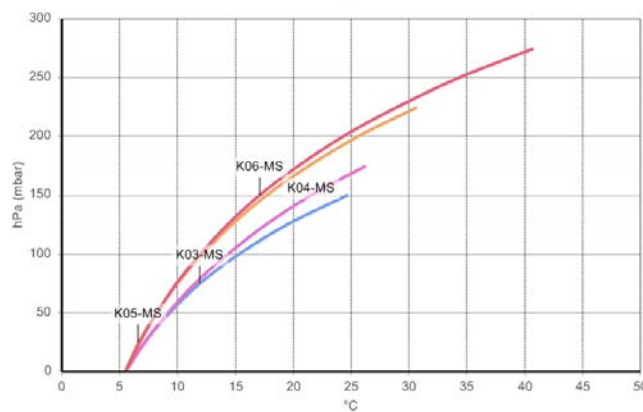
FLOW RATE



ABSORBED POWER



TEMPERATURE INCREASE

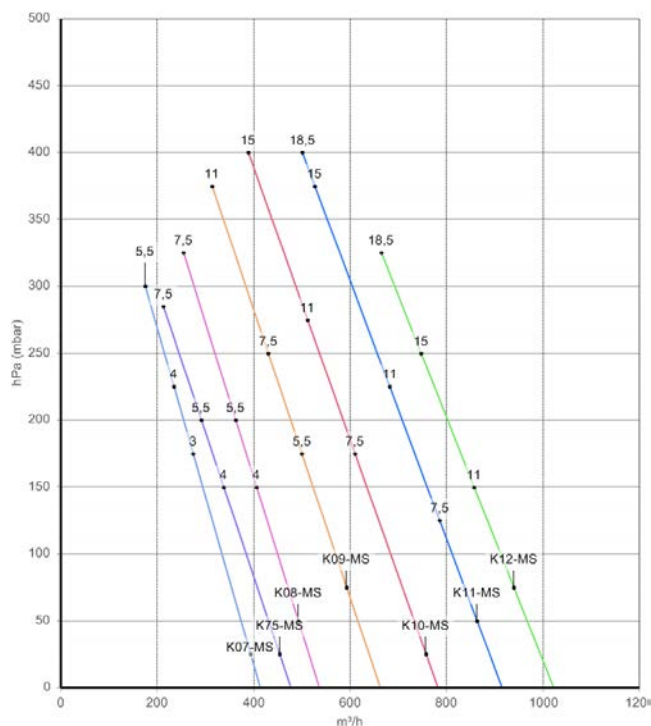


Curves refer to air at 20°C (68°F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: ±10% tolerance
Data can change without prior notice

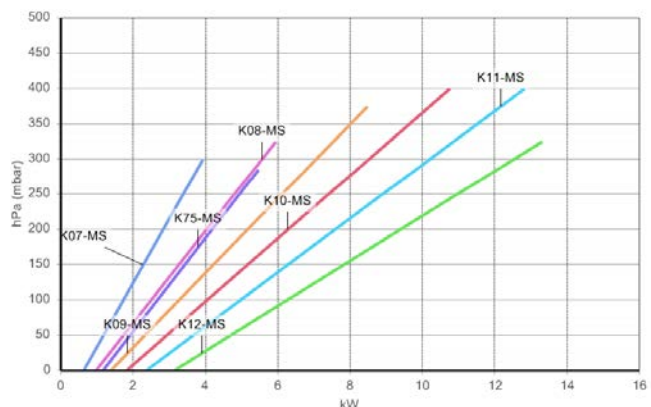
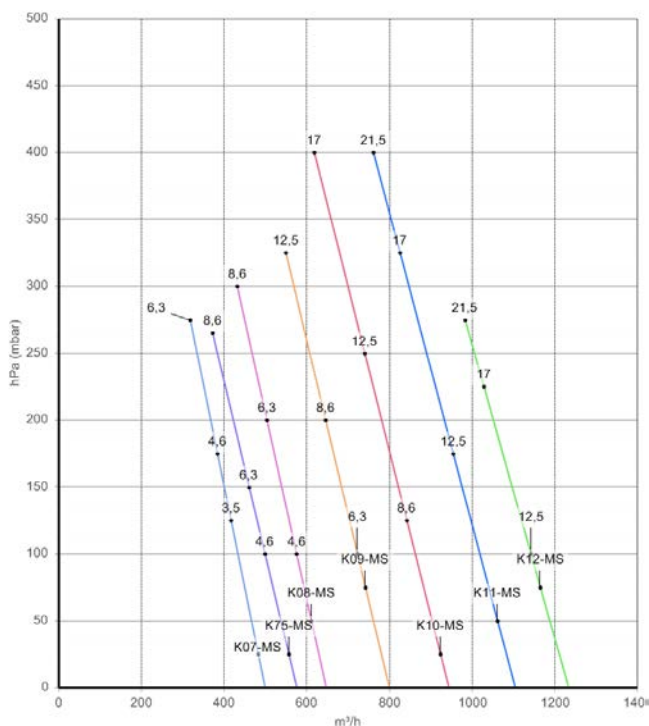
PRESSURE

2900 rpm (50 Hz)

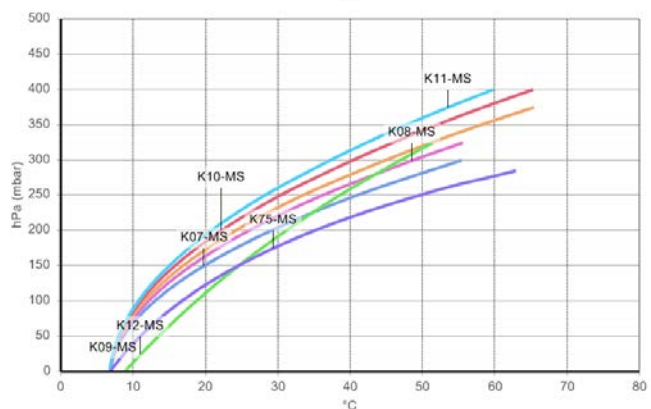
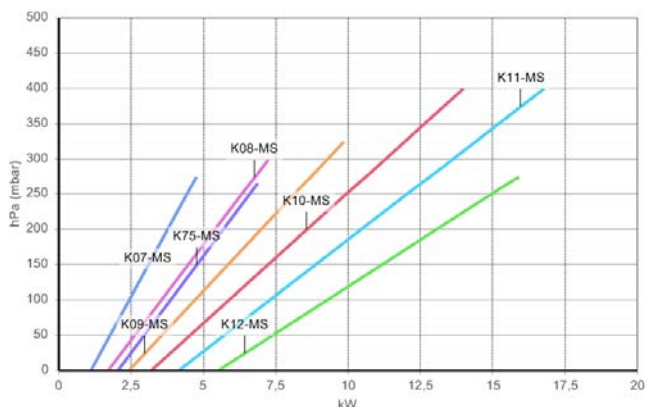
3500 rpm (60 Hz)



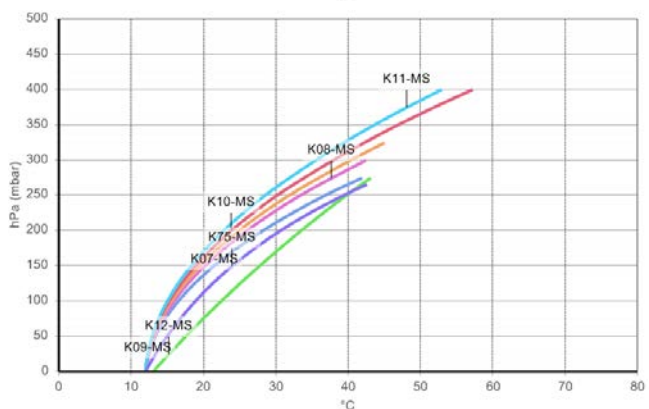
FLOW RATE



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 [m³/h]	Q max 3500 rpm [m³/h]	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq¹ 2900 rpm (Lp)[dB(A)]	Leq¹ 3500 rpm (Lp)[dB(A)]	Weight² max [kg]	Ps max A [bar]
K03-MS	0,55	0,66	74	89	120	150	59	61	13	1,8
K04-MS	0,75	0,86	137	166	140	120	61,6	63,6	17,1	1,8
	1,1	1,25	137	166	200	175	61,8	63,8	18,5	1,8
K05-MS	1,5	1,7	219	265	160	130	67,5	69,5	28	2
	2,2	2,5	219	265	200	225	67,8	69,8	31	2
K06-MS	3	3,5	304	366	200	175	70,3	72,3	34,5	2
	4	4,6	304	366	225	250	70,6	72,6	50	22
K07-MS	3	3,5	414	499	175	140	75,7	77,7	51	2,8
	4	4,6	414	499	225	185	76	78	59,5	2,8
	5,5	6,3	414	499	-	250	-	78,3	70,5	2,8
K08-MS	4	4,6	536	647	160	100	76,8	78,8	61	2,8
	5,5	6,3	536	647	220	200	77,1	79,1	72	2,8
	7,5	8,6	536	647	275	275	77,4	79,4	77,5	2,8
K09-MS	5,5	6,3	663	800	175	100	77,3	79,3	77	2,8
	7,5	8,6	663	800	250	200	77,6	79,6	84	-
	11	12,5	663	800	300	300	79,1	81,1	114	-
K10-MS	7,5	8,6	782	944	175	125	77,7	79,7	86	2,8
	11	12,5	782	944	275	250	78,5	80,5	116	-
	15	17	782	944	300	300	78,8	80,8	130	-
K11-MS	7,5	-	915	1105	125	-	80	-	93	2,8
	11	12,5	915	1105	225	175	81	83	123	-
	15	17	915	1105	300	300	81,8	83,8	137	-
	18,5	21,5	915	1105	-	-	-	-	155	-
K12-MS	11	12,5	1022	1234	150	100	81,5	83,5	126	2,8
	15	17	1022	1234	250	225	82,3	84,3	140,5	-
	18,5	21,5	1022	1234	275	300	85,2	87,2	158,5	-
K75-MS	4	4,6	477	576	150	100	76,4	78,4	60	2,8
	5,5	6,3	477	576	215	165	76,7	78,7	71	-
	7,5	8,6	477	576	-	250	-	79	76,5	-

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.

³ Electric motor's construction form

N: Installed power

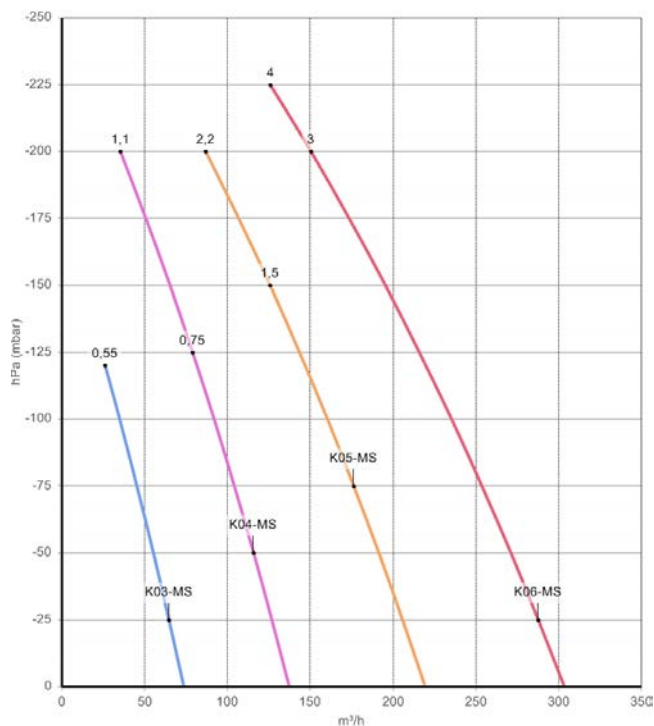
Q: Flow rate

P: Differential pressure

Leq: Noise

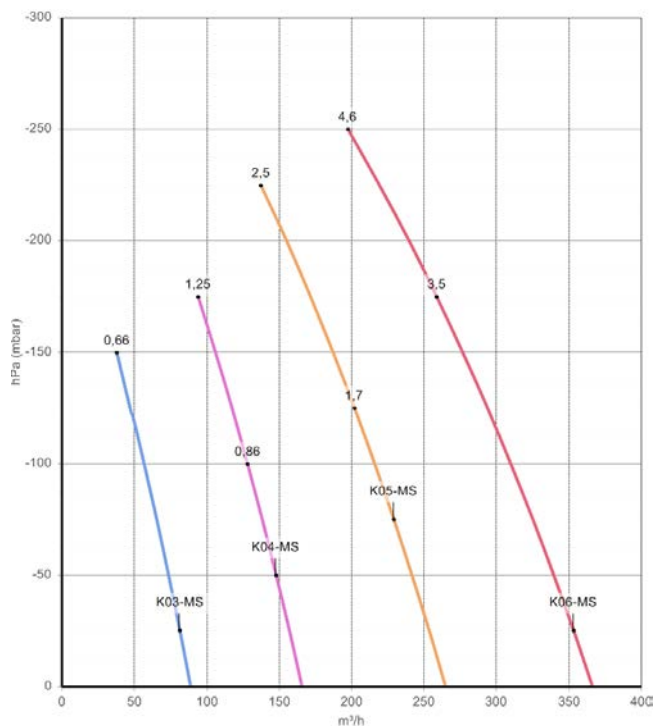
VACUUM

2900 rpm (50 Hz)

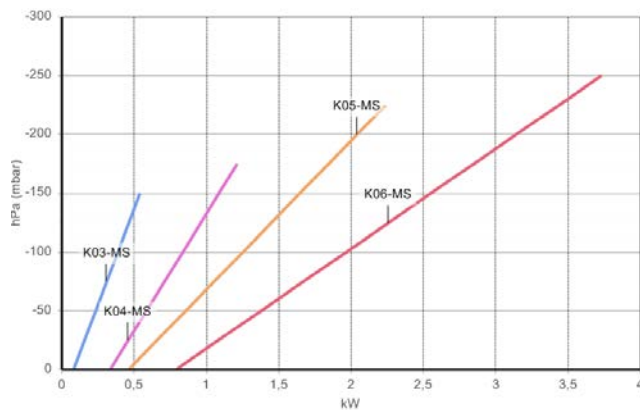
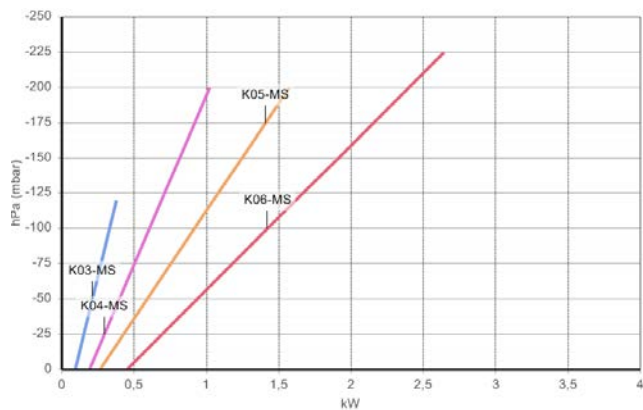


FLOW RATE

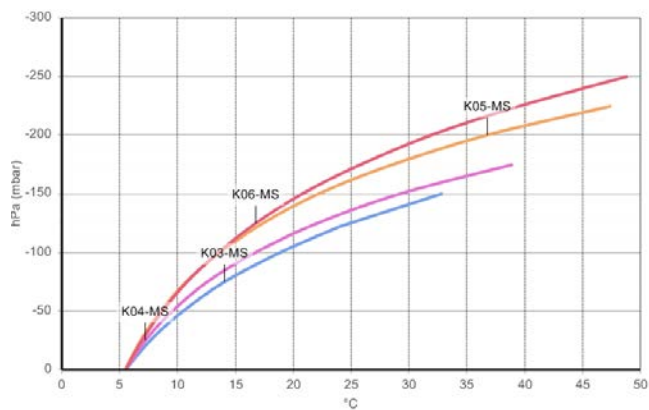
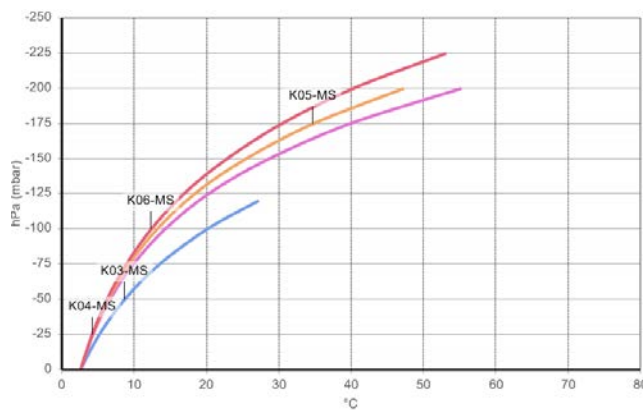
3500 rpm (60 Hz)



ABSORBED POWER



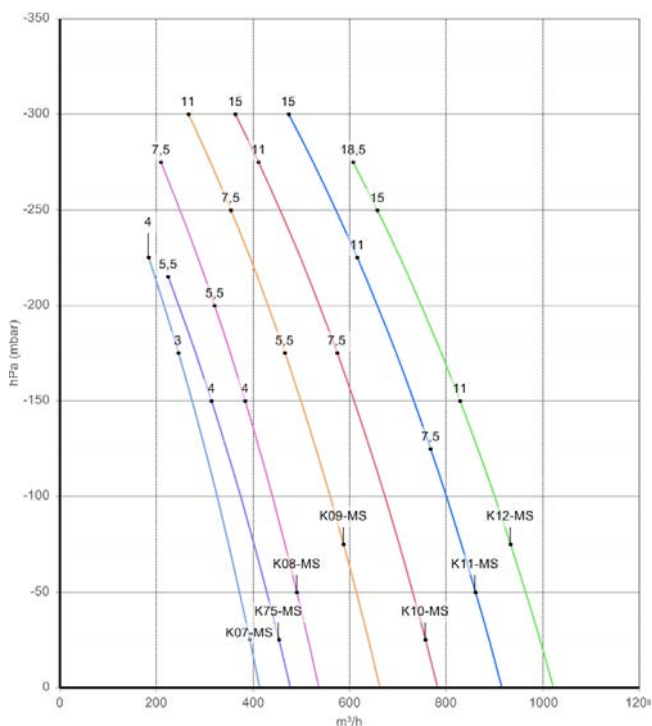
TEMPERATURE INCREASE



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.

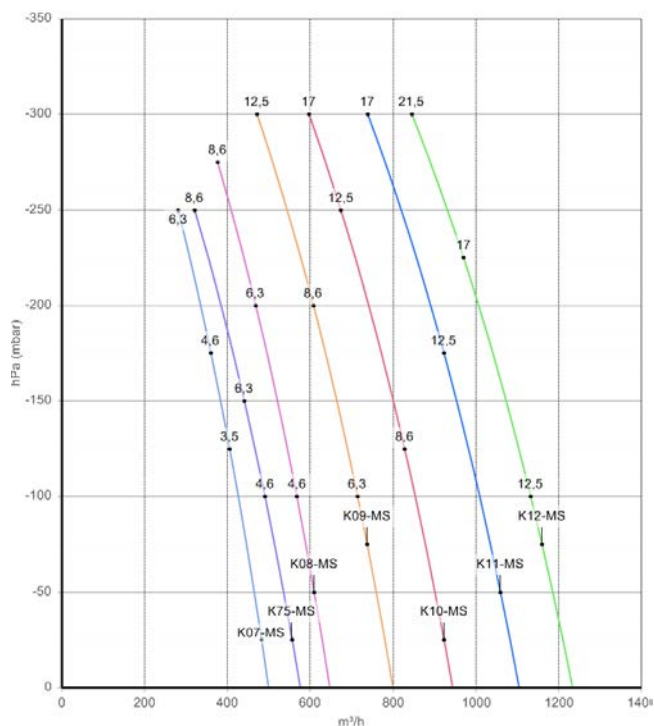
VACUUM

2900 rpm (50 Hz)

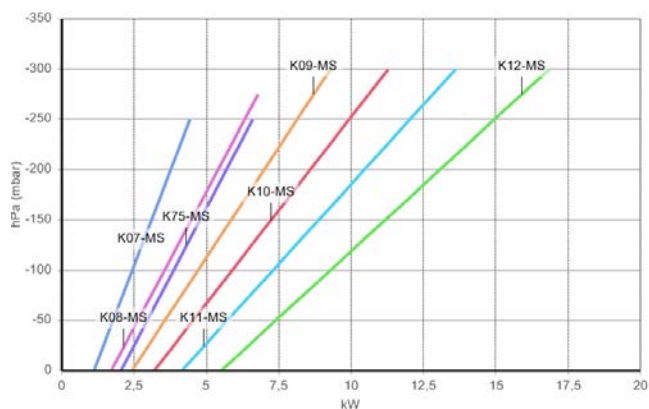
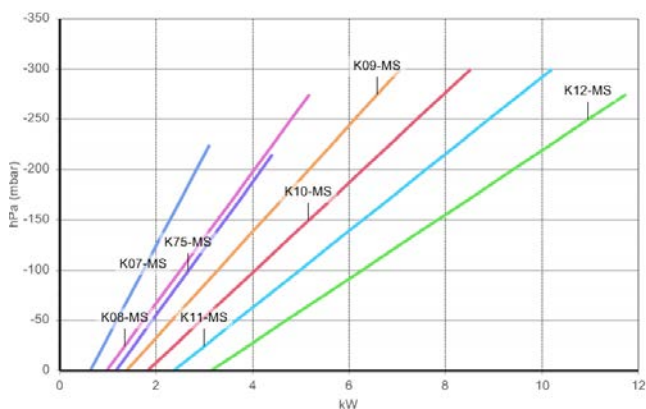


FLOW RATE

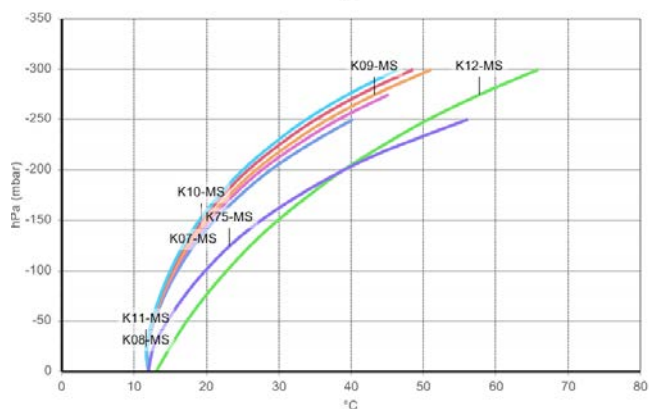
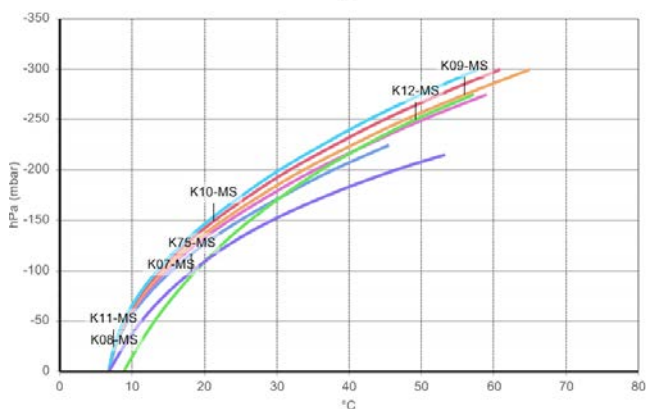
3500 rpm (60 Hz)



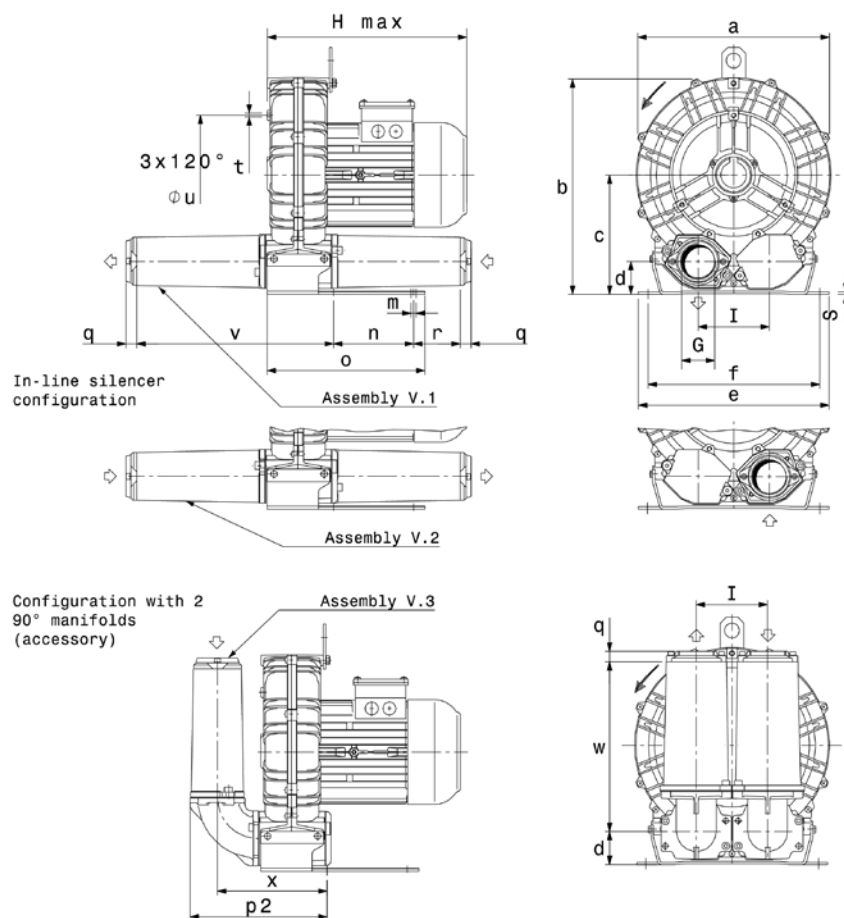
ABSORBED POWER



TEMPERATURE INCREASE



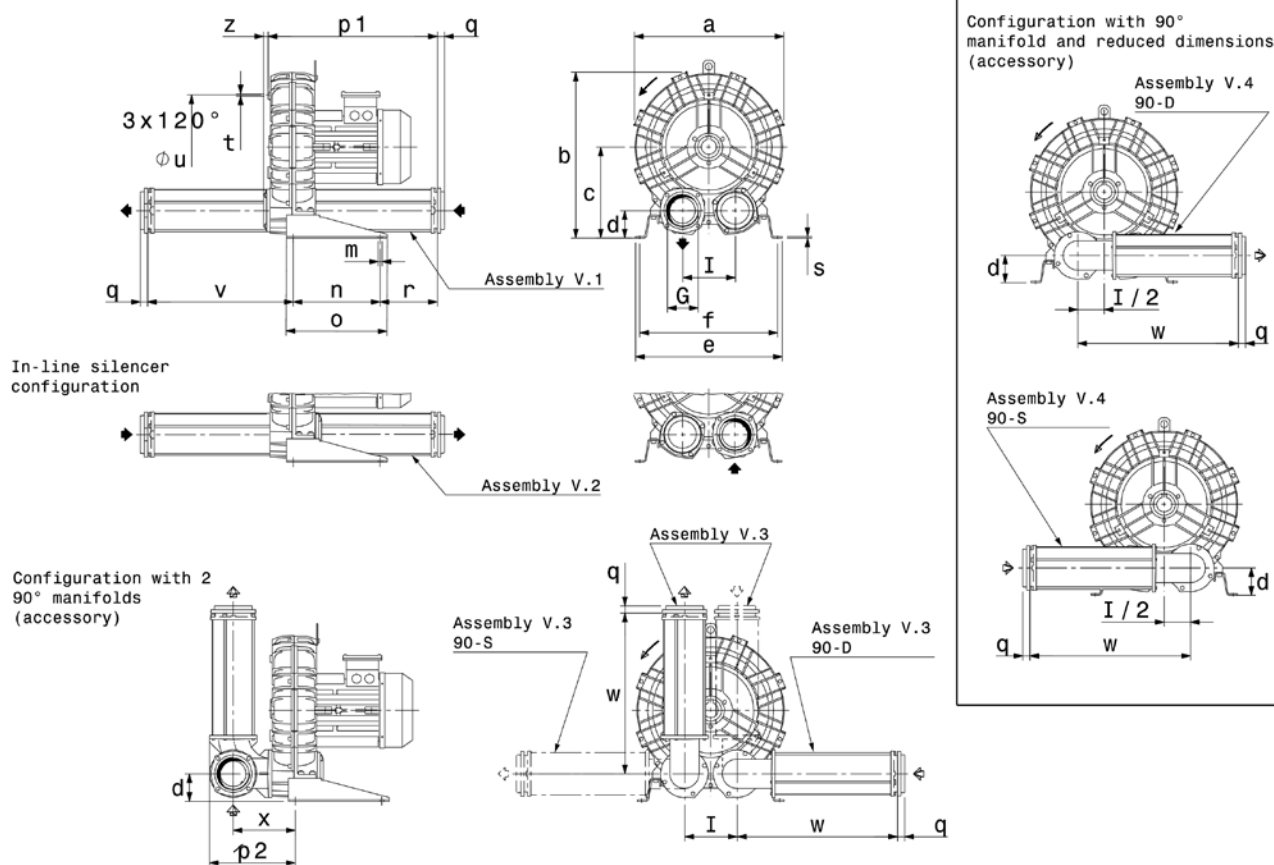
Curves refer to air at 20°C (68°F) temperature, measured at inlet port and 1013 mbar (29.92 In Hg) atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: ± 10% tolerance
Data can change without prior notice.

DIMENSIONS (K03-MS/K04-MS/K05-MS/K06-MS)


Dimensions in mm - FOR REFERENCE ONLY

Model	a	b	c	d	e	f	G	H	i	m
K03-MS	241	268	147	43	230	205	G 1" ¼	298	86	10
K04-MS	285	315	172	49	255	225	G 1" ½	311	102	12
K05-MS	327	365	200	54	320	260	G 2"	380	120	15
K06-MS	376	393	205	54	325	290	G 2"	432	125	15

Model	n	o	p1	q	r	s	t	u	z
K03-MS	83	142	205	18	75	4	M6	140	12
K04-MS	95	171	222	18	70	4	M6	175	18
K05-MS	115	265	320	18	98	4	M8	200	19
K06-MS	140	272	334	18	85	4	M8	240	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	i	m
K07-MS	424	481	269	82	468	438	G 3"	535	155	13
K08-MS	457	498	269	82	478	448	G 3"	535	155	13
K09-MS	492	561	315	96	508	478	G 4"	672	182	13
K10-MS	516	573	315	96	508	478	G 4"	672	182	13
K11-MS	542	603	332	91	540	508	G 4"	699	200	13
K12-MS	548	605	332	91	540	508	G 4"	702	200	13
K75-MS	424	481	269	82	468	438	G 3"	535	155	13

Model	n	o	p1	q	r	s	t	u	z
K07-MS	300	350	512	25	137	5	M8	295	16
K08-MS	300	350	512	25	137	5	M8	310	16
K09-MS	300	350	586	25	199	5	M8	360	16
K10-MS	300	350	586	25	199	5	M8	360	16
K11-MS	300	350	596	25	204	5	M8	390	16
K12-MS	300	350	599	25	204	5	M8	390	13
K75-MS	300	350	512	25	137	5	M8	295	16



FPZ
BLOWER TECHNOLOGY

ENERGOEKONOM
spol. s r.o.

SERIES K-MD MOR

ATEX II 3G/D c T3/T125 VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

OPTIONS

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



Data sheet

LATERAL CHANNEL BLOWERS-EXHAUSTERS

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)	Leq¹ 2900 rpm (Lp)[dB(A)]	Leq¹ 3500 rpm (Lp)[dB(A)]	Weight² max [kg]
K07R-MD	3	3,5	181	219	325	320	72	74	50,5
	4	4,6	181	219	475	425	72,5	74,5	59
	5,5	6,3	181	219	500	500	73	75	70
K08R-MD	4	4,6	236	285	350	275	74,2	76,2	61,5
	5,5	6,3	236	285	475	400	74,6	76,6	72,5
	7,5	8,6	236	285	525	525	75	77	78
K09-MD	5,5	6,3	311	375	375	300	76	78	80,5
	7,5	8,6	311	375	475	400	77,5	79,5	87,5
	11	12,5	311	375	550	550	78,5	80,5	117,5
K10-MD	5,5	6,3	387	467	275	200	77,5	79,5	81,5
	7,5	8,6	387	467	400	310	77,9	79,9	88,5
	11	12,5	387	467	550	550	78,7	80,7	118,5
K11-MD	7,5	8,6	431	520	325	200	79,1	81,1	105,5
	11	12,5	431	520	500	400	79,7	81,7	135,5
	15	17	431	520	550	550	80,3	82,3	149,5
K12-MD	11	12,5	473	570	350	275	80,6	82,6	139
	15	17	473	570	450	450	80,9	82,9	153

VACUUM

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)	Leq¹ 2900 rpm (Lp)[dB(A)]	Leq¹ 3500 rpm (Lp)[dB(A)]	Weight² max [kg]
K07R-MD	3	3,5	181	219	325	320	71	73	50,5
	4	4,6	181	219	400	375	71,5	73,5	59
	5,5	6,3	181	219	-	-	-	-	70
K08R-MD	4	4,6	236	285	350	275	73,7	75,7	61,5
	5,5	6,3	236	285	400	375	74,1	76,1	72,5
	7,5	8,6	236	285	-	-	-	-	78
K09-MD	5,5	6,3	311	375	375	300	75,5	77,5	80,5
	7,5	8,6	311	375	425	400	77	79	87,5
	11	12,5	311	375	-	-	-	-	117,5
K10-MD	5,5	6,3	387	467	275	200	78,3	80,3	81,5
	7,5	8,6	387	467	325	300	78,7	80,7	88,5
	11	12,5	387	467	425	425	79,4	81,4	118,5
K11-MD	7,5	8,6	431	520	325	200	78,7	80,7	105,5
	11	12,5	431	520	425	400	79	81	135,5
	15	17	431	520	-	-	-	-	149,5
K12-MD	11	12,5	473	570	350	225	80,2	82,2	139
	15	17	473	570	375	375	80,5	82,5	153

INSTALLATION

- For proper use, the blower should be equipped with INLET FILTER and Flow Relief VALVE.
- 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

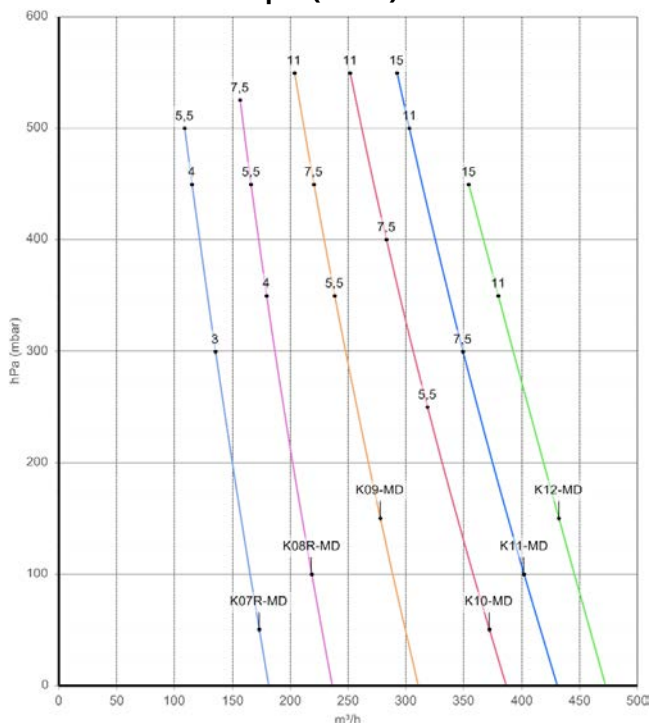
Q: Flow rate

ΔP: Differential pressure

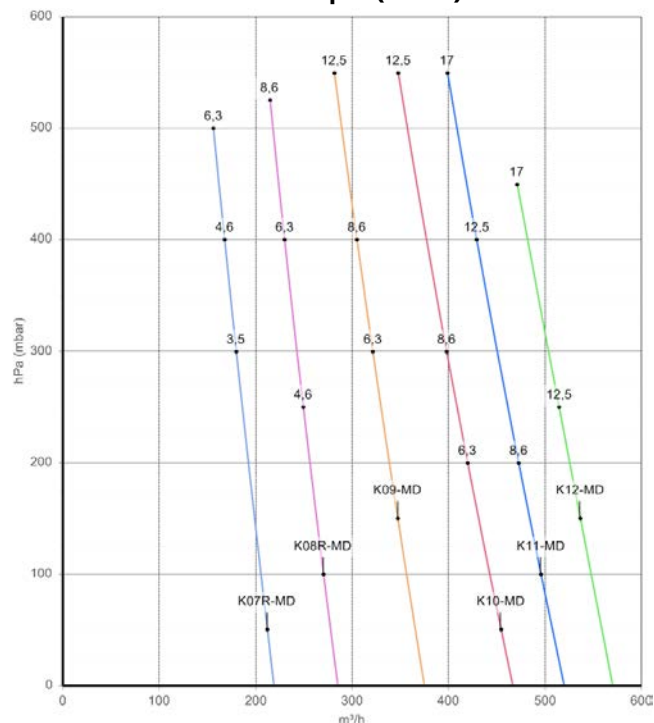
Leq: Noise level

PRESSURE

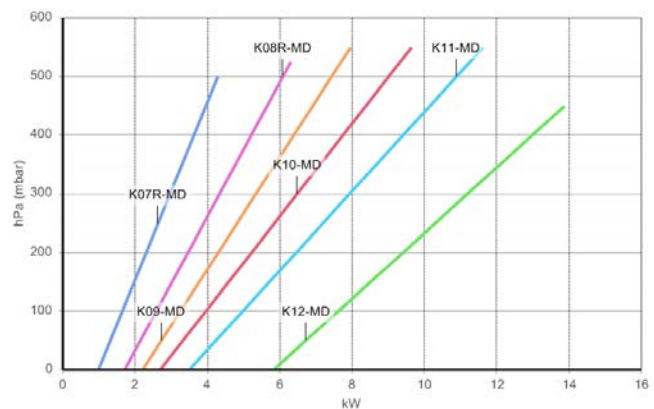
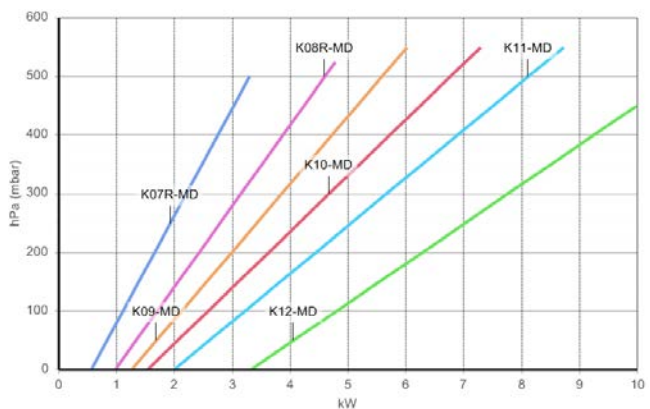
2900 rpm (50 Hz)



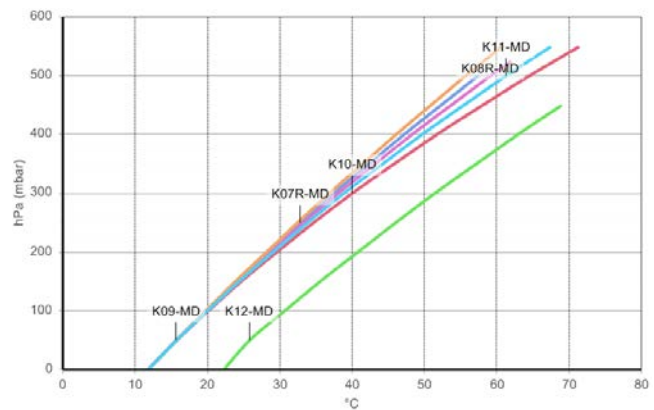
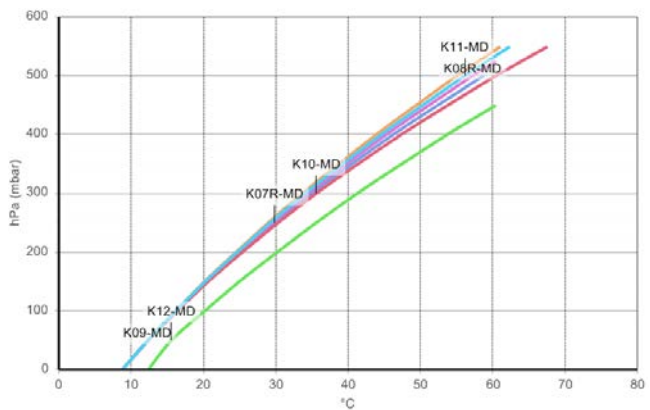
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER



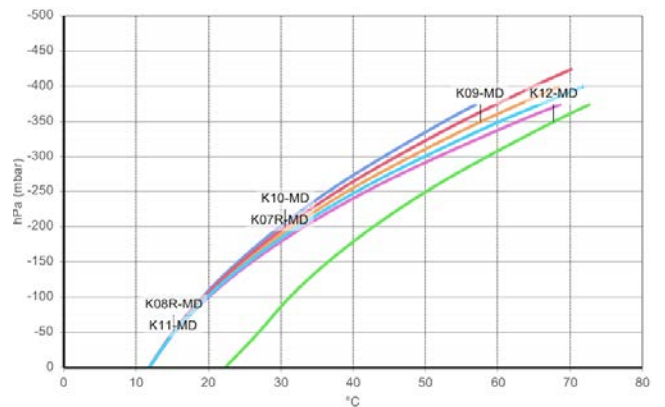
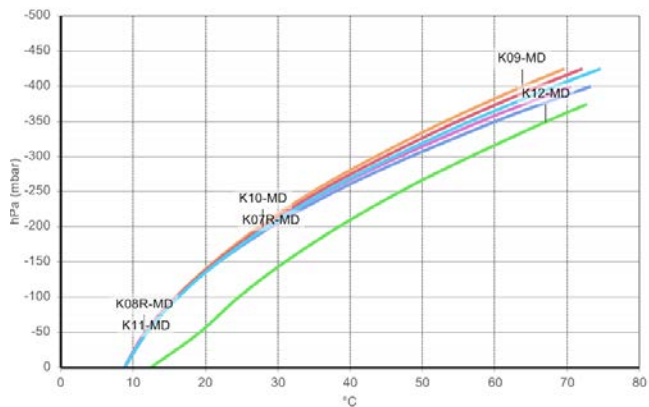
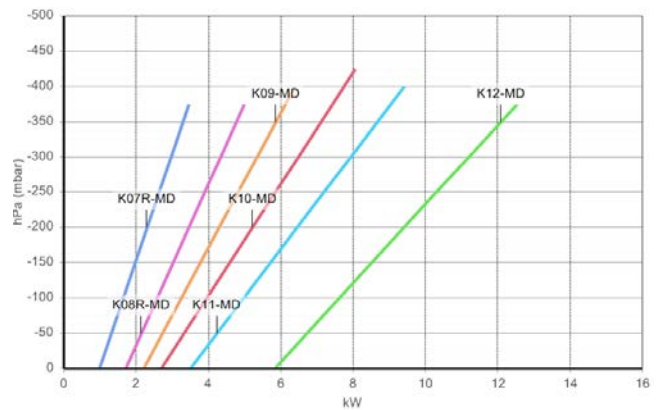
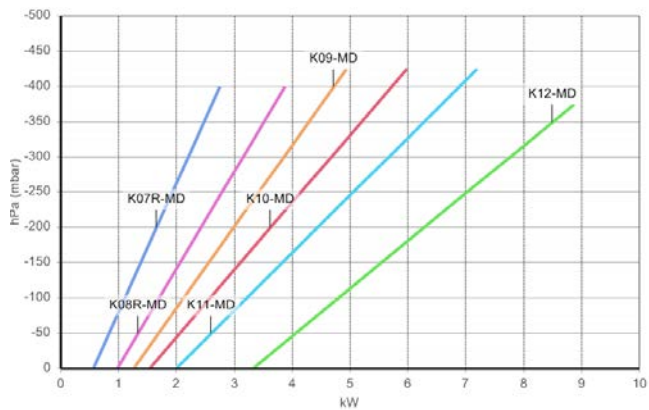
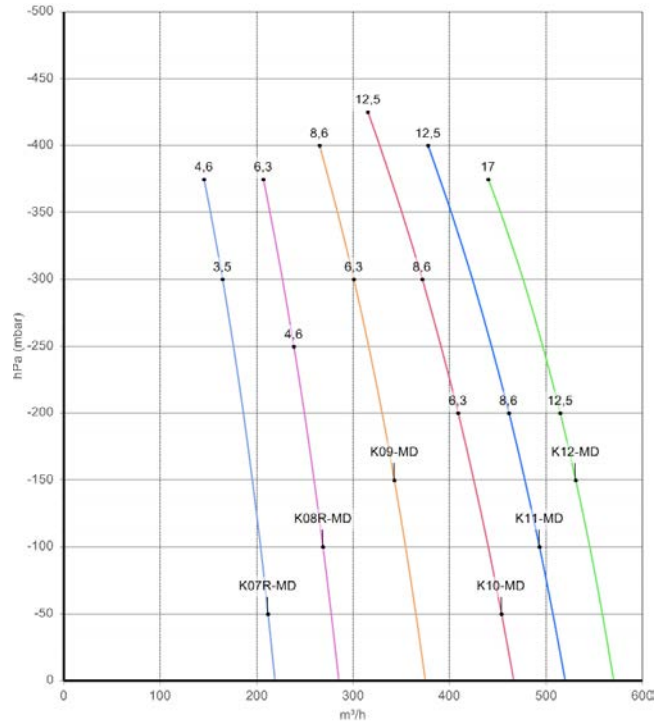
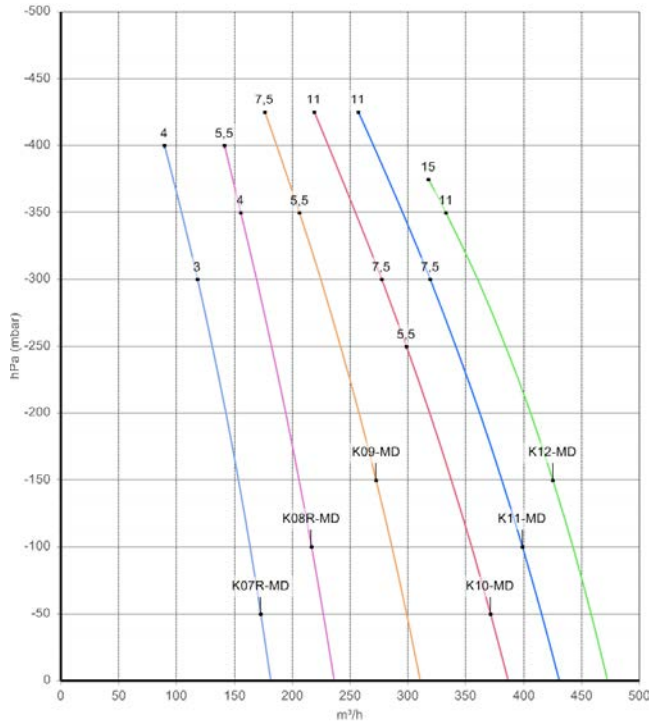
TEMPERATURE INCREASE

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.

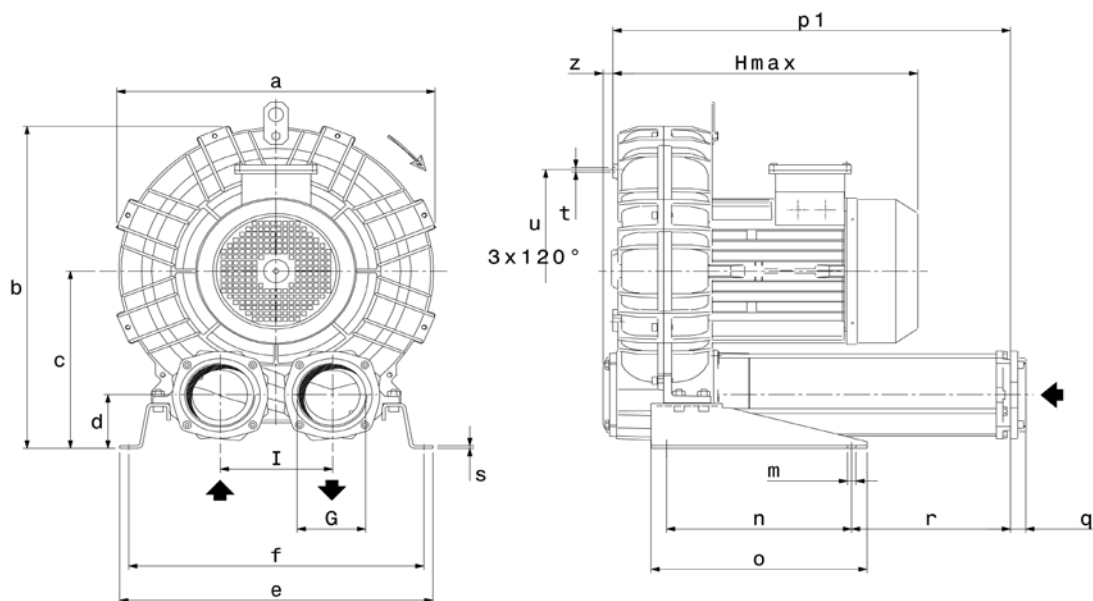
VACUUM

2900 rpm (50 Hz)

3500 rpm (60 Hz)



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 (K07R-MD/K08R-MD/K09-MD/K10-MD/K11-MD/K12-MD)


Dimensions in mm - FOR REFERENCE ONLY

Model	a	b	c	d	e	f	G	H	i	m
K07R-MD	424	481	269	82	468	438	G 2"	535	155	13
K08R-MD	457	498	269	82	478	448	G 2"	535	155	13
K09-MD	492	561	315	96	508	478	G 4"	672	182	13
K10-MD	516	573	315	96	508	478	G 4"	672	182	13
K11-MD	542	603	332	91	538	508	G 4"	677	200	13
K12-MD	548	606	332	91	538	508	G 4"	680	200	13

Model	n	o	p1	q	r	s	t	u	z
K07R-MD	300	350	418	18	43	5	M8	295	16
K08R-MD	300	350	418	18	43	5	M8	310	16
K09-MD	300	350	644	25	257	5	M8	360	16
K10-MD	300	350	644	25	257	5	M8	360	16
K11-MD	300	350	654	25	262	5	M8	390	16
K12-MD	300	350	657	25	262	5	M8	390	13