

FPZ
BLOWER TECHNOLOGY

SERIES R-MD MOR



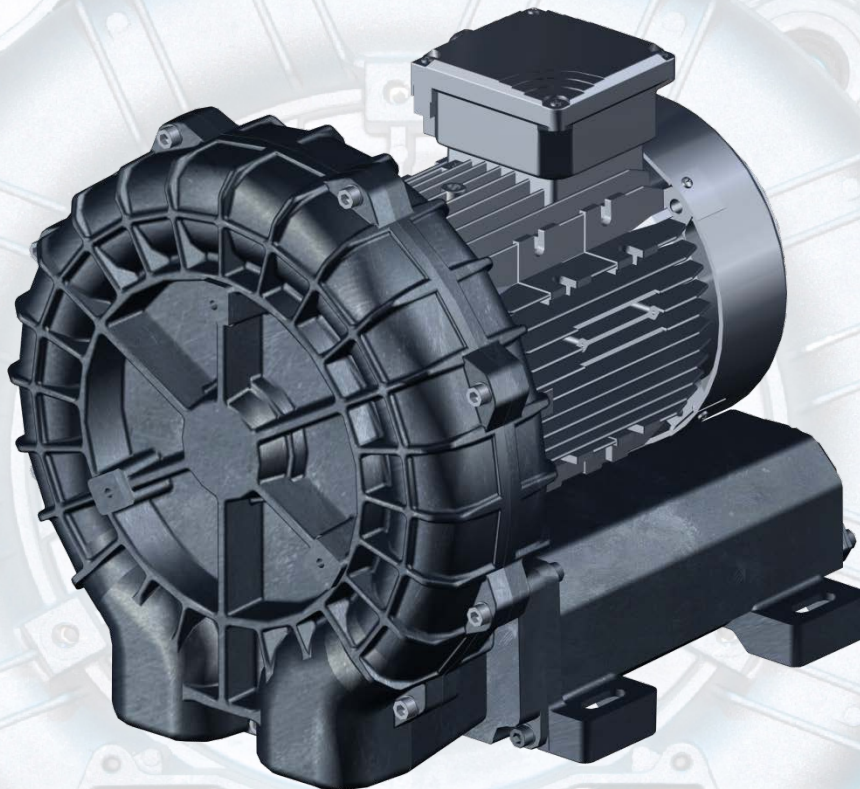
IE2 VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

OPTIONS

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



Data sheet

LATERAL CHANNEL BLOWERS-EXHAUSTERS

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




PRESSURE

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q 2900 rpm [m³/h]	Q 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]
R20-MD	0,75	0,9	58	70	300	250	66	66	20
	1,1	1,3	58	70	400	400	66,5	66,5	21,5
R30-MD	1,1	1,3	89	108	300	225	69,2	72,2	25
	1,5	1,75	89	108	425	400	69,7	72,7	26
R40-MD	2,2	2,55	118	142	400	350	70,8	72,8	33,5
	3	3,4	118	142	500	500	71,3	73,3	35

VACUUM

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q 2900 rpm [m³/h]	Q 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]
R20-MD	0,75	0,9	58	70	300	250	65	68	20
	1,1	1,3	58	70	-	350	66	68,5	21,5
R30-MD	1,1	1,3	89	108	300	225	65,7	68,7	25
	1,5	1,75	89	108	350	350	66,2	69,2	26
R40-MD	2,2	2,55	118	142	350	350	71,3	73,3	33,5
	3	3,4	118	142	-	-	-	-	35

 **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.

N: Installed motor power

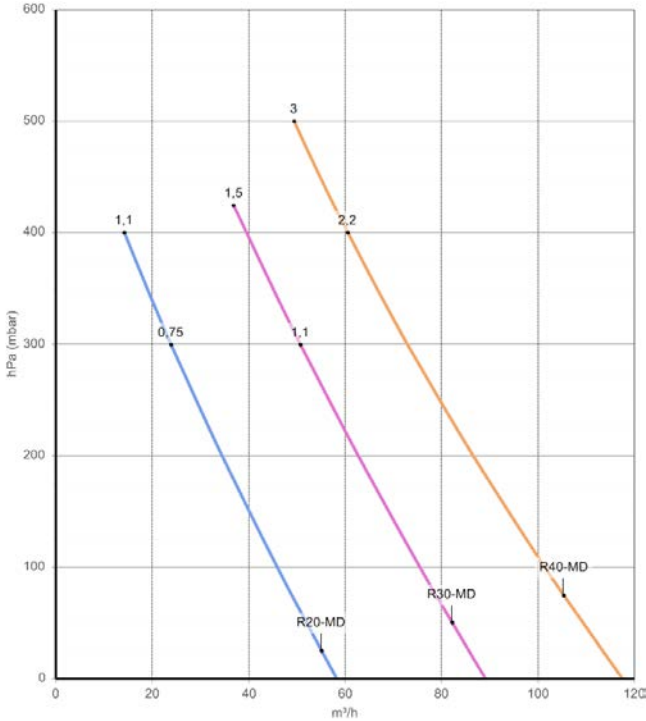
Q: Flow rate

ΔP: Differential pressure

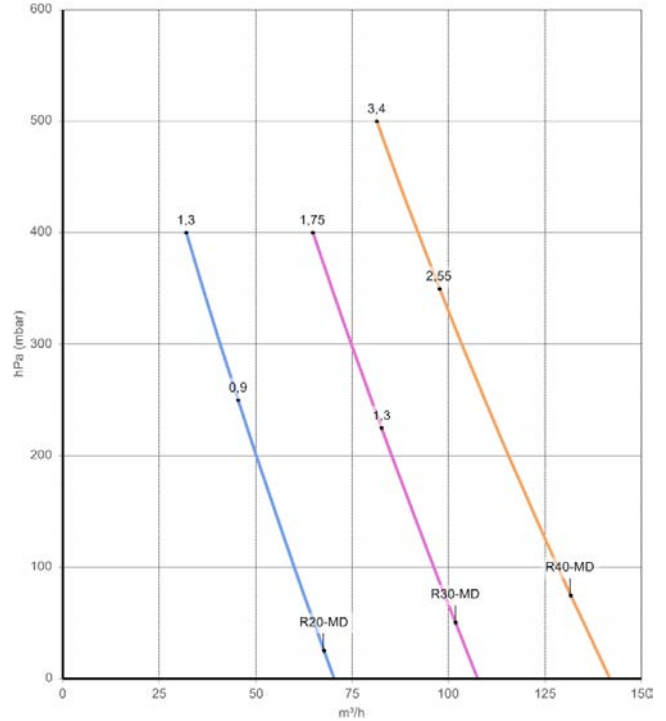
Leq: Noise level

PRESSURE

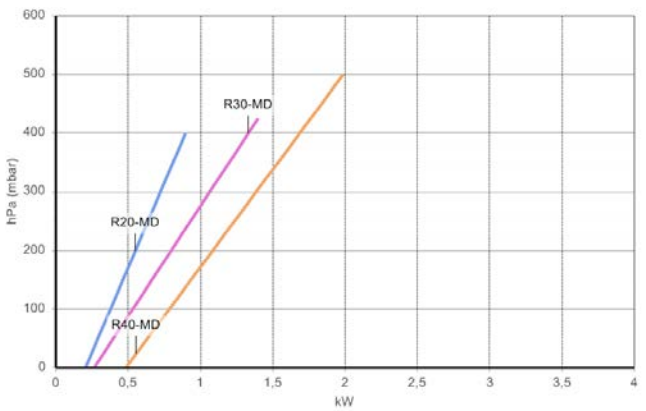
2900 rpm (50 Hz)



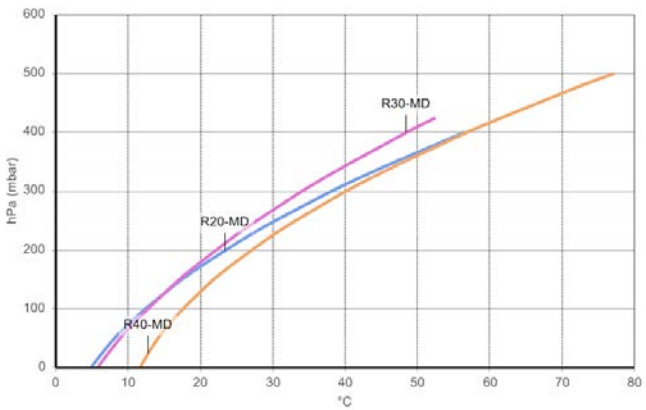
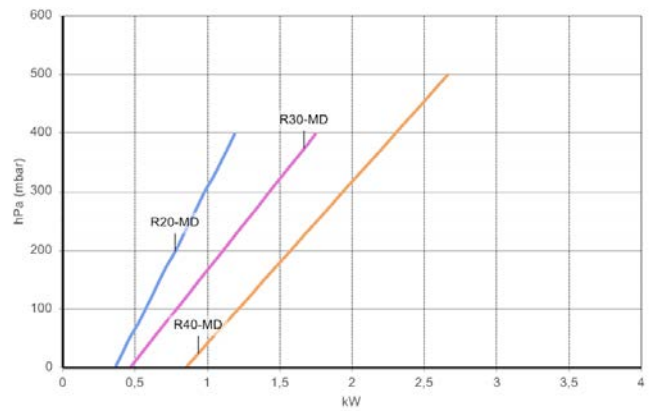
3500 rpm (60 Hz)



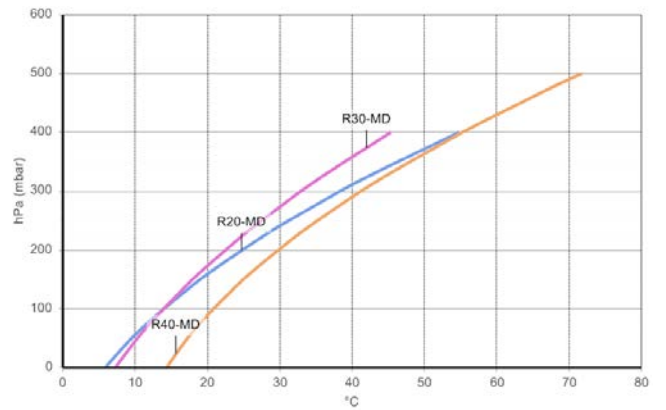
FLOW RATE



ABSORBED POWER



TEMPERATURE INCREASE

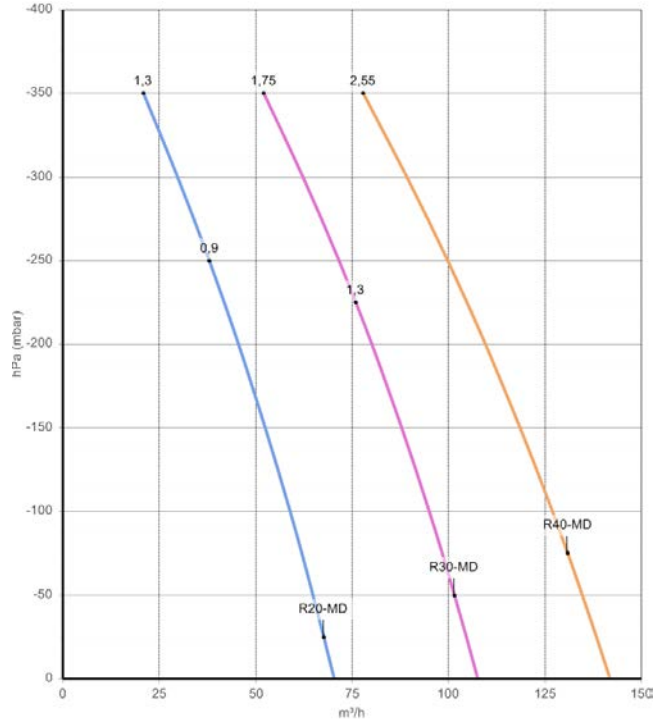
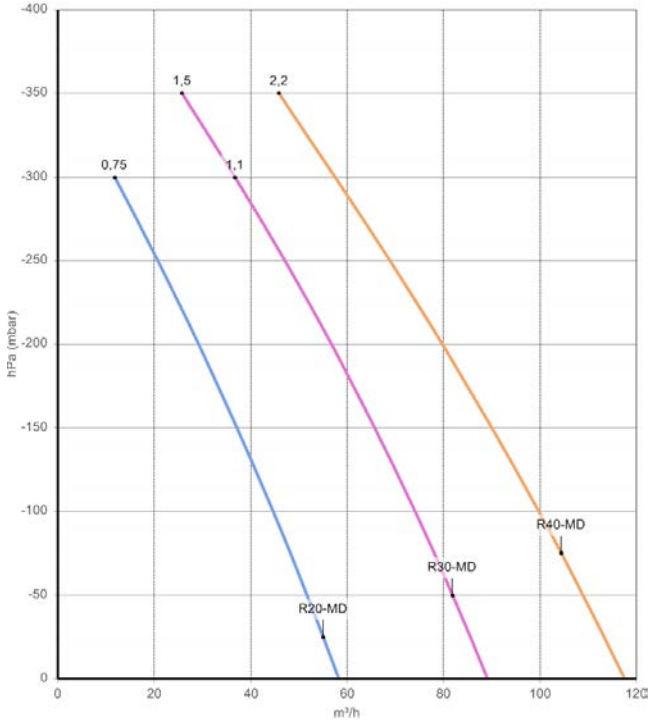


Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: ±10% tolerance.
Data can change without prior notice.

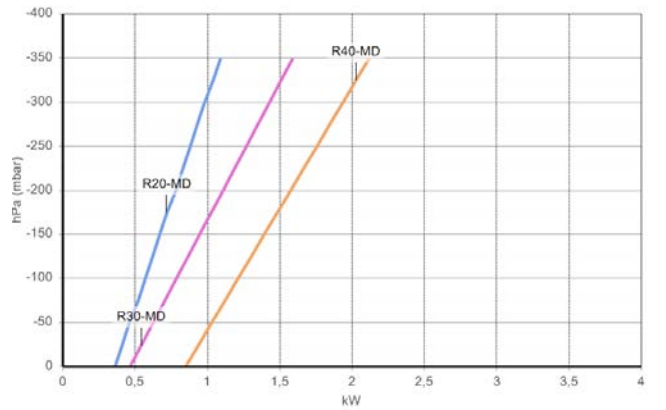
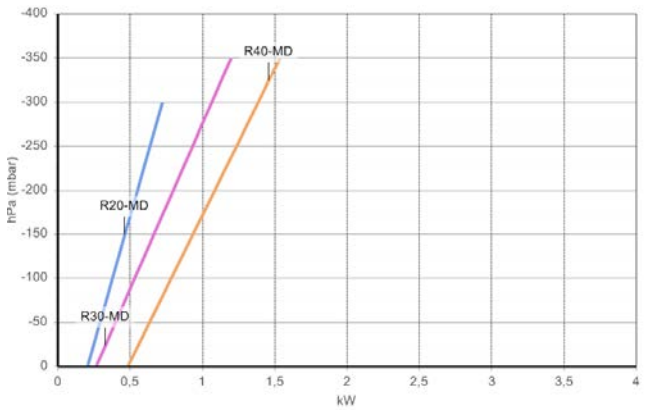
VACUUM

2900 rpm (50 Hz)

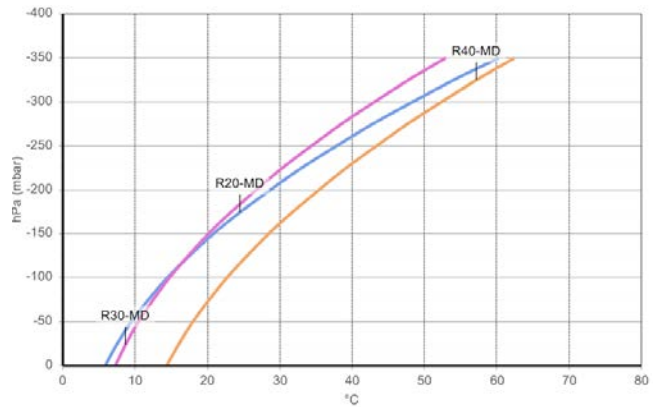
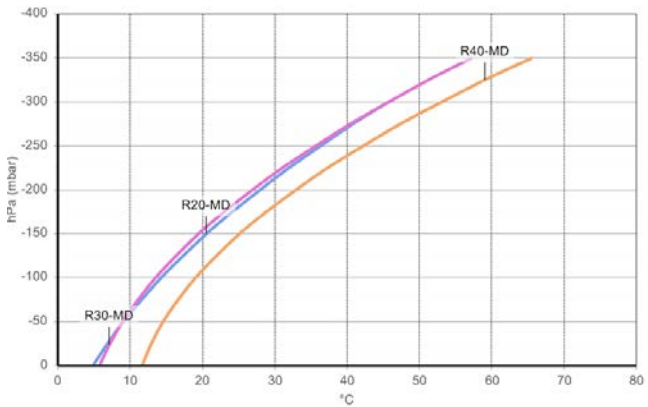
3500 rpm (60 Hz)



FLOW RATE



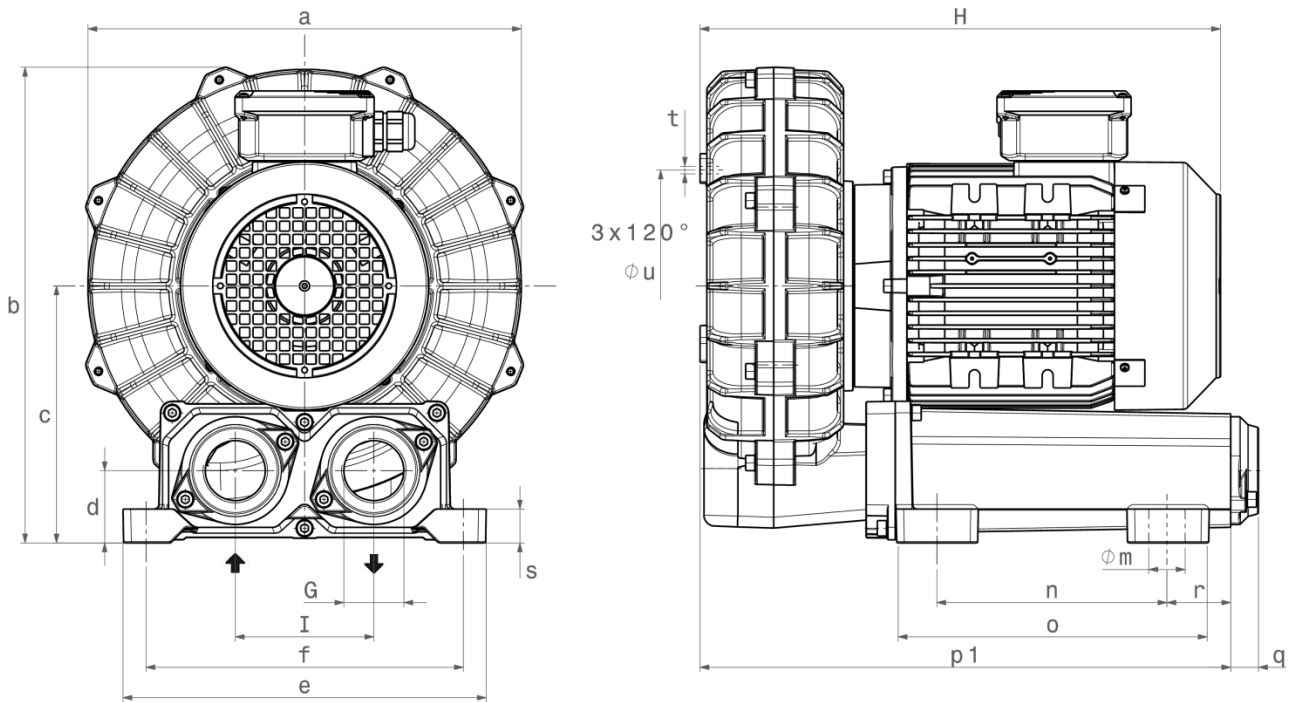
ABSORBED POWER



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 (R20-MD/R30-MD/R40-MD)

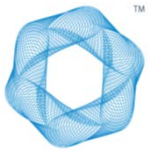


Dimensions in mm - FOR REFERENCE ONLY

Model	a	b	c	d	e	f
R20-MD	285	310	167	45	230	210
R30-MD	318	347	187	45	230	210
R40-MD	350	372	197	45	230	210

Model	G	H	i	m	n	o
R20-MD	G 1" 1/4	338	90	10	150	195
R30-MD	G 1" 1/4	366	90	10	150	195
R40-MD	G 1" 1/4	417	90	10	150	195

Model	p1	q	r	s	t	u
R20-MD	345	18	45	20	M6	150
R30-MD	354	18	45	20	M6	180
R40-MD	364	18	45	20	M8	221



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