



R3G500 Series Motorized Impeller

Ø 500mm Backward Curved, 3-D, EC-i

- **Material:** stator and electronics housing made of die-cast aluminum, rotor made of steel sheet (black, KTL-costed), impeller made of sheet aluminum
- **Technical features:** integrated electronics, under voltage detection, phase failure recognition, limitation of motor current, over-temperature protection of electronics and motor, locked rotor protection, short-circuit protection
- **Bearings:** maintenance-free ball bearings
- **Balancing quality:** ≤ Q 6.3 according to DIN ISO 1940-1
- **Type of protection:** IP54 according to DIN VDE 0470, part 1 (EN 60 529) category 2
- **Approvals:** UL, CSA, VDE and CE applications pending.
- **Mounting position / condensate discharges:** Norm is shaft horizontal or rotor down with 4 condensate discharges drilled into rotor. Mounting position rotor on top on request.
- **Recommended inlet ring:** 63072-2-4013

Part Number	Curve	CFM @ 0	VAC	Hertz	Power (kW)	dBA	Max. Amb. Temp. C	Speed (RPM)	Wgt. (lbs)
R3G500-AG06-03	1	6356.7	380-480	50/60	1.85	79	60	1700	48.51

Note: Infinite speed control is possible; selective data shown. All data subject to change without notice. See page 204 for detailed dimensions.

	n [RPM]	P ₁ [kW]	η _{IL} [%]	Lp _A [dBA]		n [RPM]	P ₁ [kW]	η _{IL} [%]	Lp _A [dBA]
1	1700	1.85	—	82	1	1100	0.57	—	69
1	1700	2.50	57	79	1	1100	0.70	56	67
1	1700	2.65	65	78	1	1100	0.75	63	66
1	1700	2.40	58	77	1	1100	0.70	56	65
1	1500	1.30	—	78					
1	1500	1.70	60	75					
1	1500	1.75	65	74					
1	1500	1.65	61	74					

Curve

