

Nominal data

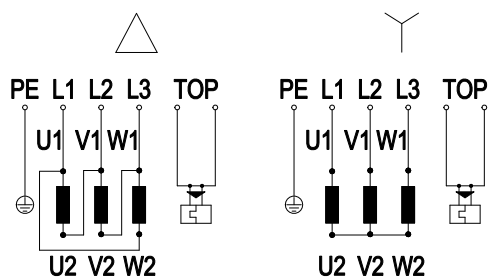
Type	R4D630-AQ13-05		
Motor	M4D138-LA		
Phase		3~	3~
Nominal voltage	VAC	400	400
Connection		Δ	Y
Frequency	Hz	50	50
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	min ⁻¹	1285	880
Power input	W	4100	2330
Current draw	A	7.4	4.23
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	60	60

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

Technical features

Leakage current	<= 3.5 mA
Size	630 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F3-1
Insulation class	"F"
Cable exit	Lateral
Condensate discharge holes	Rotor-side
Cooling bore / aperture	Rotor-side
Motor bearing	Ball bearing
Mass	30.7 kg
Material of impeller	Aluminium sheet
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 61800-5-1
Surface of rotor	Cast in aluminium
Number of blades	6
Type of protection	IP 20
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	VDE

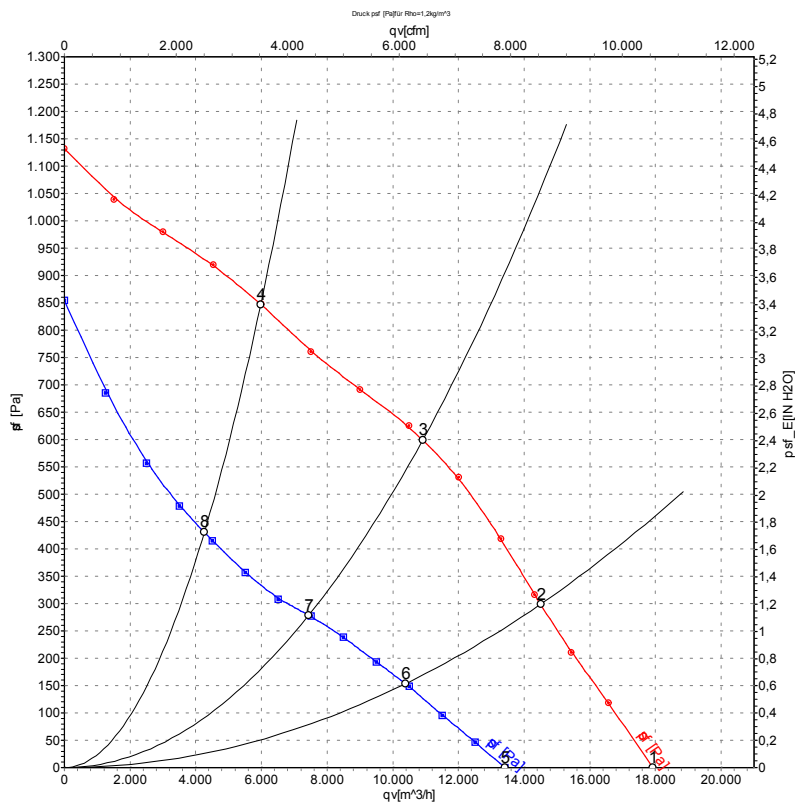
Connection screen



Note: Direction of rotation changes when two phases are reversed

Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow	TOP	2xgrey
PE	green/yellow				

Charts: Air flow 50 Hz



Measurement: LU-104461
Measurement: LU-102590

Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: L_{wA} measured as per ISO 13347 /
L_{pA} measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	Conn.	U	f	n	P _e	I	L _{pA_{in}}	L _{wA_{in}}	L _{wA_{out}}	q _v	p _{sf}
		V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	dB(A)	m³/h	Pa
1	Δ	400	50	1350	3281	5.88	80	88	94	17920	0
2	Δ	400	50	1315	3687	6.47	77	84	90	14500	300
3	Δ	400	50	1285	4100	7.40	75	82	89	10910	600
4	Δ	400	50	1330	3540	6.27	76	84	90	5980	850
5	Y	400	50	1015	2181	3.95	73	80	86	13410	0
6	Y	400	50	935	2295	4.18	68	76	82	10380	154
7	Y	400	50	875	2336	4.26	65	74	80	7440	279
8	Y	400	50	945	2194	3.95	68	76	82	4265	430