

AC centrifugal fans

backward curved, 3-D, Ø 560



- **Material:** Impeller: Sheet aluminium, welded
Rotor: Cast in aluminium
- **Number of blades:** 9
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator sides
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

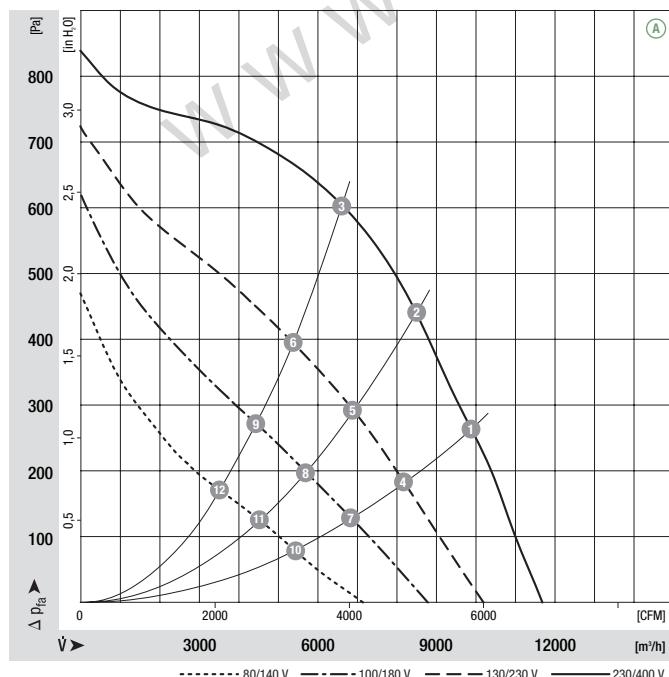
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm ⁽¹⁾ rpm	Max. power input ⁽¹⁾ kW	Max. current draw ⁽¹⁾ A	Capacitor µF/VDB	Perm. amb. temp. °C	Electr. connection p. 596 f.
R4D 560⁽²⁾	M4D 138-LA	Ⓐ	3~ 230/400	50	1365	2.38	8.66/5.00	—	-40 to +60	D1)/D2)

subject to alterations

(1) Nominal data in operating point with maximum load

(2) 230 VAC Δ / 400 VAC Y

Curves



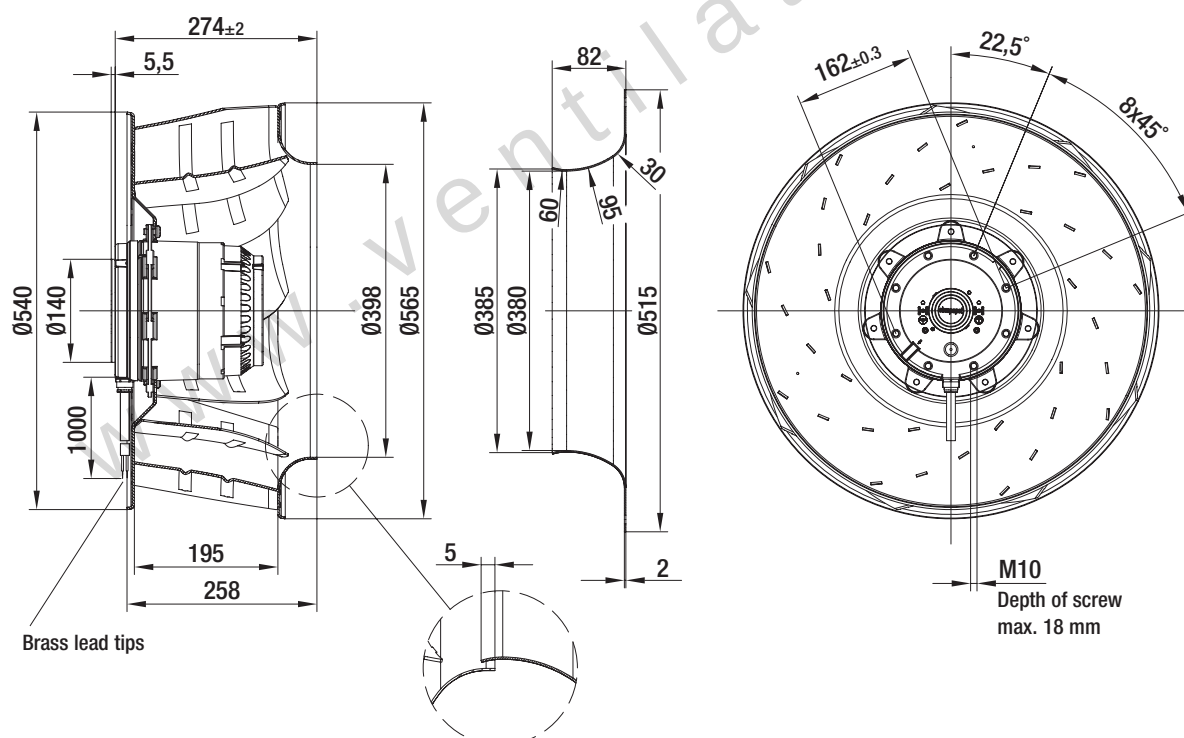
	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
Ⓐ 1	1380	2.14	8.33/4.81	84
Ⓐ 2	1370	2.33	8.66/5.00	82
Ⓐ 3	1365	2.34	8.66/5.00	81
Ⓐ 4	1140	1.53	8.31/4.80	77
Ⓐ 5	1110	1.62	8.75/5.05	76
Ⓐ 6	1105	1.62	8.73/5.04	75
Ⓐ 7	955	1.13	8.11/4.68	74
Ⓐ 8	920	1.17	8.42/4.86	73
Ⓐ 9	915	1.17	8.38/4.84	71
Ⓐ 10	765	0.77	7.31/4.22	70
Ⓐ 11	735	0.78	7.45/4.30	67
Ⓐ 12	730	0.78	7.47/4.31	65

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Lateral
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)
R4D 560-AQ03 -01	28.0	63071-2-4013



AC centrifugal fans

backward curved, 3-D, Ø 560



- **Material:** Impeller: Sheet aluminium, welded
Rotor: Cast in aluminium
- **Number of blades:** 9
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator sides
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

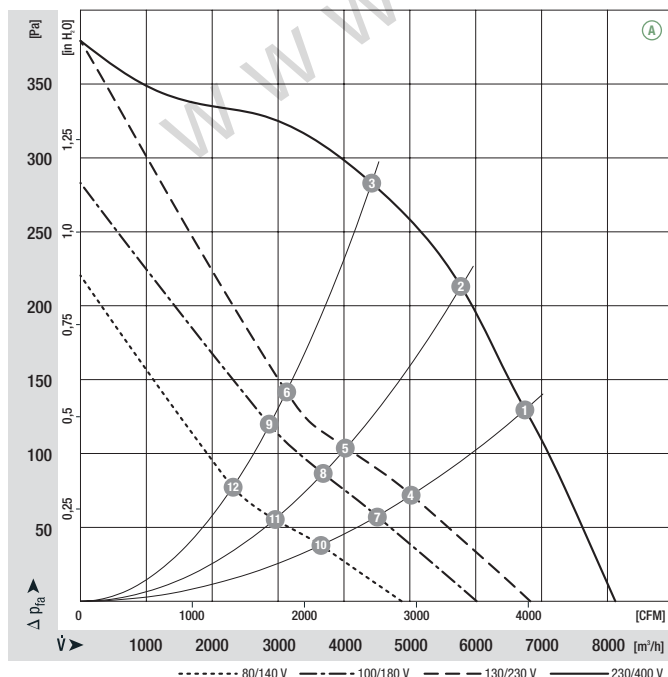
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm ⁽¹⁾ rpm	Max. power input ⁽¹⁾ kW	Max. current draw ⁽¹⁾ A	Capacitor µF/VDB	Perm. amb. temp. °C	Electr. connection p. 596 f.
R6D 560⁽²⁾	M6D 110-IA	Ⓐ	3~ 230/400	50	885	0.78	2.95/1.70	—	-40 to +55	D1)/D2)

subject to alterations

(1) Nominal data in operating point with maximum load

(2) 230 VAC Δ / 400 VAC Y

Curves



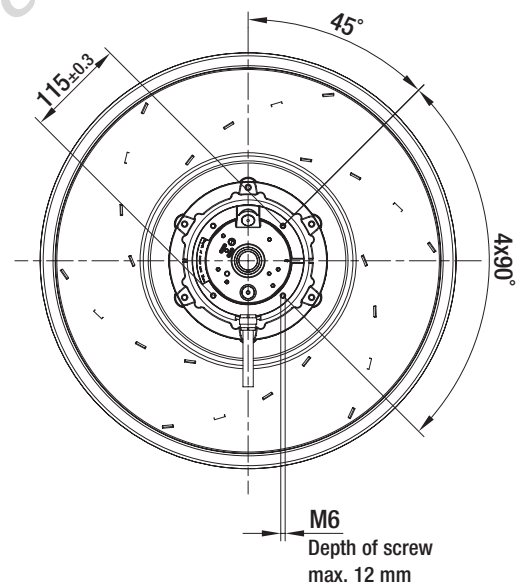
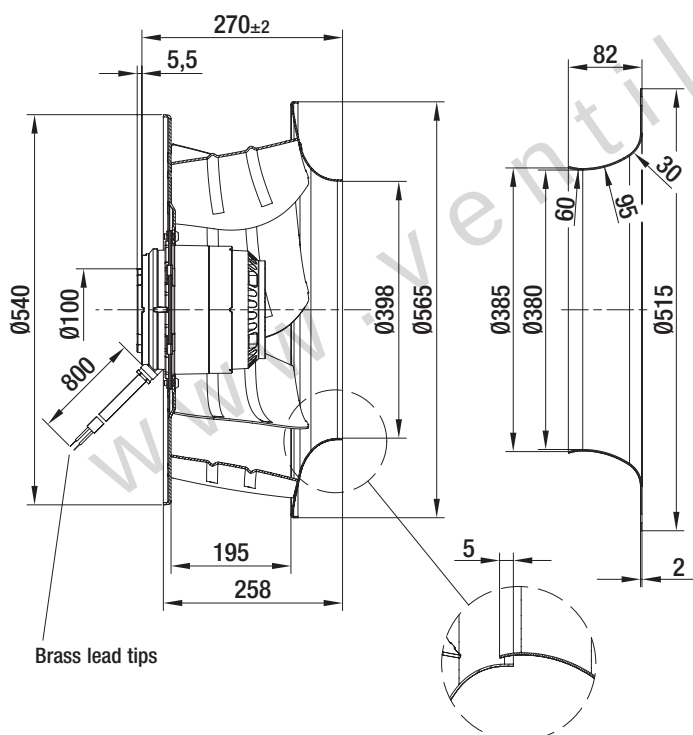
	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
Ⓐ 1	905	0.68	2.71/1.56	71
Ⓐ 2	890	0.76	2.87/1.65	69
Ⓐ 3	890	0.76	2.85/1.64	69
Ⓐ 4	665	0.48	2.85/1.64	68
Ⓐ 5	610	0.49	2.89/1.67	58
Ⓐ 6	605	0.49	2.88/1.66	59
Ⓐ 7	595	0.32	2.31/1.34	65
Ⓐ 8	560	0.33	2.40/1.39	58
Ⓐ 9	565	0.33	2.39/1.38	57
Ⓐ 10	480	0.21	1.99/1.15	54
Ⓐ 11	450	0.21	2.03/1.17	50
Ⓐ 12	450	0.18	2.03/1.17	50

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Diagonal
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)
R6D 560-AH05 -01	15.0	63071-2-4013



Mounting dimensions

