

FPZ
BLOWER TECHNOLOGY

SERIES K-MD GOR



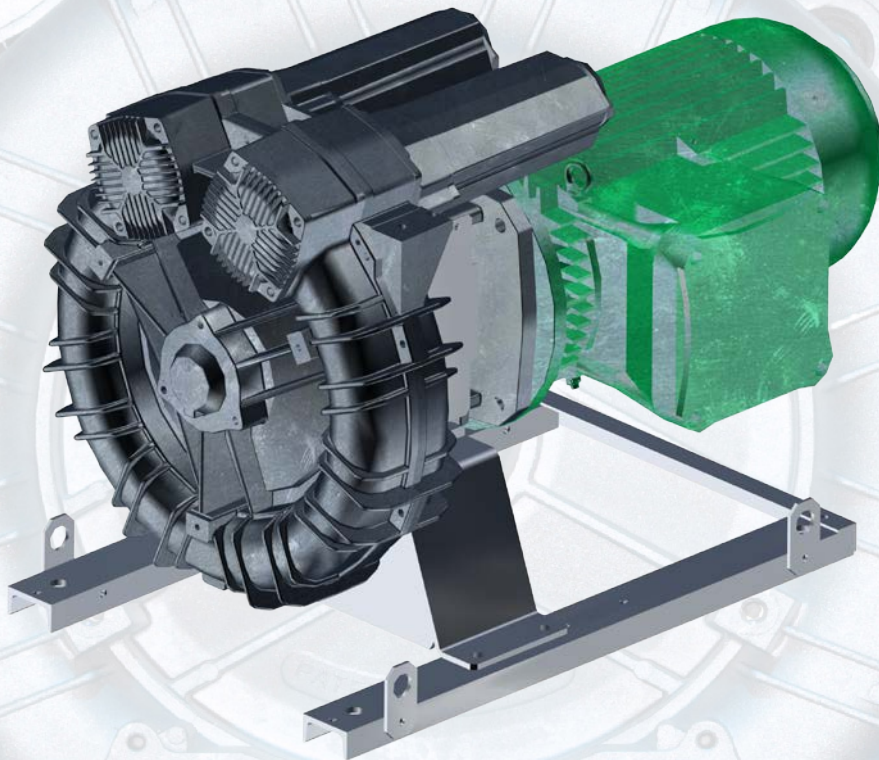
IE2 VERSION

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]	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]
K07R-MD	2,2	2,2	181	219	90B5	275	150	71,5	73,5	45,5
	3	3	181	219	100B5	400	275	72	74	45,5
	4	4	181	219	112 B5	575	400	72,5	74,5	45,5
	5,5	5,5	181	219	132 B5	650	600	73	75	50
	7,5	7,5	181	219	132 B5	650	650	73	75,5	50
K08R-MD	3	3	236	285	100B5	250	125	73,9	75,9	48,5
	4	4	236	285	112 B5	375	225	74,2	76,2	48,5
	5,5	5,5	236	285	132 B5	550	375	74,6	76,6	51,5
	7,5	7,5	236	285	132 B5	650	600	75	77	51,5
K09-MD	5,5	5,5	310	374	132 B5	425	275	76	78	65,5
	7,5	7,5	310	374	132 B5	650	450	77,5	79,5	65,5
	11	11	310	374	132B5/160B5	725	725	78,5	81,3	68
K10-MD	5,5	5,5	386	466	132 B5	325	200	77,9	79,9	68,5
	7,5	7,5	386	466	132 B5	500	325	78,3	80,3	68,5
	11	11	386	466	132B5/160B5	725	600	79,4	81,4	71
	15	15	386	466	132B5/160B5	725	725	79,4	82	71
K11-MD	5,5	5,5	430	519	132 B5	250	-	78,8	-	73
	7,5	7,5	430	519	132 B5	400	225	79,1	81,1	73
	11	11	430	519	132B5/160B5	650	450	79,7	81,7	75
	15	15	430	519	132B5/160B5	725	675	80	82	75
	18,5	18,5	430	519	160 B5	725	725	80	82,3	75
K12-MD	7,5	7,5	473	570	132 B5	225	-	80	-	76,5
	11	11	473	570	132B5/160B5	450	250	80,6	82,6	76,5
	15	15	473	570	132B5/160B5	650	400	80,9	82,9	78,5
	18,5	18,5	473	570	160 B5	650	600	80,9	83,2	78,5

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

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.

³ Electric motor's construction form.

N: Installed motor power

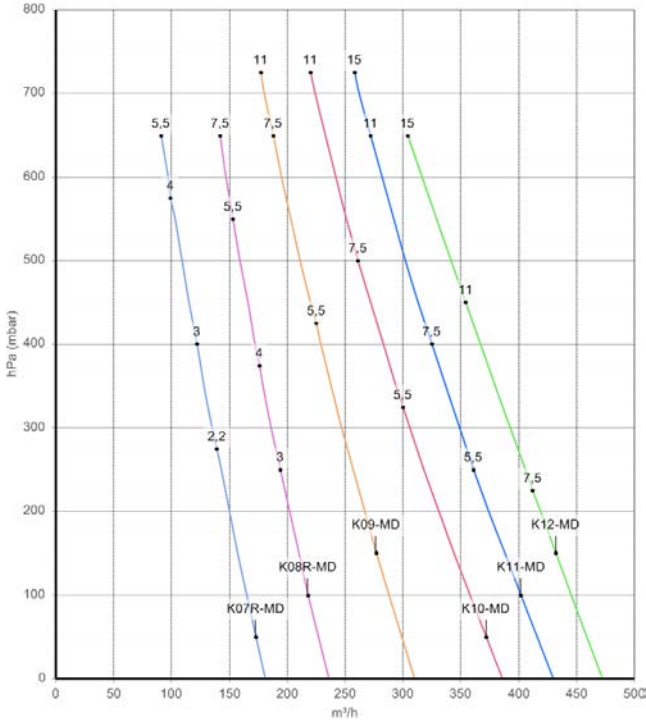
Q: Flow rate

ΔP: Differential pressure

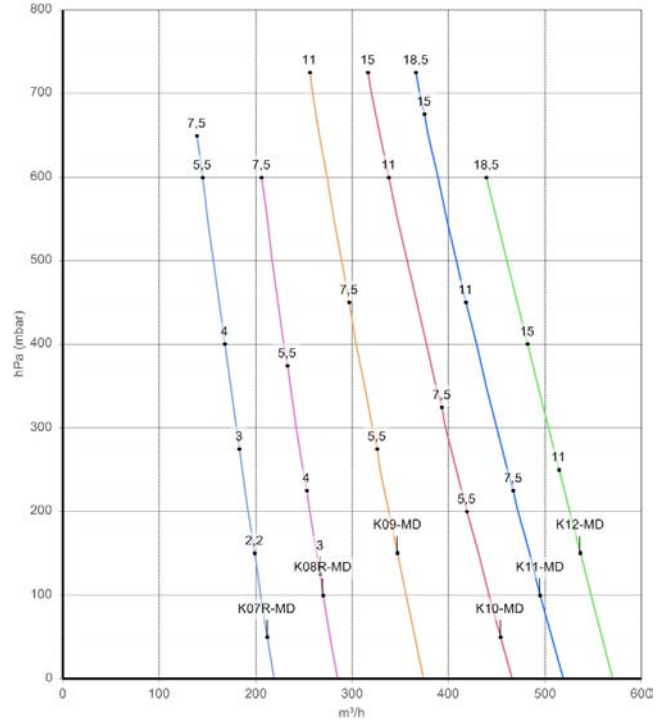
Leq: Noise level

PRESSURE

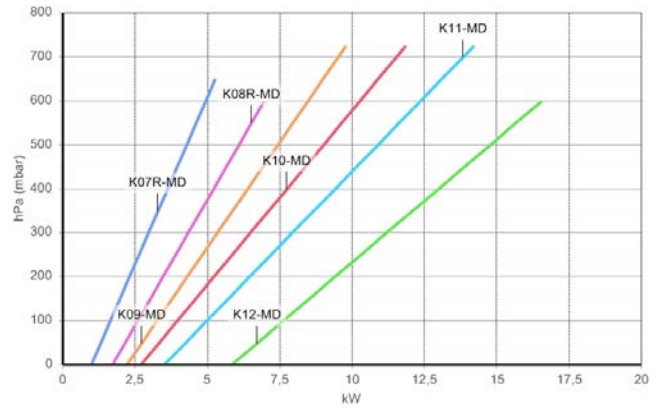
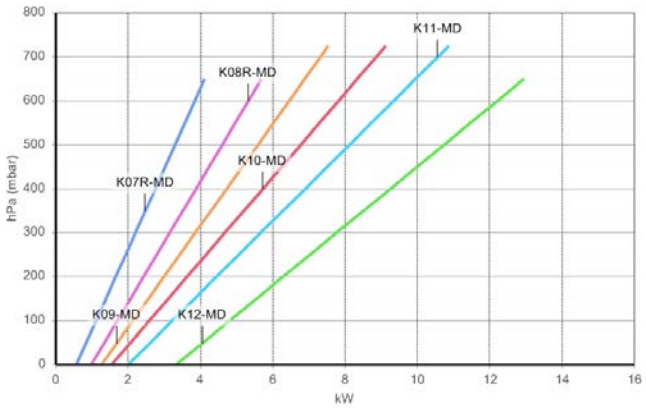
2900 rpm (50 Hz)



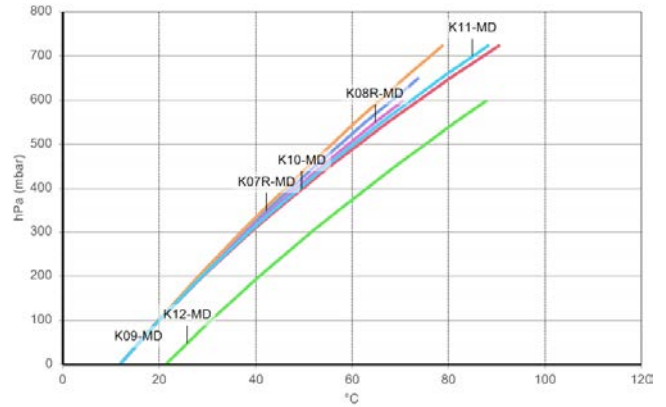
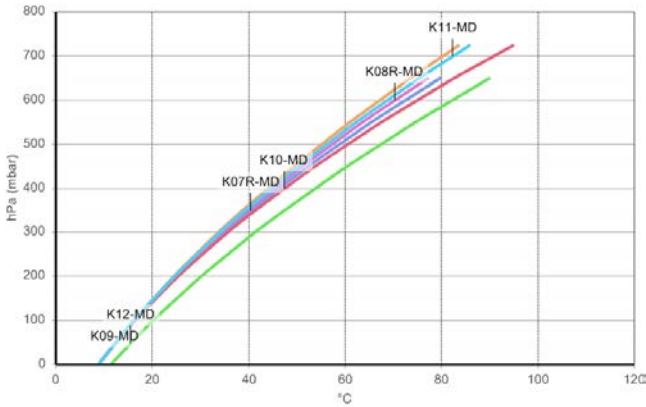
3500 rpm (60 Hz)



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

Mod	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m ³ /h]	Q max 3500 rpm [m ³ /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]
K07R-MD	2,2	2,2	181	219	90B5	275	150	70,5	72,5	45,5
	3	3	181	219	100B5	400	275	71	73	45,5
	4	4	181	219	112 B5	450	400	71,5	73,5	45,5
	5,5	5,5	181	219	132 B5	450	450	71,5	74	50
	7,5	7,5	181	219	132 B5	-	-	-	-	50
K08R-MD	3	3	236	285	100B5	250	125	73,4	75,4	48,5
	4	4	236	285	112 B5	375	225	73,7	75,7	48,5
	5,5	5,5	236	285	132 B5	450	375	74,1	76,1	51,5
	7,5	7,5	236	285	132 B5	450	450	74,1	76,5	51,5
K09-MD	5,5	5,5	310	374	132 B5	425	275	75,5	77,5	65,5
	7,5	7,5	310	374	132 B5	450	450	77	79	65,5
	11	11	310	374	132B5/160B5	-	-	-	-	68
K10-MD	5,5	5,5	386	466	132 B5	325	200	78,4	80,4	68,5
	7,5	7,5	386	466	132 B5	475	325	78,7	80,7	68,5
	11	11	386	466	132B5/160B5	475	475	78,7	81,8	71
	15	15	386	466	132B5/160B5	-	-	-	-	71
K11-MD	5,5	5,5	430	519	132 B5	250	-	78,4	-	73
	7,5	7,5	430	519	132 B5	400	225	78,7	80,7	73
	11	11	430	519	132B5/160B5	475	450	79	81,3	75
	15	15	430	519	132B5/160B5	475	475	79	81,6	75
	18,5	18,5	430	519	160 B5	-	-	-	-	75
K12-MD	7,5	7,5	473	570	132 B5	225	-	79,6	-	76,5
	11	11	473	570	132B5/160B5	450	250	80,2	82,2	76,5
	15	15	473	570	132B5/160B5	450	400	80,2	82,5	78,5
	18,5	18,5	473	570	160 B5	450	450	80,2	82,8	78,5

⁷ Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

⁸ Value refers to the weight of the machine with 3 Phase motor if MOR range, without motor if GOR or GVR range.

⁹ Electric motor's construction form.

N: Installed motor power

Q: Flow rate

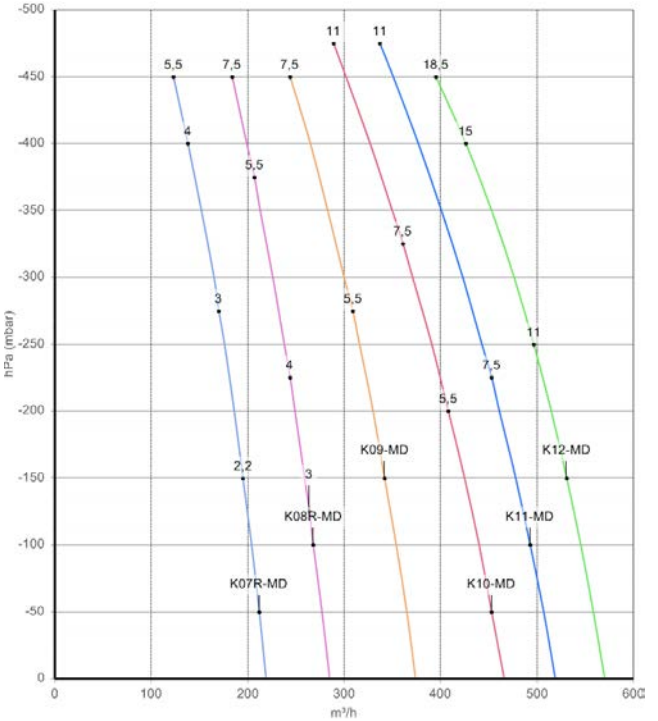
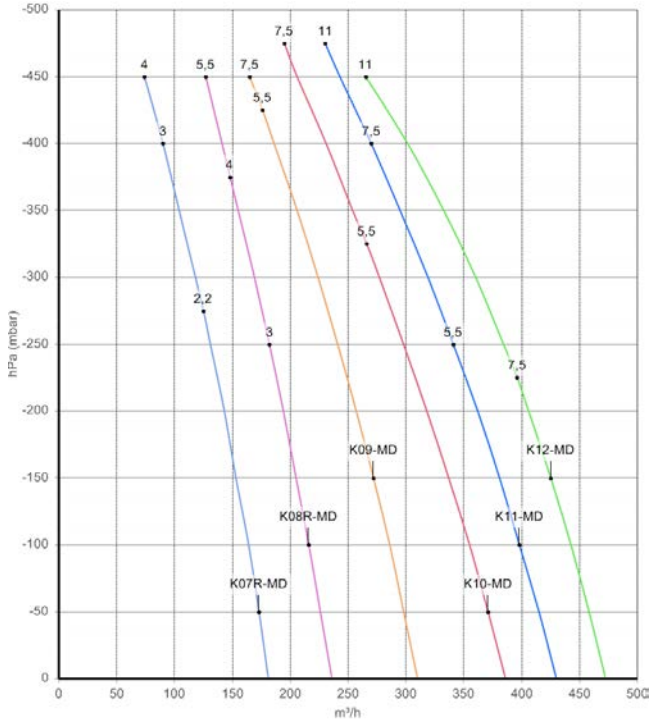
ΔP: Differential pressure

Leq: Noise level

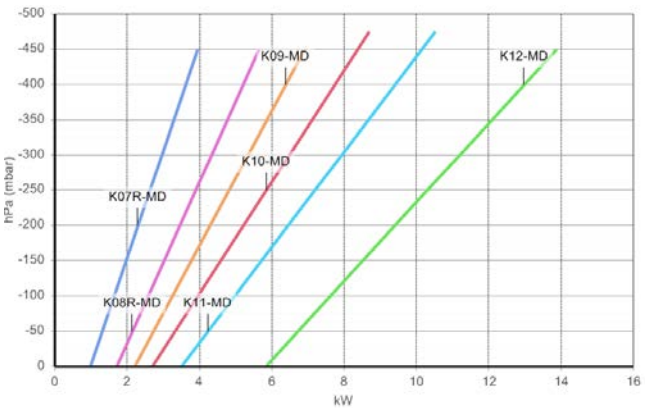
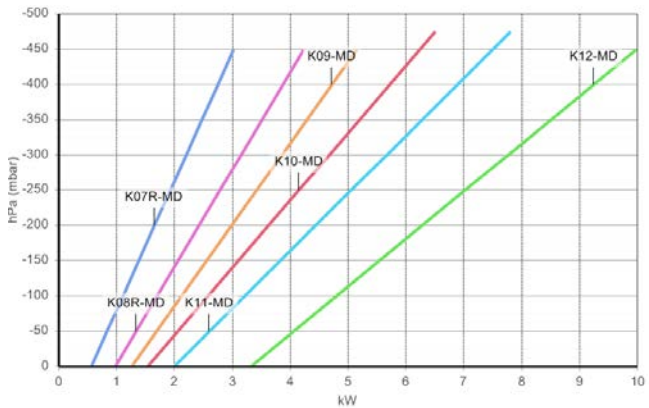
VACUUM

2900 rpm (50 Hz)

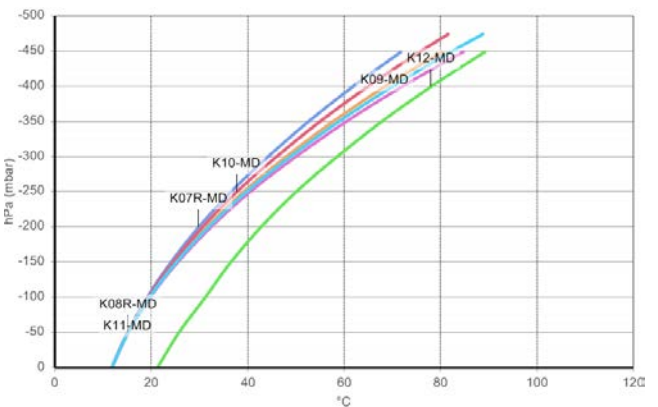
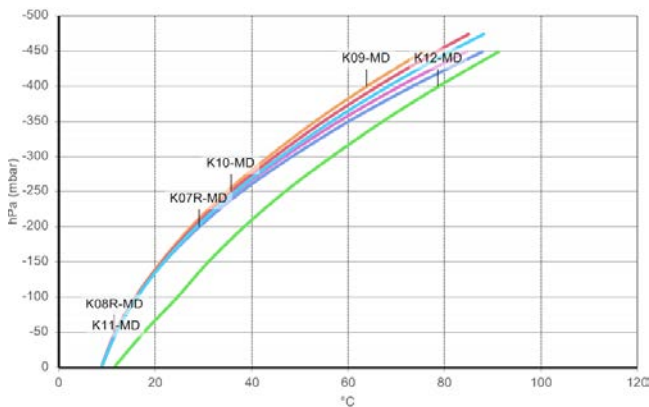
3500 rpm (60 Hz)



FLOW RATE

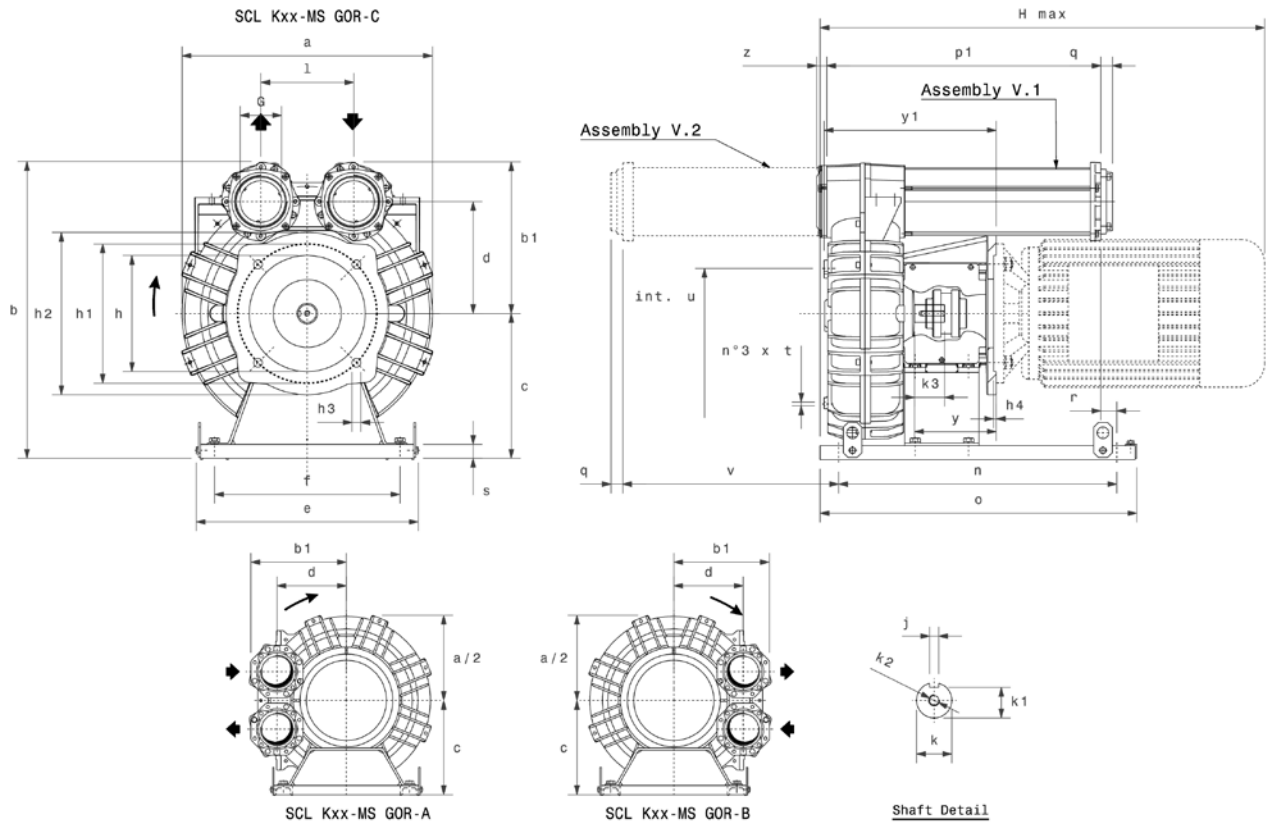


ABSORBED POWER



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.

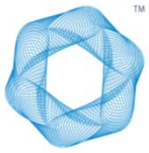
DIMENSIONS (K07R-MD/K08R-MD/K09-MD/K10-MD/K11-MD/K12-MD)


Dimensions in mm - FOR REFERENCE ONLY

Model	E.M.	a	b	b1	c	d	e	f	G	H	h
K07R-MD	100B5	424	532	262	270	187	390	340	G 2"	635	215
K07R-MD	112 B5	424	532	262	270	187	390	340	G 2"	635	215
K07R-MD	132 B5	424	532	262	270	187	390	340	G 2"	716	265
K07R-MD	90B5	424	532	262	270	187	390	340	G 2"	580	165
K08R-MD	100B5	457	532	262	270	187	390	340	G 2"	635	215
K08R-MD	112 B5	457	532	262	270	187	390	340	G 2"	635	215
K08R-MD	132 B5	457	532	262	270	187	390	340	G 2"	716	265
K09-MD	132 B5	492	617	302	315	220	460	400	G 4"	755	265
K09-MD	160 B5	492	670	355	315	271	470	400	G 4"	755/895	300
K10-MD	132 B5	516	617	302	315	220	460	400	G 4"	755	265
K10-MD	160 B5	516	670	355	315	271	470	400	G 4"	895	300
K11-MD	132 B5	542	640	325	325	241	460	400	G 4"	760	265
K11-MD	160 B5	542	640	325	325	241	460	400	G 4"	895	300
K12-MD	132 B5	548	640	325	325	241	460	400	G 4"	763	265
K12-MD	160 B5	548	640	325	325	241	460	400	G 4"	898	300

Model	h1	h2	h3	h4	i	j	k	k1	k2	k3	m	n
K07R-MD	180	250	15	5	155	10	38	33	M12	65	18	520
K07R-MD	180	250	15	5	155	10	38	33	M12	65	18	520
K07R-MD	230	300	15	5	155	10	38	33	M12	65	18	520
K07R-MD	130	250	15	5	155	10	38	33	M12	65	18	520
K08R-MD	180	250	15	5	155	10	38	33	M12	65	18	520
K08R-MD	180	250	15	5	155	10	38	33	M12	65	18	520
K08R-MD	230	300	15	5	155	10	38	33	M12	65	18	520
K09-MD	230	300	15	5	182	10	38	33	M12	65	18	600
K09-MD	250	350	19	6	182	10	38	33	M12	65	18	600
K10-MD	230	300	15	5	182	10	38	33	M12	65	18	600
K10-MD	250	350	19	6	182	10	38	33	M12	65	18	600
K11-MD	230	300	15	5	200	10	38	33	M12	65	18	600
K11-MD	250	350	19	6	200	10	38	33	M12	65	18	600
K12-MD	230	300	15	5	200	10	38	33	M12	65	18	600
K12-MD	250	350	19	6	200	10	38	33	M12	65	18	600

Model	o	p1	q	r	r1	s	t	u	y	y1	z
K07R-MD	600	418	18	-	119	25	M8	295	133	305	16
K07R-MD	600	418	18	-	119	25	M8	295	133	305	16
K07R-MD	600	418	18	-	131	25	M8	295	158	330	16
K07R-MD	600	418	18	-	119	25	M8	295	133	305	16
K08R-MD	600	418	18	-	131	25	M8	310	133	305	16
K08R-MD	600	418	18	-	131	25	M8	310	133	305	16
K08R-MD	600	418	18	-	131	25	M8	310	158	330	16
K09-MD	680	644	25	18	-	30	M8	360	158	342	16
K09-MD	680	753	25	133	-	30	M8	360	188	372	16
K10-MD	680	644	25	18	-	30	M8	360	158	342	16
K10-MD	680	753	25	133	-	30	M8	360	188	372	16
K11-MD	680	654	25	23	-	30	M8	390	158	347	16
K11-MD	680	654	25	23	-	30	M8	390	183	372	16
K12-MD	680	657	25	23	-	30	M8	390	158	350	16
K12-MD	680	657	25	23	-	30	M8	390	183	375	13



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