

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 (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

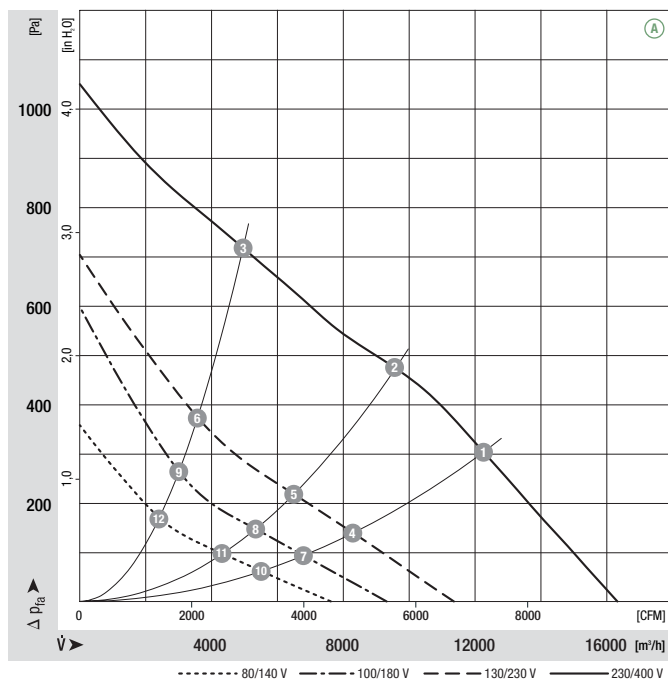
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Perm. amb. temp.	Electr. connection
Type	Motor	VAC	Hz	rpm	kW	A	µF/VDB	°C	p. 596 f.	
R4D 630⁽²⁾	M4D 138-NA	Ⓐ 3~ 230/400	50	1170	3.31	10.74/6.20	—	-40 to +35	D1)/D2)	

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	1170	3.11	10.09/5.83	81
Ⓐ 2	1145	3.21	10.30/5.95	79
Ⓐ 3	1200	2.84	9.18/5.30	83
Ⓐ 4	785	1.42	8.06/4.65	70
Ⓐ 5	760	1.42	8.09/4.67	68
Ⓐ 6	830	1.35	7.65/4.41	72
Ⓐ 7	640	0.93	6.77/3.91	65
Ⓐ 8	625	0.93	6.78/3.92	63
Ⓐ 9	685	0.89	6.52/3.76	66
Ⓐ 10	520	0.59	5.57/3.22	59
Ⓐ 11	510	0.59	5.56/3.21	58
Ⓐ 12	550	0.57	5.40/3.12	60

- **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 630-AW01-01	31.0	63070-2-4013

