

AC centrifugal fans

backward curved, 3-D, Ø 630



- **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 (in accordance with EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

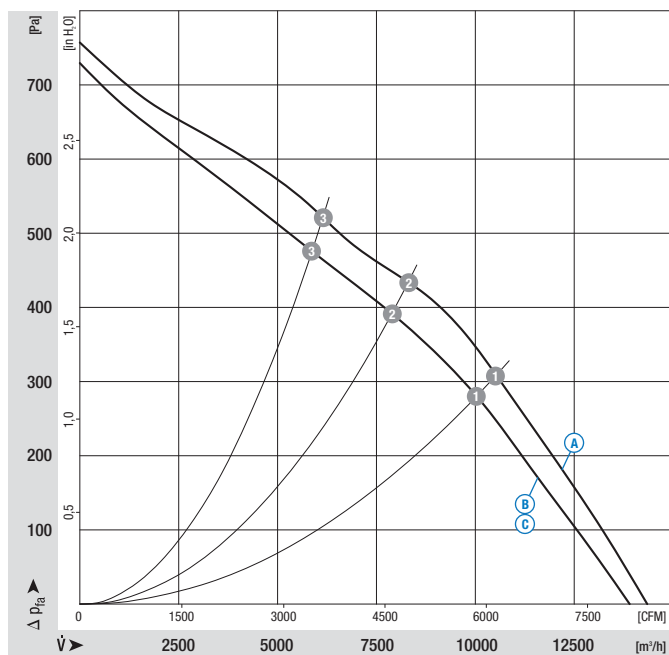
Type	Motor	Curve	Nominal voltage	Frequency	Speed ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Perm. amp. temp.	Electr. connection
			VAC	Hz	rpm	kW	A	µF/VDB	°C	p. 127
R6D 630 ⁽²⁾	M6D 138-NA	A	3~ 480 Y	60	1065	2.21	3.58	—	-40 to +50	D1)/D2)
		B	3~ 400 Y	60	1000	2.00	3.72	—	-40 to +50	
		C	3~ 230 Δ	60	1000	2.00	6.44	—	-40 to +50	

subject to alterations

⁽¹⁾ Nominal data in operating point with maximum load

⁽²⁾ 230 VAC Δ / 400 VAC Y / 480 VAC Y

Curves



	n	P ₁	I	L _{wa}
	[rpm]	[kW]	[A]	[dB(A)]
A 1	1070	2.13	3.48	78
A 2	1065	2.21	3.58	77
A 3	1080	2.05	3.35	78
B 1	1010	1.94	3.61	76
B 2	1000	2.00	3.72	75
B 3	1020	1.85	3.44	76
C 1	1010	1.94	6.25	76
C 2	1000	2.00	6.44	75
C 3	1020	1.85	5.95	76

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



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)
R6D 630-AW03-01	30.0	63070-2-4013

