



R3G560 Series Motorized Impeller

Ø 560mm Backward Curved, 3-D EC-Systems™

- **Material:** stator and electronics housing made of die-cast aluminum, rotor made of steel sheet (black, KTL-costed), impeller made of sheet aluminum (laser welded)
- **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:** 63071-2-4013

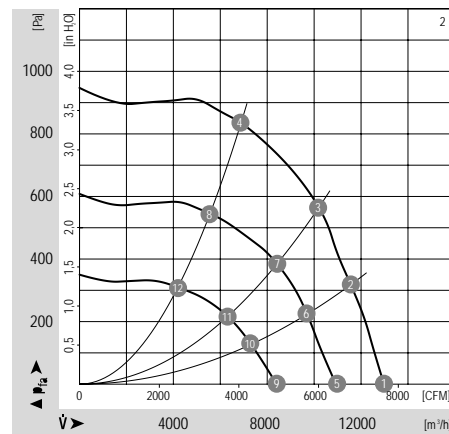
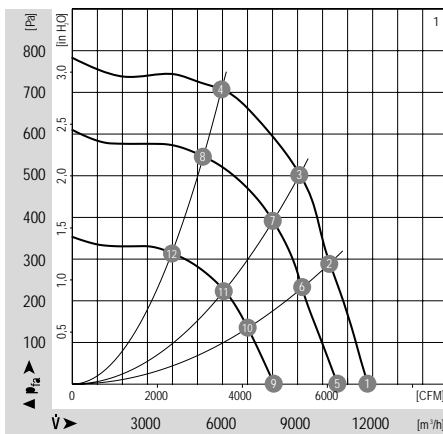
Part Number	Curve	CFM @ 0	VAC	Hertz	Power (kW)	dBA	Max. Amb. Temp. C	Speed (RPM)	Wgt. (lbs)
R3G560-AG07-03	1	7004.1	380-480	50/60	1.33	78	60	1350	50.72
R3G560-AH02-03	2	7592.7	380-480	50/60	1.90	81	60	1510	57.33

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

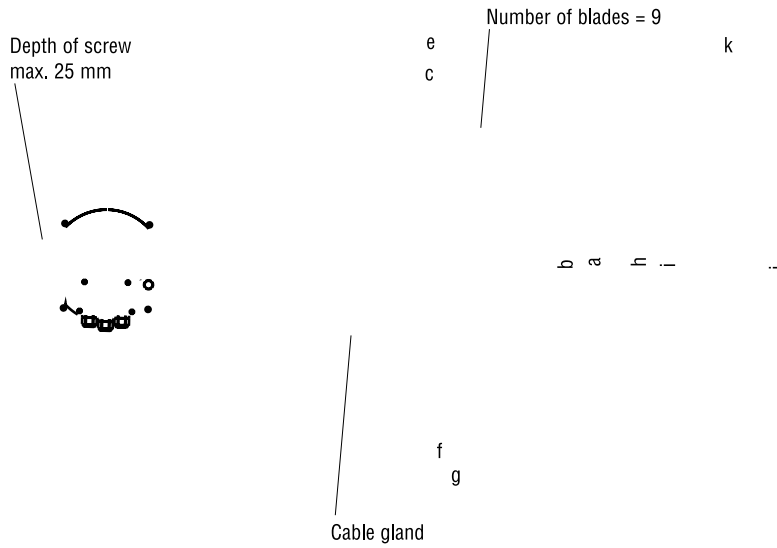
	n [RPM]	P ₁ [kW]	η _{IL} [%]	Lp _A [dBA]	n [RPM]	P ₁ [kW]	η _{IL} [%]	Lp _A [dBA]	n [RPM]	P ₁ [kW]	η _{IL} [%]	Lp _A [dBA]	n [RPM]	P ₁ [kW]	η _{IL} [%]	Lp _A [dBA]	
1 ①	1350	1,33	—	78	910	0,45	—	67	2 ①	1510	1,90	—	81	910	0,45	—	67
1 ②	1350	1,90	60	77	910	0,60	60	65	2 ②	1510	2,47	52	80	910	0,60	60	65
1 ③	1350	2,15	68	74	910	0,70	65	64	2 ③	1510	3,05	67	77	910	0,70	65	64
1 ④	1350	2,10	63	74	910	0,65	63	64	2 ④	1510	2,85	64	76	910	0,65	63	64
1 ⑤	1200	0,90	—	75					2 ⑤	1200	0,90	—	75				
1 ⑥	1200	1,30	60	73					2 ⑥	1200	1,30	60	73				
1 ⑦	1200	1,55	68	71					2 ⑦	1200	1,55	68	71				
1 ⑧	1200	1,43	62	71					2 ⑧	1200	1,43	62	71				

Curve

Curve



R3G500/560/630 Backward Curved EC-Systems™



Part Number	a		b		c		d		e		f		g		h		i		j		k	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
R3G500-AG06-03	19.89	505	13.98	355	9.8	249±2	8.62		12.56	319±3	6.89		9.17		13.62		13.27		18.5		2.95	
R3G560-AG07-03 R3G560-AH02-03	22.24	565	15.67	398	10.79	274±2	8.62 9.82	219.5 249.5	13.54	344±3	7.68	195	10.16	258	15.31	389	14.96	380	20.28	515	3.23	82
R3G630-AA08-03 R3G630-AB06-03	25	635	17.6	447	12.05	306±2	8.62 9.82	219.5 249.5	14.8	376±3	8.66	220	11.42	290	17.2	437	16.81	427	24.96	634	3.88	98.5