

AC centrifugal fan

backward curved, single inlet

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Nominal data

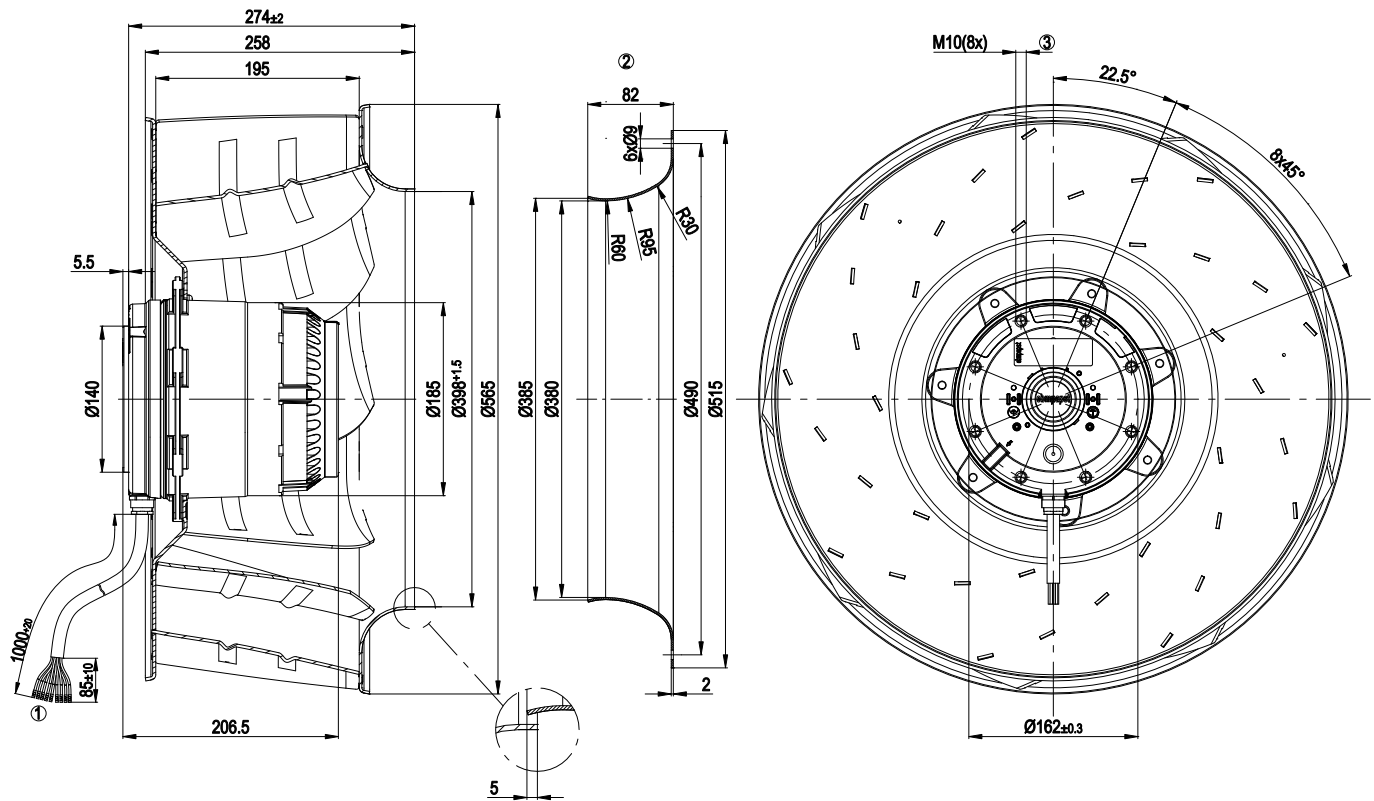
Type	R4D560-AQ01-05		
Motor	M4D138-LA		
Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		D	Y
Frequency	[Hz]	50	50
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1350	1070
Power input	[W]	2410	1640
Current draw	[A]	4.7	2.84
Min. back pressure	[Pa]	0	0
Max. ambient 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	560 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
Bearing motor	Ball bearing
Mass	27 kg
Material of impeller	Aluminium sheet
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 61800-5-1; EN 60034
Surface of rotor	Cast in aluminium
Number of blades	9
Type of protection	IP 54; Position-dependent
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	VDE

Product drawing

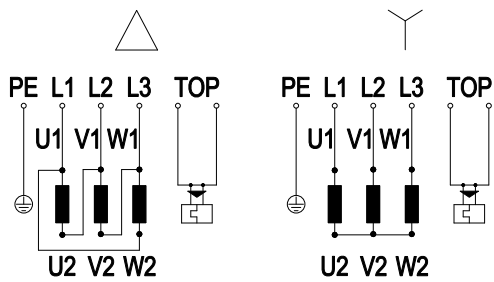


- | | |
|---|--|
| 1 | Connection line silicone- and halogen-free 9 x 0.75 mm ² , 9x brass lead tips crimped |
| 2 | Accessory part: Inlet nozzle 63071-2-4013, not included in the standard scope of delivery. Other inlet nozzles on request. |
| 3 | Depth of screw max. 18 mm |

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Connection screen



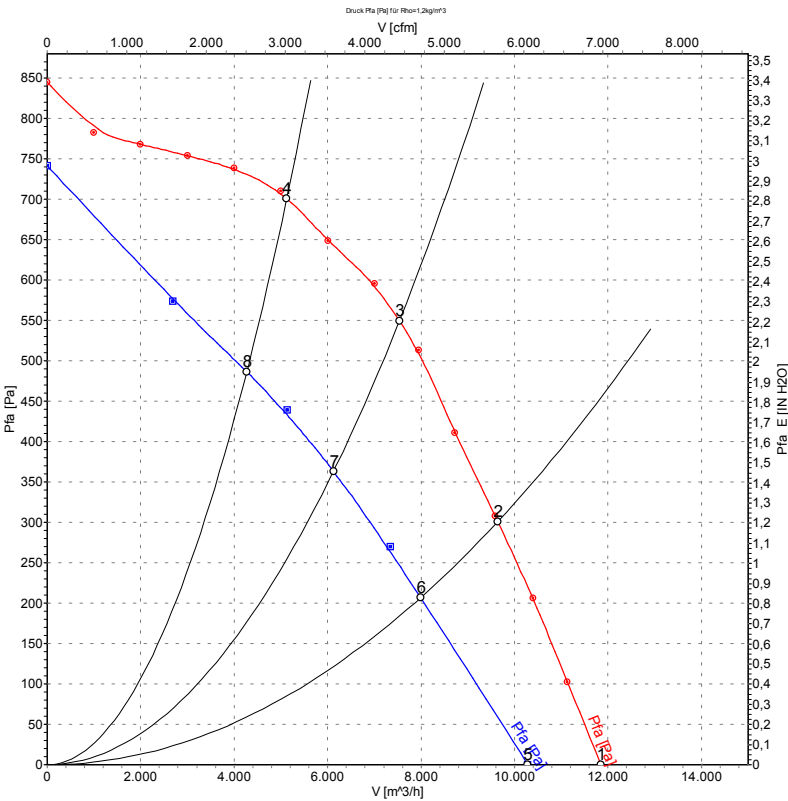
Note: Direction of rotation changes when two phases are reversed

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				

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Charts: Air flow 50 Hz



Measurement: LU-102189
Measurement: LU-123360

Measured values

	Conn.	U	f	n	P ₁	I	LpA _{ss}	LpA _{ds}	LwA _{ss}	$\dot{V}$	p _{fa}
		[V]	[Hz]	[min ⁻¹]	[W]	[A]	[dB(A)]	[dB(A)]	[dB(A)]	[m³/h]	[Pa]
1	Δ	400	50	1400	1796	3.74	78	78	86	11850	0
2	Δ	400	50	1365	2233	4.27	75	75	82	9640	300
3	Δ	400	50	1350	2410	4.70	72	72	80	7535	550
4	Δ	400	50	1360	2230	4.26	73	73	80	5125	700
5	Y	400	50	1195	1334	2.27	74	74	81	10280	0
6	Y	400	50	1120	1531	2.62	69	69	77	7990	210
7	Y	400	50	1095	1595	2.74	67	67	75	6125	363
8	Y	400	50	1130	1519	2.61	68	68	76	4270	487