

EC axial fans

S-Range, Ø 500



- **Material:** stator and electronics housing made of die-cast aluminium, rotor with injection-blow moulded blades made of PA 6 plastic (fibre-glass reinforced)
- **Technical features:** control input 0-10 VDC / PWM, RS485 eBUS, alarm relay, integrated PID control, voltage supply for sensor, input for sensor 0-10 V respectively 4-20 mA, 0-10 V output for slave, PFC (passive), soft start, line undervoltage detection, phase failure detection, motor current limitation, over-temperature protected electronics and motor, locked-rotor protection
- **Direction of rotation:** counter-clockwise
- **Type of protection:** IP 44
- **Insulation class:** "F"
- **Approvals:** UL, CSA, VDE, CE, CCC and GOST are applied for

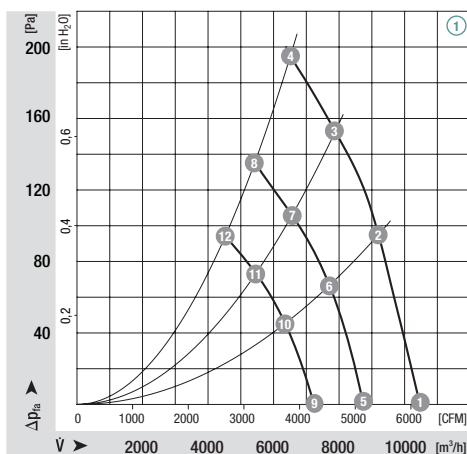
ebm-papst • Muldingen

Nominal data ⁽¹⁾		Characteristic	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽²⁾	Max. current draw ⁽²⁾	Max. back pressure	Perm. amb. temp.	Mass A3G...	Mass S3G...	Mass W3G...
Type	Motor	VAC	Hz	min ⁻¹	kW	A	Pa	°C	kg	kg	kg	
*3G 500	M3G112-GA	① 380-480	50/60	1430	1,00	2,2	200	-25...+60	8,7	11,2	16,2	




subject to alterations ⁽¹⁾ at 400 VAC ⁽²⁾ in operating point with maximum load

	n	P ₁	I	Lp _A	η _{HL}		n	P ₁	I	Lp _A	η _{HL}
	[min ⁻¹]	[kW]	[A]	[dBA]	[%]		[min ⁻¹]	[kW]	[A]	[dBA]	[%]
① ①	1430	0,91	---	74	---	① ⑨	1000	0,31	---	64	---
① ②	1430	0,99	---	74	75	① ⑩	1000	0,35	---	65	75
① ③	1430	1,00	---	76	68	① ⑪	1000	0,36	---	65	68
① ④	1430	1,00	---	76	58	① ⑫	1000	0,36	---	65	58
① ⑤	1200	0,54	---	69	---						
① ⑥	1200	0,58	---	70	75						
① ⑦	1200	0,62	---	71	68						
① ⑧	1200	0,62	---	71	58						

Characteristics



- **Mounting position / condensate discharges:** shaft horizontal or rotor at the bottom with condensate discharge(s) in the rotor, mounting position rotor on top on request

Selection	Cable exit	Direction of air flow			
Type	S/A/B				
*3G 500	S	"V"	A3G500-AE33 -01	S3G500-BE33 -01	W3G500-CE33 -01

