

AC centrifugal fan

single inlet, Ø 355



- **Material:** Impeller: Galvanised sheet steel
Rotor: Cast in aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 20 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

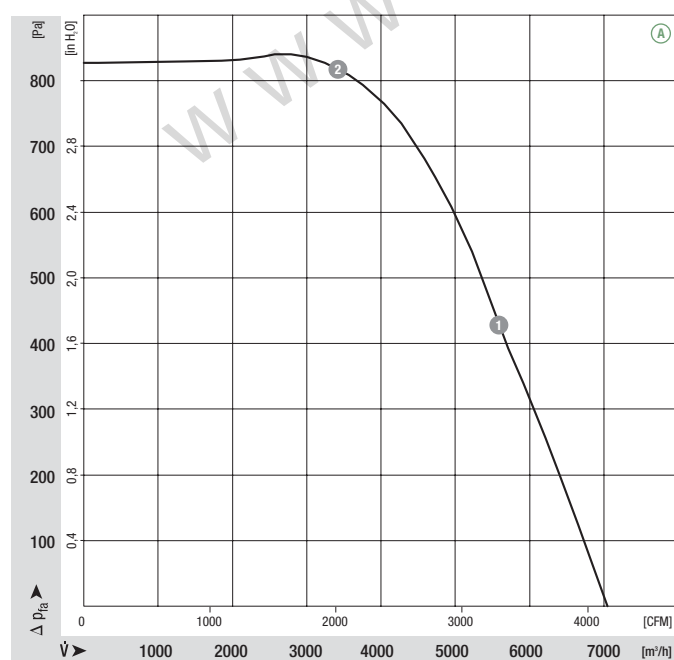
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm ⁽¹⁾ rpm	Max. power input ⁽¹⁾ kW	Max. current draw ⁽¹⁾ A	Capacitor µF/VDB	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection p. 596 f.
R4D 355 ⁽²⁾	M4D 138-LA	Ⓐ	3~ 230/400	50	1300	4.36 13.75/7.95	—	—	0	-25 to +70	D1)/D2)

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]	Lp _A [dB(A)]
Ⓐ 1	1370	3.20	10.58/6.11	86
Ⓐ 2	1430	1.89	7.52/4.34	80

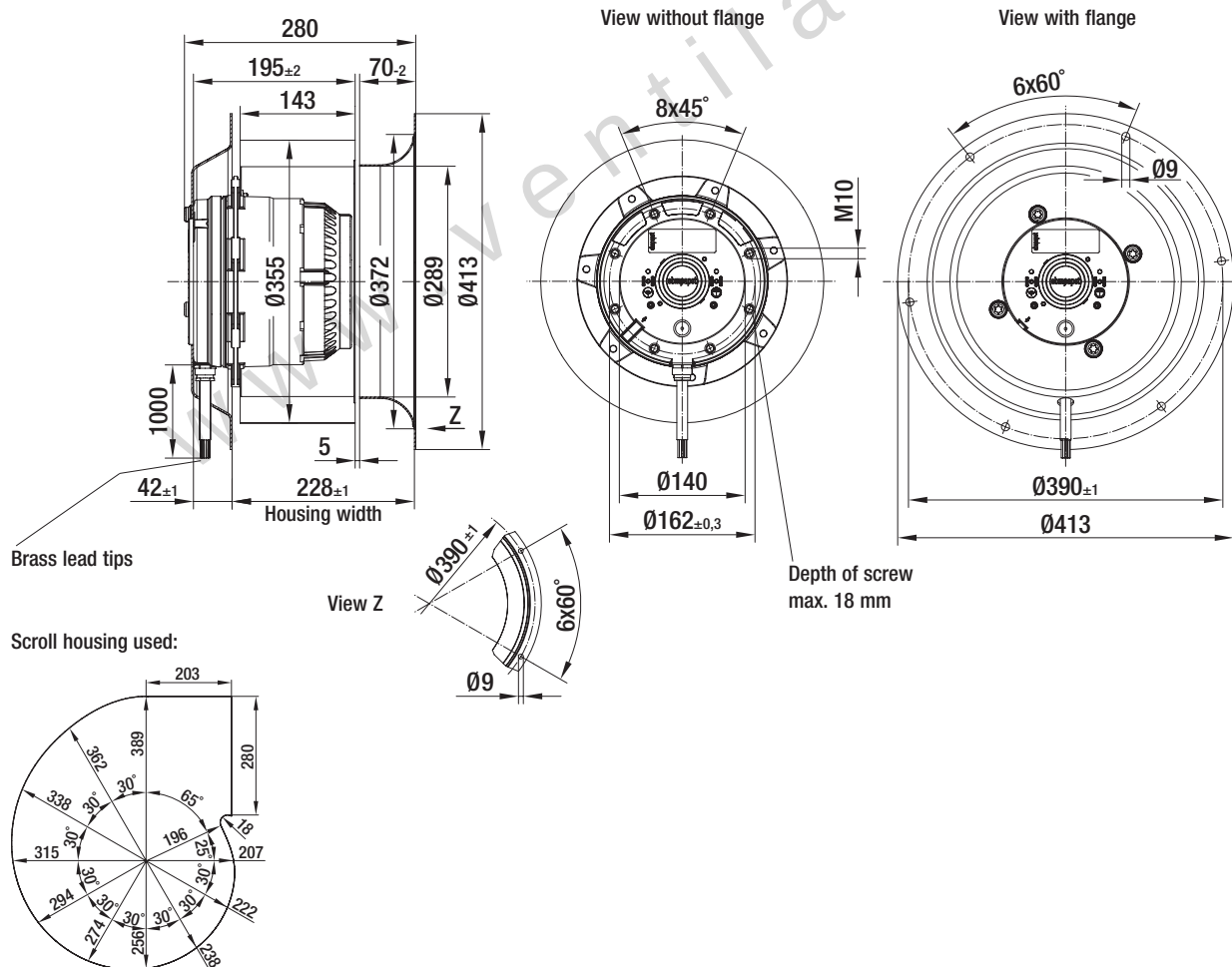
- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Lateral
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)



Mass of centrifugal fan

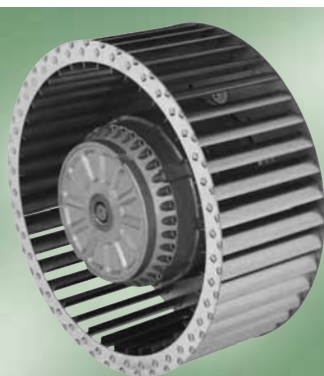


Centrifugal fan	kg	Inlet nozzle	Flange
R4D 355-CM03-01	28.0	35510-2-4013	38355-2-4017



AC centrifugal fans

single inlet, Ø 355



- **Material:** Impeller: Galvanised sheet steel
Rotor: Cast in aluminium
- **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

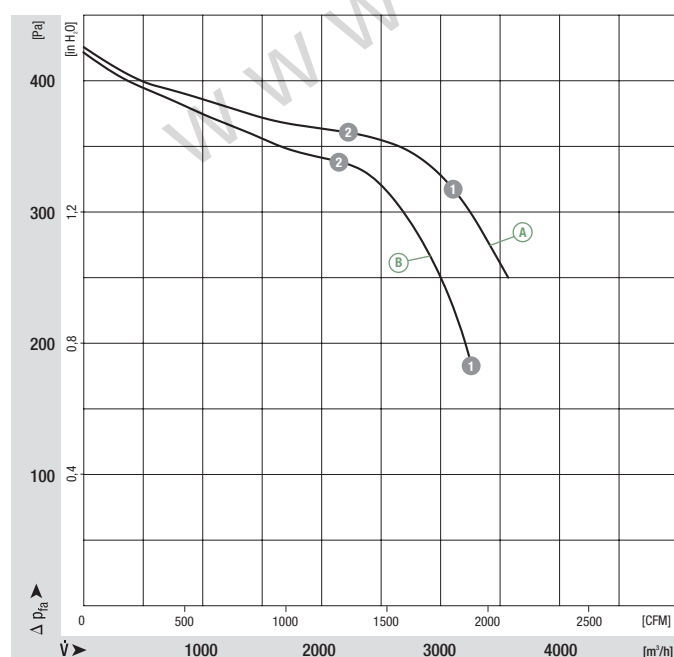
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 596 f.
R6D 355 ⁽²⁾	M6D 110-IA	Ⓐ	3~ 230/400	50	865	0.90	3.05/1.77	—	250	-25 to +50	D1)/D2)
R6E 355	M6E 110-IA	Ⓑ	1~ 230	50	830	0.83	3.90	16.0/400	175	-25 to +55	A2a)

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]	Lp _A [dB(A)]
Ⓐ 1	890	0.78	2.82/1.63	70
Ⓐ 2	920	0.59	2.44/1.41	68
Ⓑ 1	830	0.83	3.90	70
Ⓑ 2	890	0.61	2.90	67

- **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	Flange
R6D 355-CI05 -01	15.5	35510-2-4013	10355-2-4017
R6E 355-CI01 -01	15.5	35510-2-4013	10355-2-4017

