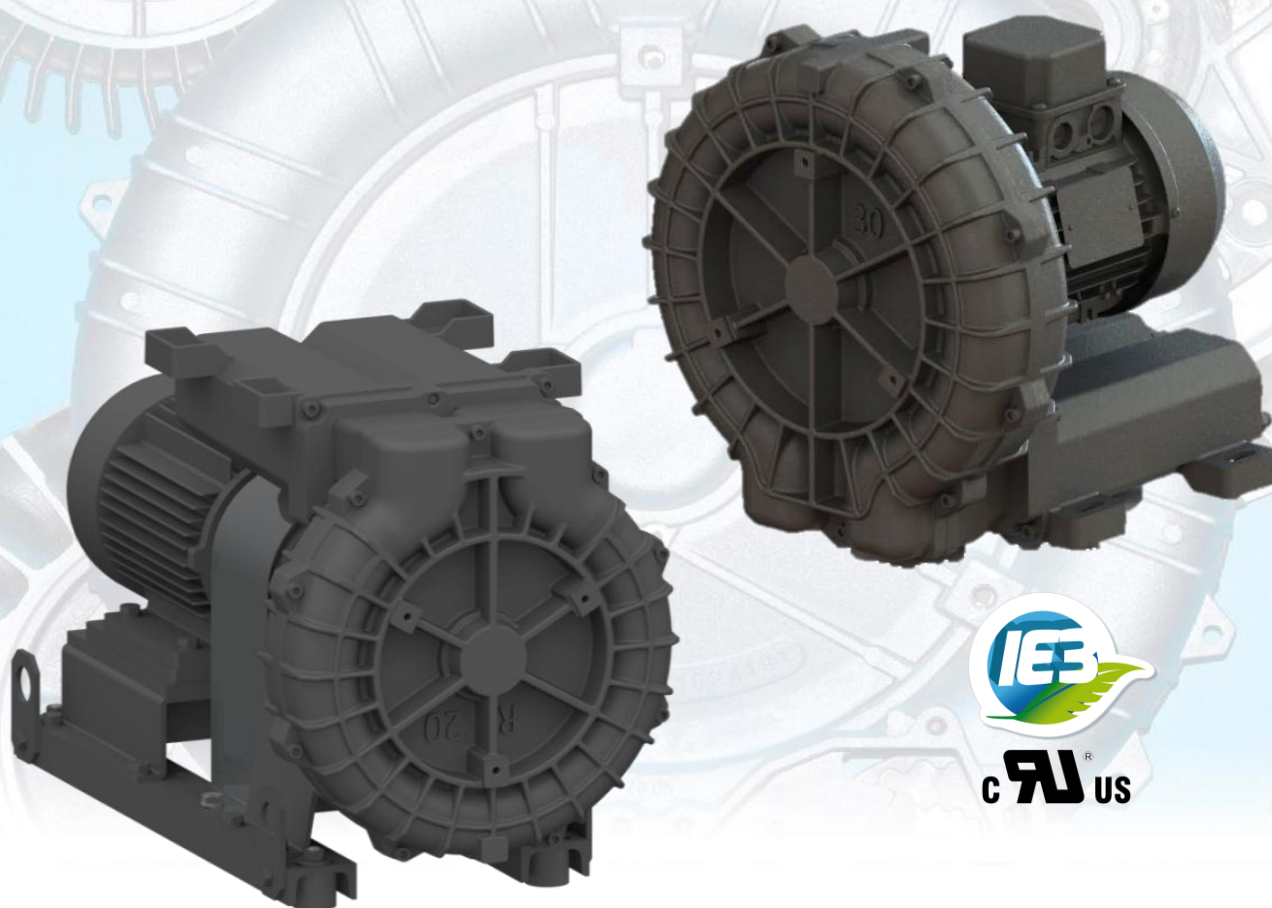


CHARACTERISTICS

- *Aluminium alloy construction*
- *Available in monoblock execution (MOR) and with coupling (GOR)*
- *Electric motors equipped with thermal protection PTO (std for MOR execution)*
- *Painted*

OPTIONS

- *Special voltages (IEC 60038)*
- *Sealed version*
- *Motor protection with PTC (only for GOR execution)*
- *Unpainted*



Technical data

SIDE CHANNEL BLOWERS - EXHAUSTERS



PERFORMANCE

Model	kW]	Frequency [Hz]	[mbar]		[m³/h]	Leq¹ [dB(A)]
			Suction	Compression		
R20-MD	0.75	50	300	325	60	66.0
	0.9	60	300	275	70	68.0
	1.1	50	(300)	400	60	66.5
	1.3	60	350	450	70	68.5
R30-MD	1.1	50	300	325	91	69.2
	1.3	60	325	300	110	72.2
	1.5	50	350	425	91	69.7
	1.7	60	375	425	110	72.8
R40-MD	2.2	50	350	425	117	70.8
	2.6	60	375	400	137	72.8
	3.0	50	(350)	500	117	71.3
	3.5	60	(375)	500	137	73.3

Table 1. Fluid dynamic performance of the blowers with relative installed powers.

BLOWER CONFIGURATIONS

Model	Execution	Electric Motor			
		IE3 Wide Range cUrus	IE3	Thermal Protection	
				PTO	PTC
R20-MD	MOR	STD	-	STD	Not applicable
	GOR	-	STD	Optional	Optional
R30-MD	MOR	STD	-	STD	Not applicable
	GOR	-	STD	Optional	Optional
R40-MD	MOR	STD	-	STD	Not applicable
	GOR	-	STD	Optional	Optional

Table 2. Blower configurations with reference to the electric motor.

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

ELECTRIC MOTOR SPECIFICATIONS (MOR EXECUTION)

All STD motors have:

- **IP 55 protection rating.** (IP66 option)
- **Class F Insulation** (no option)

Further features, shown below in table 3.

Type of motor	Power supply voltage (Δ / Y) [V]	Frequency [Hz]
IE3 cUrus	230 / 400	50
	265 / 460	60
Wide Range cUrus	200 – 240 / 345 – 415	50
	220 – 280 / 380 – 480	60

Table 3. Electric motor rating.

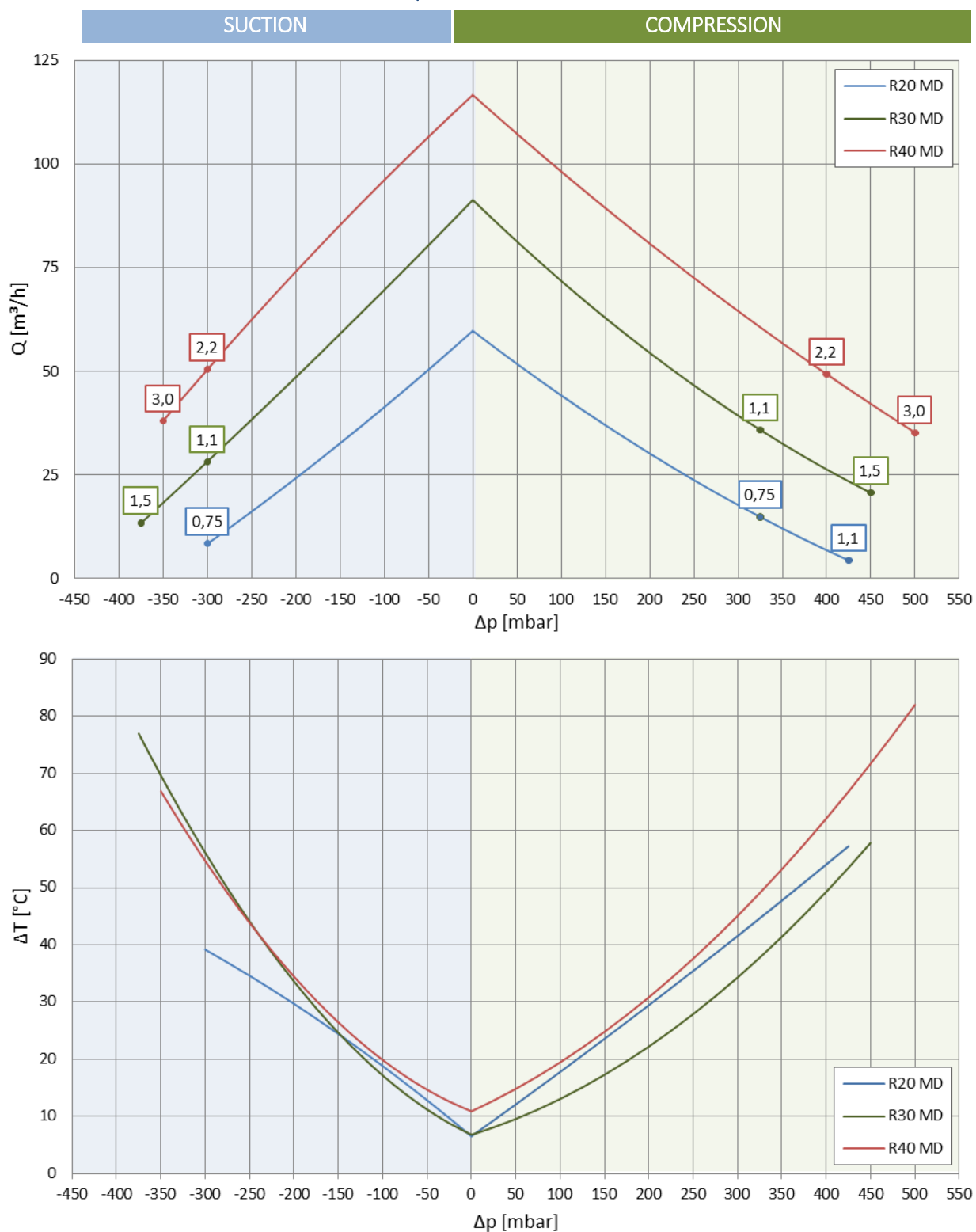
¹ Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.

Motors with class F insulation, suitable for operating "under inverter" * refer to FPZ, with IP 55 protection rating.



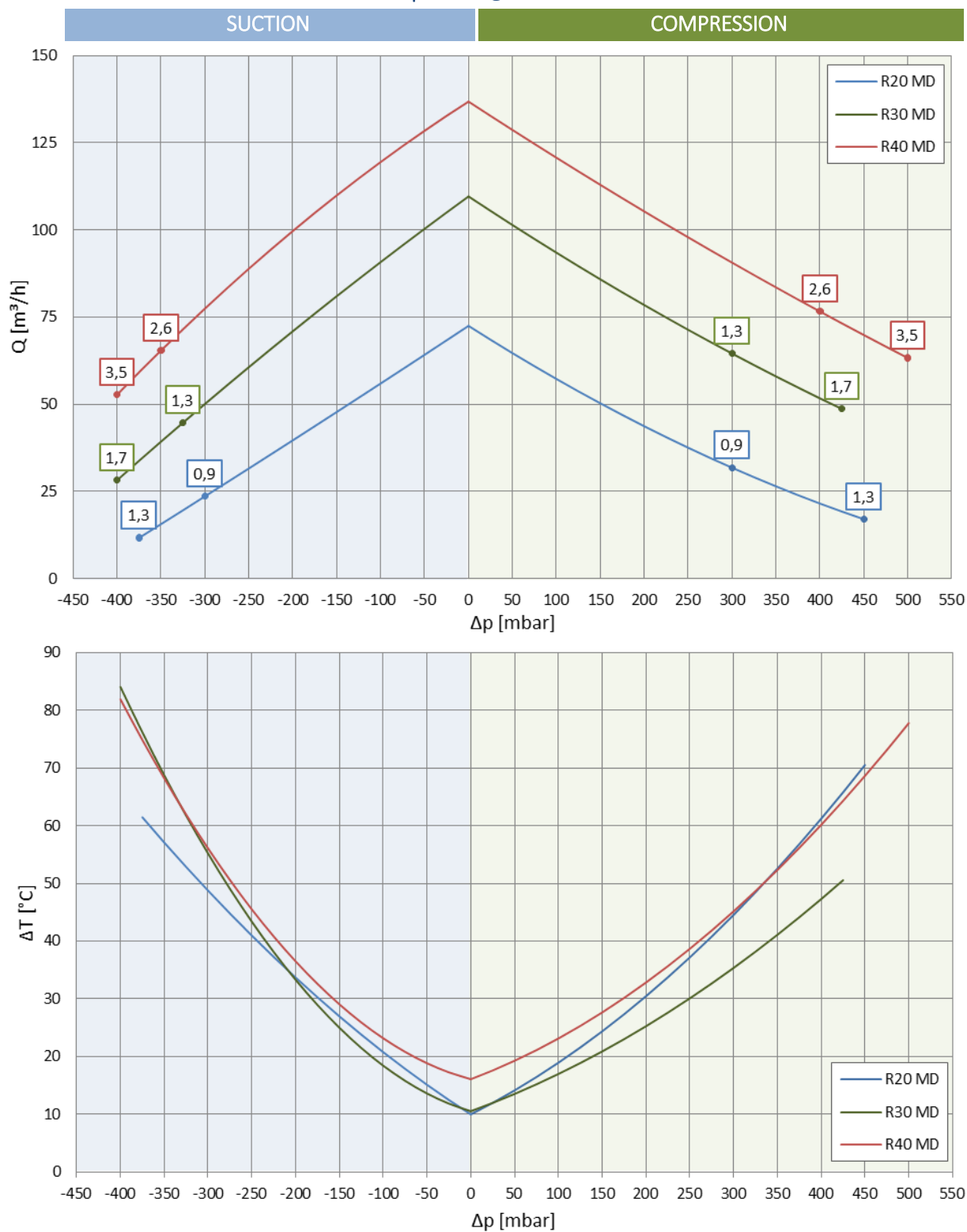
Operation @ 50 Hz



Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs.).
Tolerance on indicated values ± 10%.
Data subject to change without notice.



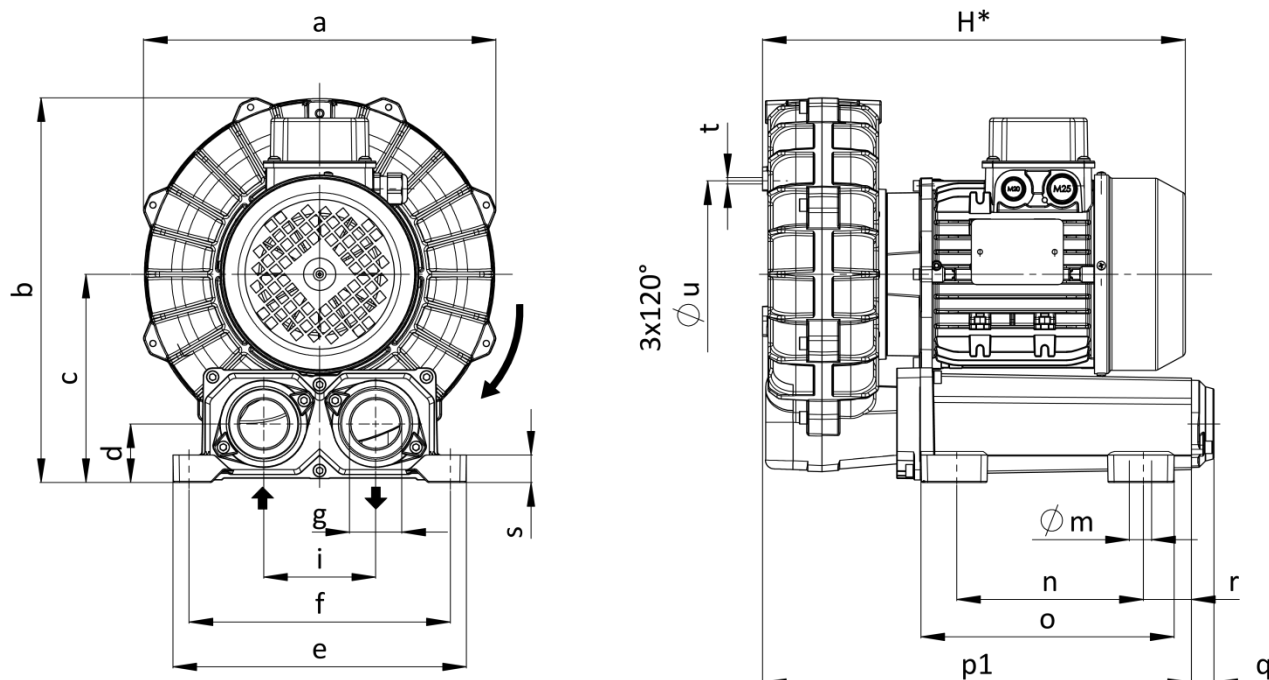
Operation @ 60 Hz



Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs.).
Tolerance on indicated values ± 10%.
Data subject to change without notice.



DIMENSIONS (MOR EXECUTION)



Sizes in mm - NOT BINDING

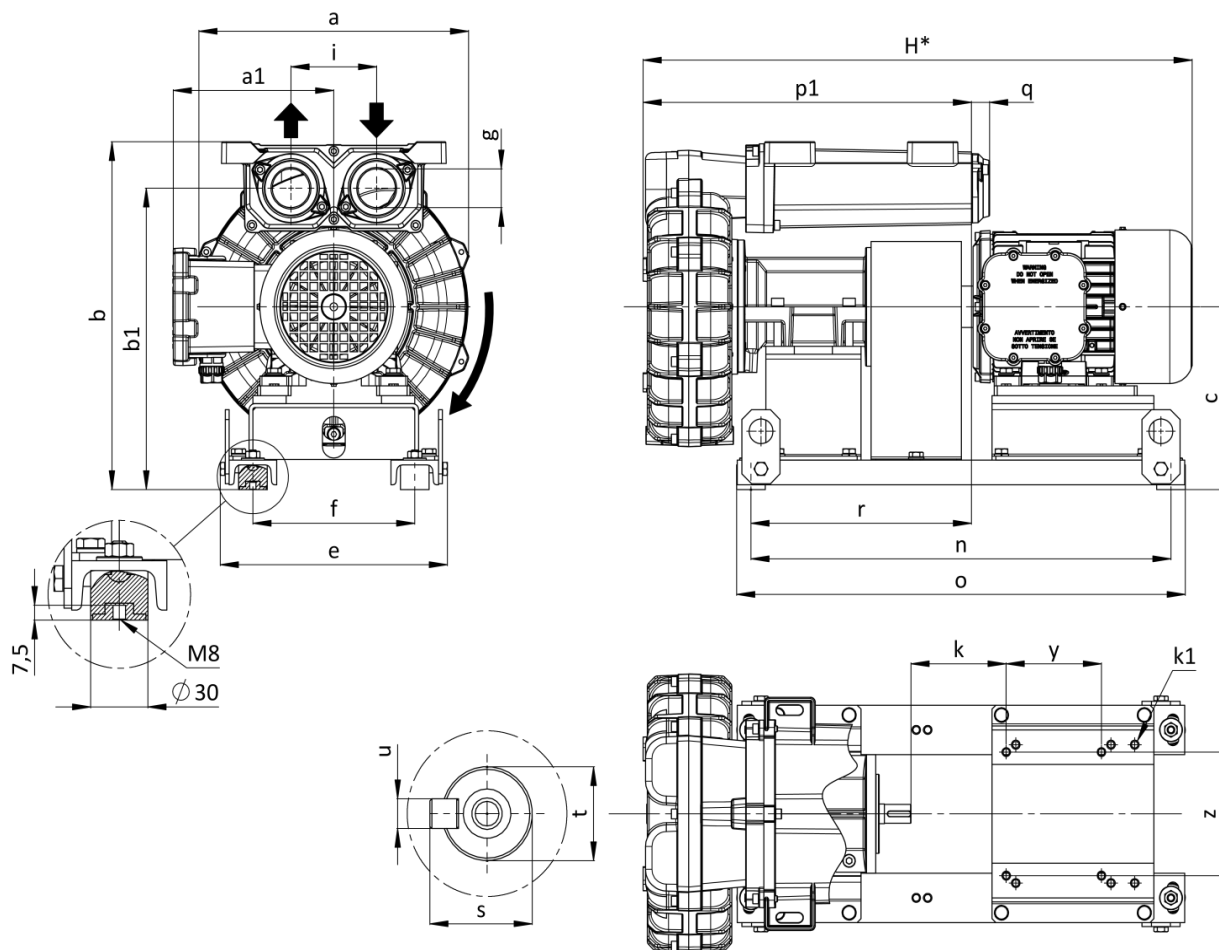
Model	a	b	c	d	e	f	g	H*	i	m	n	o	p1	q	r	s	t	u	Max weight ¹ [kg]
R20-MD	283	309	167	47	235	210	G 1"¼	340	90	10	150	200	345	18	45	22	M6	150	21
R30-MD	319	346	187	47	235	210	G 1"¼	390	90	10	150	200	354	18	45	22	M6	180	25
R40-MD	350	372	197	47	235	210	G 1"¼	440	90	10	150	200	364	18	45	22	M8	225	40

* The value indicated refers to the machine with motor of maximum length.

¹ The value indicated refers to the weight of the machine without electric motor.



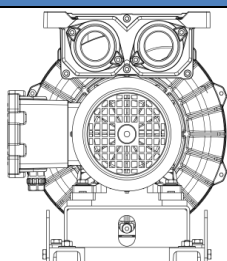
DIMENSIONS (GOR EXECUTION)



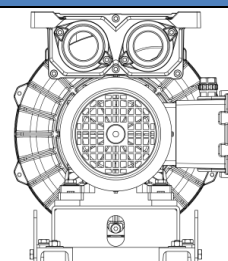
Sizes in mm - NOT BINDING

Model	M.E.	a	a1	b	b1	c	e	f	g	H*	i	k	k1	n	o	p1	q	r	s	t	u	y	z	Max weight ¹ [kg]
R20-MD	GR. 80 B3	283	169	352	305	185	239	170	G 1"¼	577	90	100	M8	445	475	345	18	234	21.5	19	6	100	125	23
R30-MD	GR. 80 B3	319	169	372	325	185	239	170	G 1"¼	583	90	100	M8	445	475	354	18	237	21.5	19	6	100	125	26
	GR. 90S B3		174							606		110											140	
R40-MD	GR. 90L B3	350	174	402	355	205	259	190	G 1"¼	711	90	111	M8	560	590	364	18	233	31	28	8	125	140	34
	GR. 100 B3		185							742		128										140	160	

POSITION OF TERMINAL BOX



Standard version



Available on request

* The value indicated refers to the machine with motor of maximum length.

¹ The value indicated refers to the weight of the machine without electric motor.