

FPZ
BLOWER TECHNOLOGY

SERIES R-MD MOR

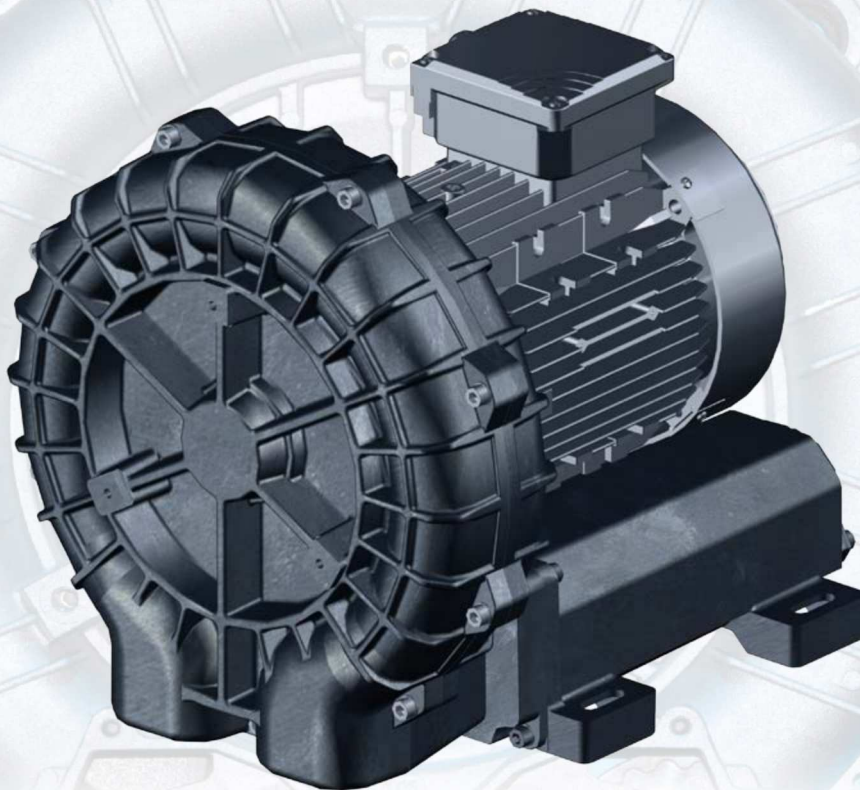
 **IE2 VERSION**

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	N	Q max	Q max	ΔP max	ΔP max	Leq ¹	Leq ¹	Weight ² max [kg]
	2900 rpm [kW]	3500 rpm [kW]	2900 rpm [m ³ /h]	3500 rpm [m ³ /h]	2900 rpm [hPa](mbar)	3500 rpm [hPa](mbar)	2900 rpm (Lp) [dB(A)]	3500 rpm (Lp) [dB(A)]	
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	350	300	69,2	72,2	25
	1,5	1,75	89	108	425	400	69,7	72,7	26

VACUUM

Model	N	N	Q max	Q max	ΔP max	ΔP max	Leq ¹	Leq ¹	Weight ² max [kg]
	2900 rpm [kW]	3500 rpm [kW]	2900 rpm [m ³ /h]	3500 rpm [m ³ /h]	2900 rpm [hPa](mbar)	3500 rpm [hPa](mbar)	2900 rpm (Lp) [dB(A)]	3500 rpm (Lp) [dB(A)]	
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	300	65,7	68,7	25
	1,5	1,75	89	108	350	350	66,2	69,2	26

 **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

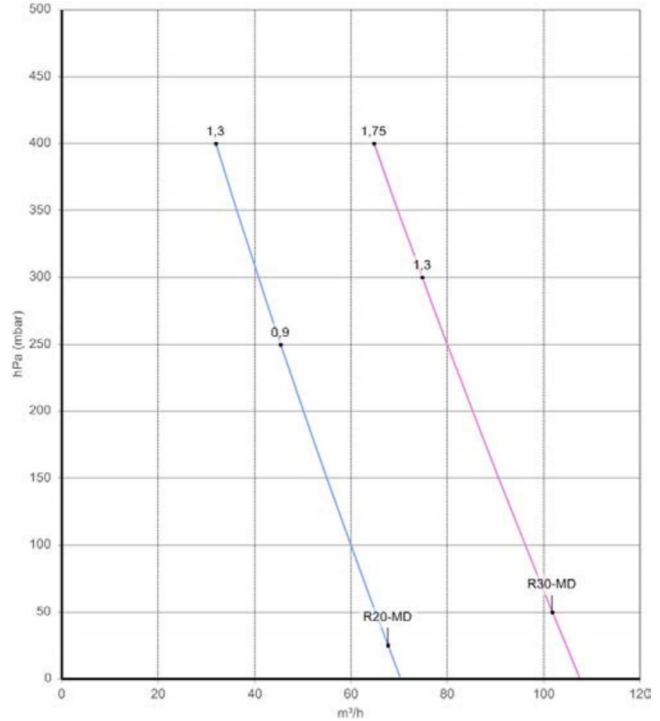
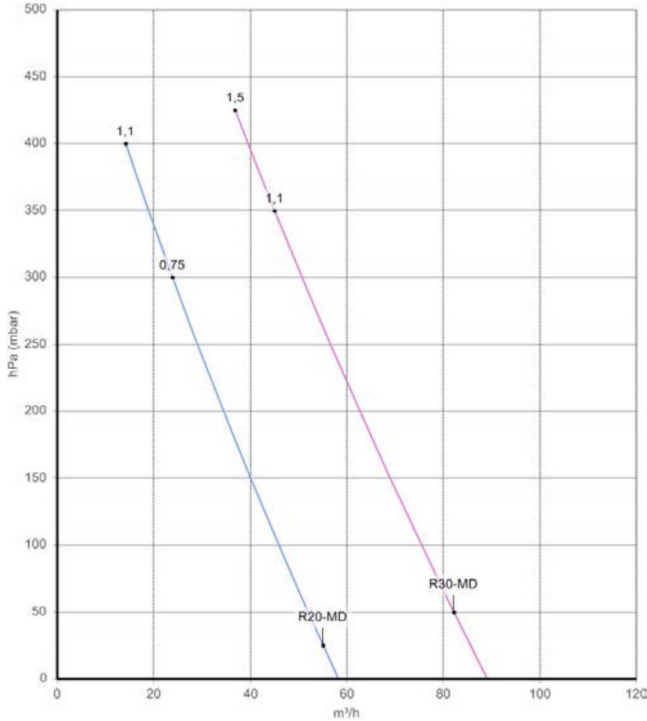
ΔP : Differential pressure

Leq: Noise level

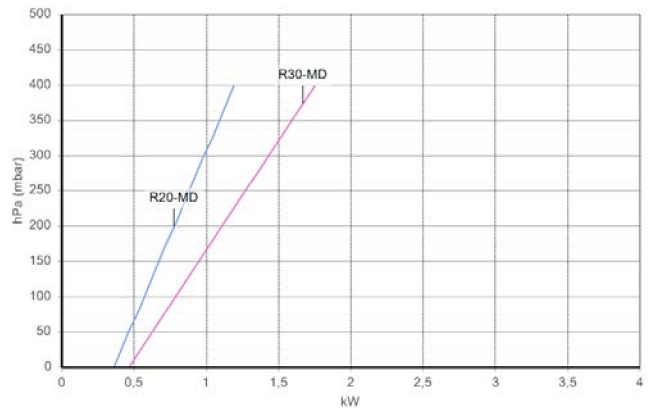
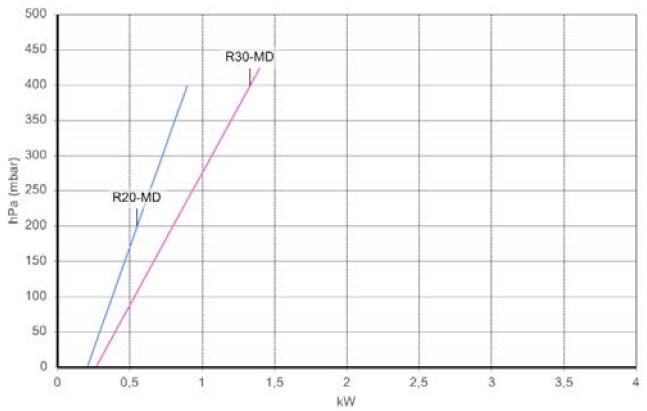
PRESSURE

2900 rpm (50 Hz)

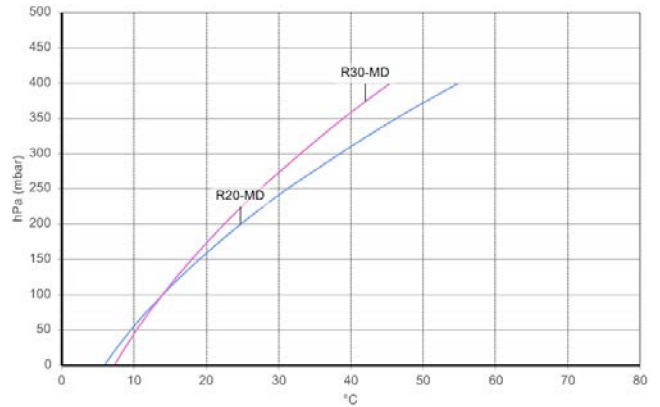
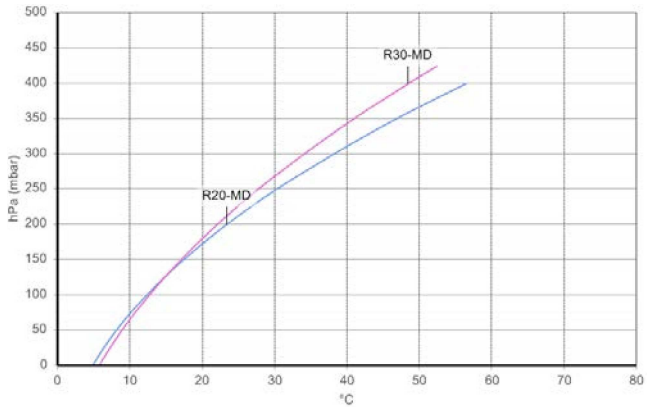
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER



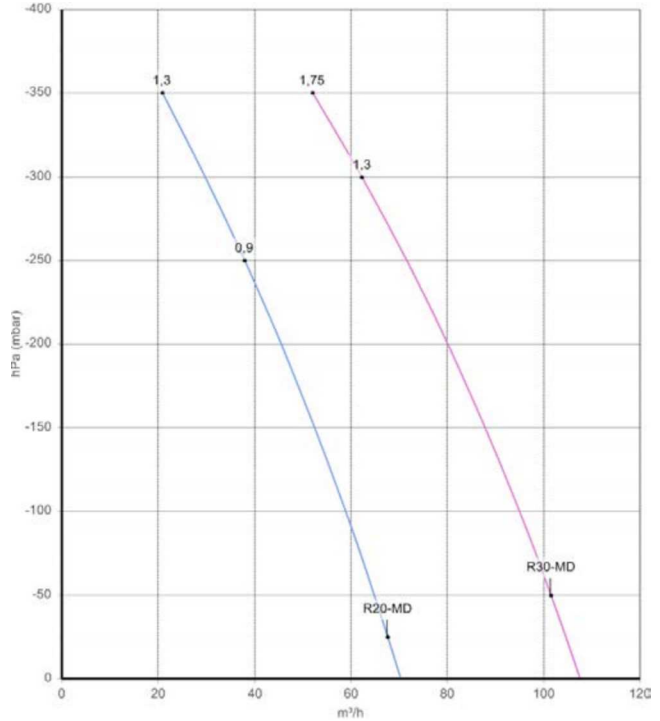
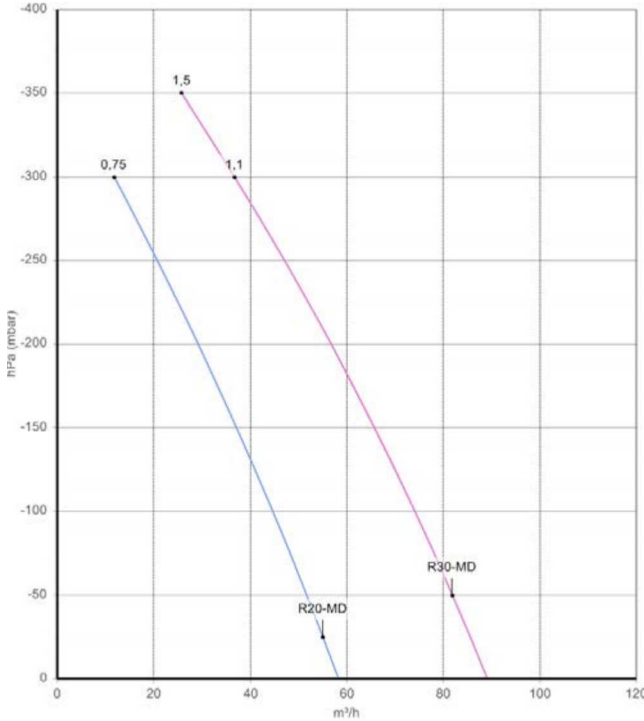
TEMPERATURE INCREASE

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.

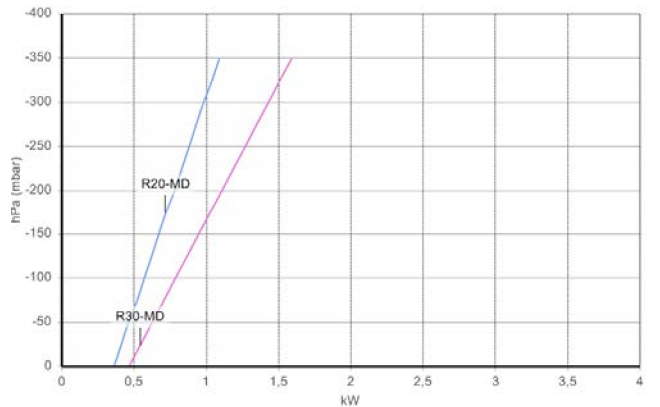
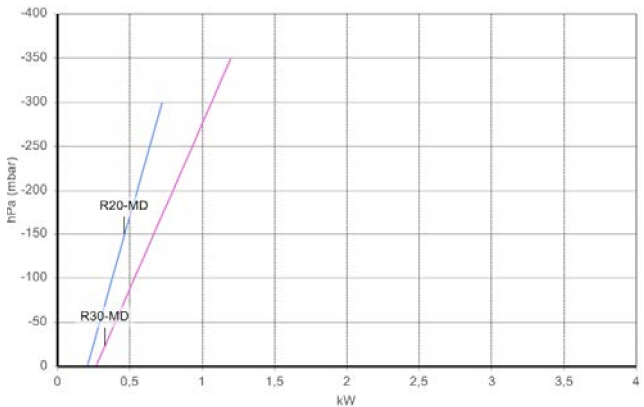
VACUUM

2900 rpm (50 Hz)

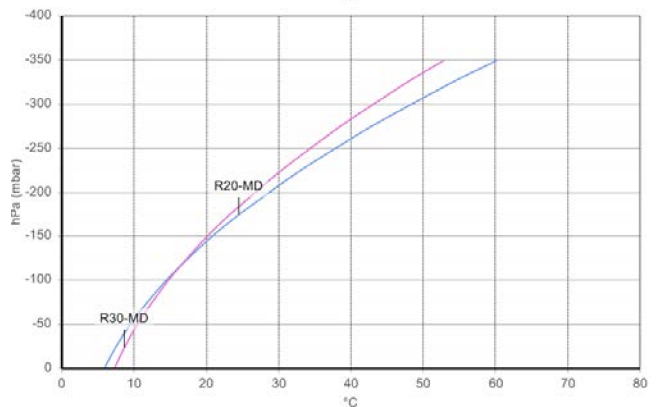
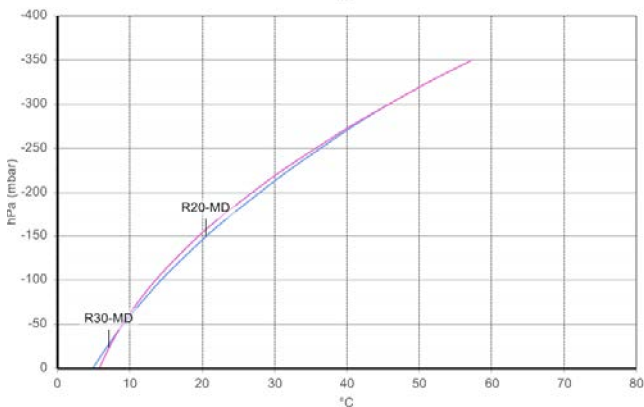
3500 rpm (60 Hz)



FLOW RATE



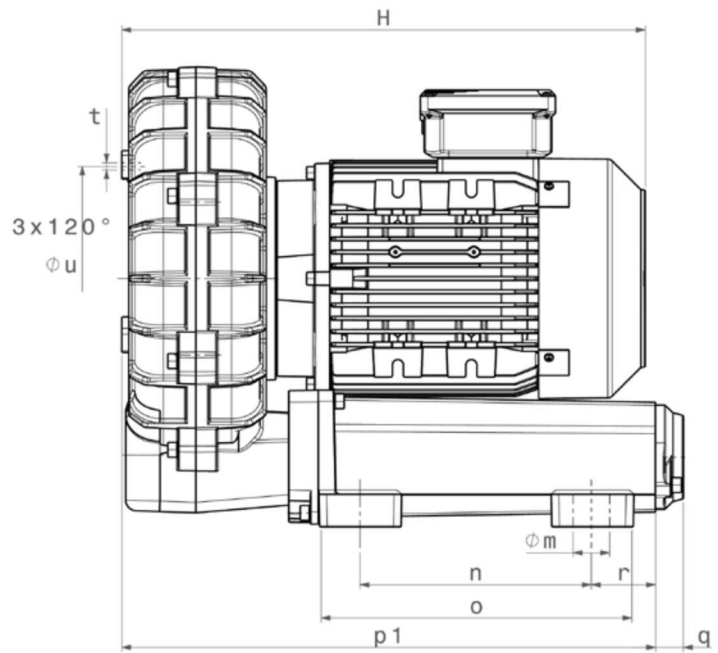
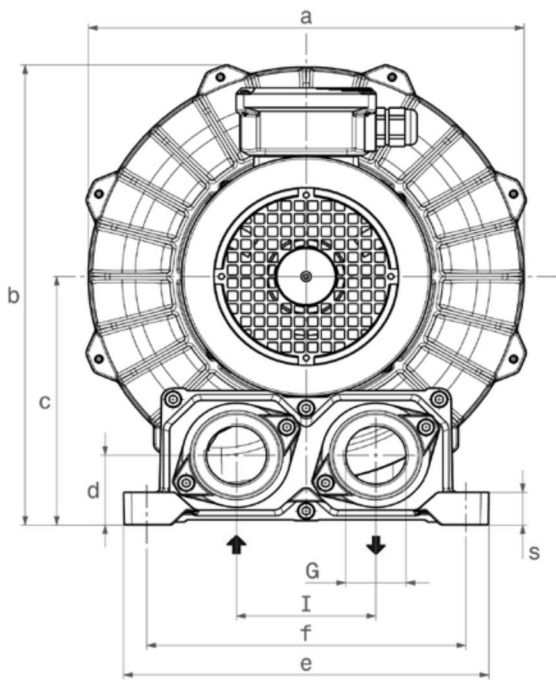
ABSORBED POWER



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/)



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

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

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