

EC axial fans - HyBlade®

Ø 630

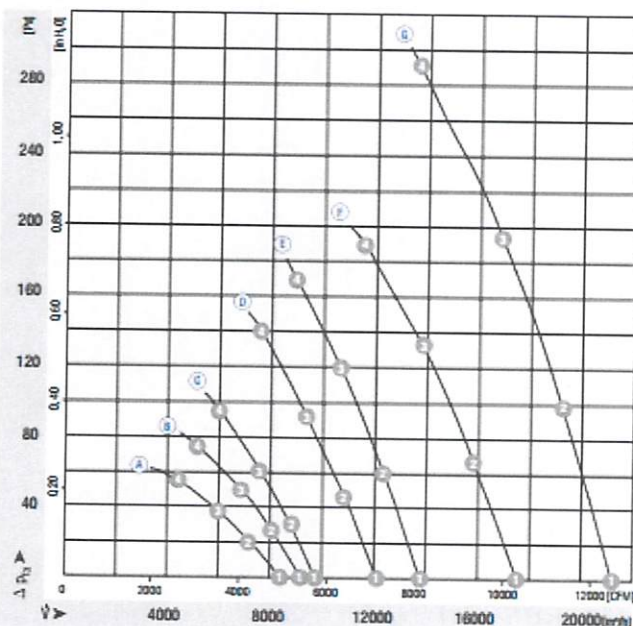


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades (5): (A) (B) (C) (D) (E) Pressed-on round sheet steel plate; (F) (G) Insertion part made of sheet aluminium; Both versions extrusion-coated in PP plastics
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium, (C) (D) (E) (F) (G) coated in black additionally
- **Direction of rotation:** (A) (B) (C) (D) (E) counter-clockwise, (F) (G) clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** (A) (B) (C) (D) (E) "B" ("F" applying to the main components as per EN), (F) (G) "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Blade angle	Curve	Nominal voltage range	Frequency	Speed/rpm(1)	Max. power input(1)	Max. current draw(1)	Max. operative range	Perm. amb. temp.	Mass without attachments	Technical features and electric connections
Type	Motor			VAC	Hz	rpm	kW	A	Pa	°C	kg	
*3G 630	M3G 084-FA	0°	(A)	1- 200-277	50/60	690	0,18	1,20	55	-25..+60	5,5	p. 36 / K1)
*3G 630	M3G 084-GF	0°	(B)	1- 200-277	50/60	800	0,28	1,70	75	-25..+60	6,3	p. 36 / K1)
*3G 630	M3G 112-EA	-5°	(C)	1- 200-277	50/60	820	0,40	1,80	95	-25..+60	7,3	p. 36 / K1)
*3G 630	M3G 112-GA	-5°	(D)	1- 200-277	50/60	1000	0,72	3,20	140	-25..+60	9,3	p. 37 / L3)
*3G 630	M3G 112-IA	-5°	(E)	3- 380-480	50/60	1140	0,99	1,60	170	-25..+60	11,3	p. 39 / K3)
*3G 630	M3G 150-FF	0°	(F)	3- 380-480	50/60	1230	1,85	2,85	190	-25..+70	20,4	p. 38 / L5)
*3G 630	M3G 150-IF	0°	(G)	3- 380-480	50/60	1510	3,20	4,90	290	-25..+65	24,4	p. 38 / L5)

subject to alterations (1) Nominal data in operating point with maximum load and 230 VAC or 400 VAC

Curves



	n [rpm]	P _{st} [kW]	I [A]	L _{wA} [dB(A)]
(A) (1)	750	0,14	0,90	61
(A) (2)	725	0,16	1,01	60
(A) (3)	710	0,17	1,09	60
(A) (4)	690	0,18	1,20	64
(B) (1)	800	0,18	0,82	65
(B) (2)	800	0,23	1,02	63
(B) (3)	800	0,27	1,17	63
(B) (4)	800	0,28	1,70	68
(C) (1)	820	0,25	1,09	66
(C) (2)	820	0,30	1,31	63
(C) (3)	820	0,35	1,52	64
(C) (4)	820	0,40	1,80	67
(D) (1)	1000	0,46	2,11	71
(D) (2)	1000	0,55	2,51	68
(D) (3)	1000	0,64	2,88	68
(D) (4)	1000	0,72	3,20	71

- **Technical features:** See electrical connections p. 36 ff.
- **EMC:**
 - Ⓐ Ⓑ Ⓔ Ⓕ Ⓖ Interference emission acc. to EN 61000-6-3
 - Ⓒ Ⓓ Interference emission acc. to EN 61000-6-4
 - Interference immunity acc. to EN 61000-6-2
 - Harmonics acc. to EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Variable
- **Optional terminal box design:** Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Electrical connection via terminal strip, see p. 34
- **Terminal box:** Ⓕ Ⓖ Electrical connection via terminal strip
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standards:** CE
- **Approvals:** VDE, CCC, GOST are applied for; UL, CSA on request

Direction of air flow			
	Without attachments	With full square nozzle	With guard grille for short nozzle
"V"	A3G 630-AC52 -51*	W3G 630-GC52 -51	S3G 630-AC52 -51
"V"	A3G 630-AD03 -A1*	W3G 630-GD03 -A1	S3G 630-AD03 -A1
"V"	A3G 630-AP70 -21*	W3G 630-GP70 -21	S3G 630-AP70 -21
"V"	A3G 630-AQ37 -21*	W3G 630-GQ37 -21	S3G 630-AQ37 -21
"V"	A3G 630-AR85 -01*	W3G 630-GR85 -01	S3G 630-AR85 -01
"V"	A3G 630-AS21 -01	W3G 630-GS21 -01	S3G 630-AS21 -01
"V"	A3G 630-AU23 -01	W3G 630-GU23 -01	S3G 630-AU23 -01

*Optional terminal box design: Electrical connection via terminal strip, see p. 34

	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
Ⓐ Ⓐ	1140	0,64	1,02	74
Ⓐ Ⓑ	1140	0,78	1,25	71
Ⓐ Ⓒ	1140	0,89	1,42	72
Ⓐ Ⓓ	1140	0,99	1,60	74
Ⓐ Ⓔ	1230	1,47	2,26	77
Ⓑ Ⓐ	1230	1,60	2,46	76
Ⓑ Ⓑ	1230	1,75	2,70	77
Ⓑ Ⓒ	1230	1,85	2,85	81
Ⓑ Ⓓ	1510	2,49	3,77	81
Ⓑ Ⓔ	1510	2,74	4,18	81
Ⓒ Ⓐ	1510	2,94	4,47	81
Ⓒ Ⓑ	1510	3,20	4,90	86