

EC axial fans – HyBlade®

Ø 990

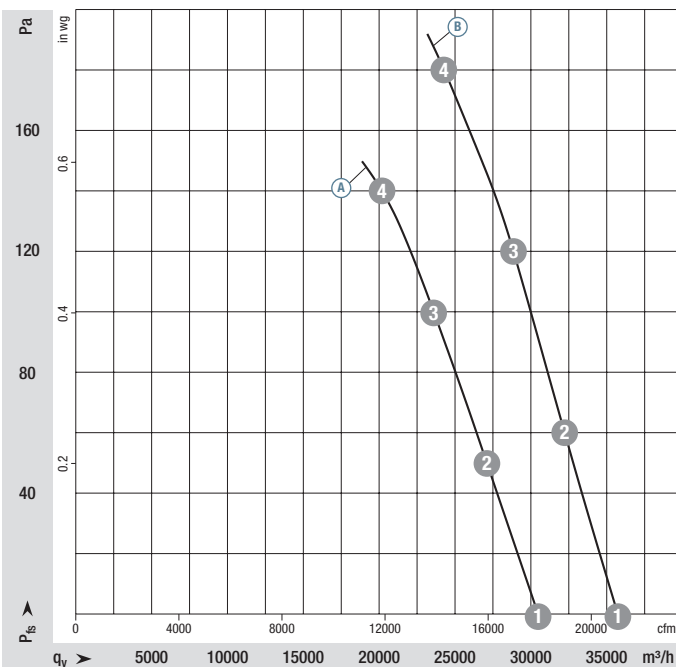


- **Material:** Guard grille: Steel, coated with black plastic (RAL 9005)
 Fan housing: Sheet steel, galvanized and coated with black plastic (RAL 9005)
 Blades: Aluminum insert, over-molded with PP plastic
 Rotor: Painted black
 Electronics housing: Die-cast aluminum, painted black
- **Number of blades:** 5
- **Direction of rotation:** Clockwise viewed toward rotor
- **Degree of protection:** IP55
- **Insulation class:** "F"
- **Installation position:** Shaft horizontal or rotor on bottom, rotor on top on request
- **Condensation drainage holes:** Rotor side
- **Mode:** Continuous operation (S1)
- **Mounting:** Maintenance-free ball bearings

Nominal data		Blade pitch	Curve	Nominal voltage range	Frequency	Speed ⁽¹⁾	Max. input power ⁽¹⁾	Max. input current ⁽¹⁾	Max. back pressure	Perm. ambient temp.	Techn. features and connection diagram
Type	Motor			VAC	Hz	rpm	W	A	Pa	°C	
*3G 990	M3G 150-IF	-5°	A	3~380-480	50/60	820	1650	2,60	140	-25 ⁽²⁾ ..+70	P. 134 / M5)
*3G 990	M3G 150-NA	-5°	B	3~380-480	50/60	960	2500	3,90	180	-25 ⁽²⁾ ..+65	P. 134 / M5)

Subject to change (1) Nominal data at operating point with maximum load and 400 VAC.
 (2) Occasional start-up between -40°C and -25°C is permissible. Continuous operation below -25°C only possible with special low-temperature bearings (on request).




Curves:



	n rpm	P _{ed} W	I A	L _{wA} dB(A)
A 1	820	947	1,61	80
A 2	820	1224	1,99	77
A 3	820	1465	2,34	78
A 4	820	1650	2,60	80
B 1	960	1478	2,36	84
B 2	960	1827	2,87	82
B 3	960	2176	3,38	82
B 4	960	2500	3,90	83

Air performance measured according to: ISO 5801, installation category A, in ebm-papst full nozzle without contact protection. Intake-side sound level: L_{wA} according to ISO 13347, L_{pA} measured at 1 m distance from fan axis. The values given are only applicable under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked in installed condition. See Page 136 ff for detailed information.

- **Technical features:** See connection diagram P. 134
- **EMC:** Immunity to interference according to EN 61000-6-2 (industrial environment)
 Circuit feedback according to EN 61000-3-2
 Interference emission according to EN 61000-6-4 (industrial environment), according to household appliance standard on request
- **Touch current:** <= 3.5 mA according to IEC 60990 (measuring circuit Fig. 4)
- **Electrical connection:** Via terminal box
- **Protection class:** I (with customer connection of protective earth)
- **Conformity with standards:** EN 61800-5-1, CE
- **Approvals:** EAC

Airflow direction		Weight without attachments		Weight with square full nozzle		Weight with guard grille for full nozzle
	◀ "V"	kg	◀ "V"	kg	◀ "V"	kg
	without attachments-		with square full nozzle		with guard grille for full nozzle	
"V"	A3G 990-AY22 -71	26,00	W3G 990-GY22 -71	55,00	S3G 990-BY22 -71	35,00
"V"	A3G 990-AZ01 -71	32,00	W3G 990-GZ01 -71	61,00	S3G 990-BZ01 -71	41,00

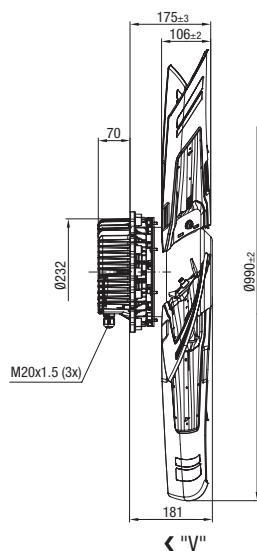
Airflow direction "A" on request

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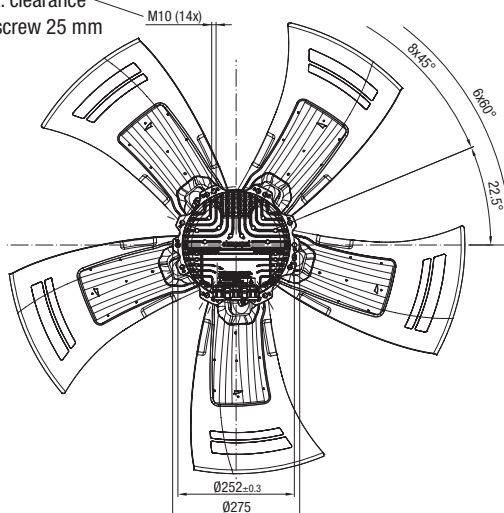
Ø 990 with motor M3G 150



A3G 990-AY22-71 (without attachments, airflow direction "V")

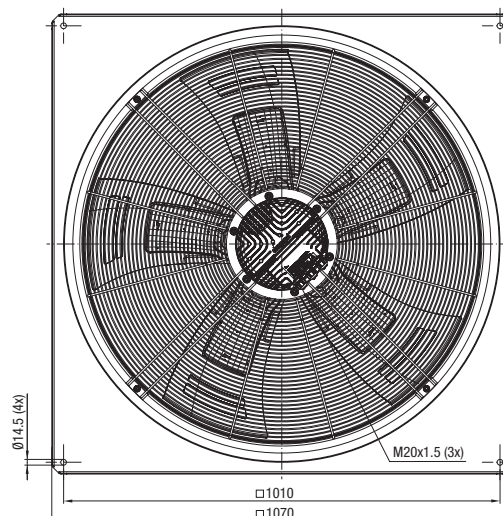
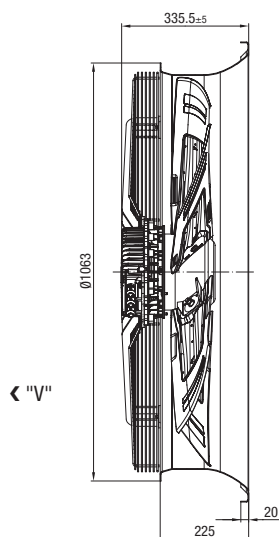


Max. clearance for screw 25 mm

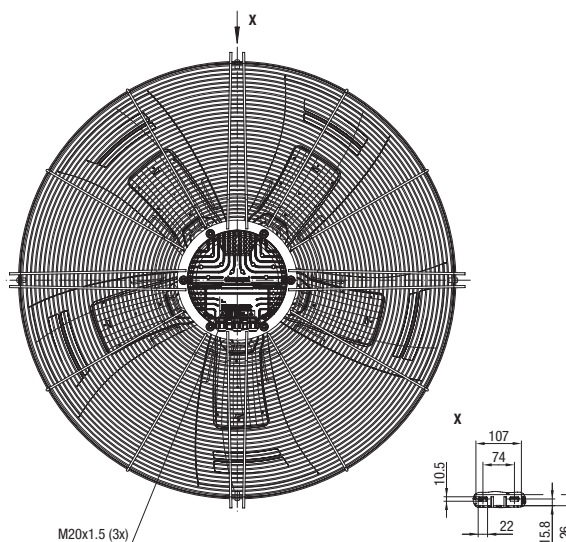
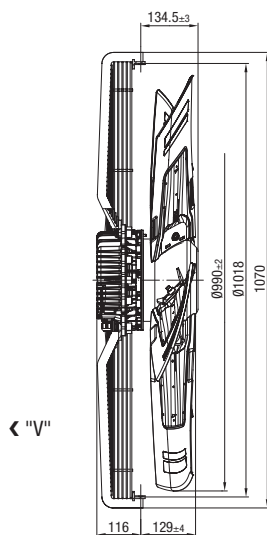


Inside diameter of fan housing min. 1000 mm

W3G 990-GY22-71 (with square full nozzle, airflow direction "V")



S3G 990-BY22-71 (with guard grille for full nozzle, airflow direction "V")



Inside diameter of fan housing min. 1000 mm

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Ø 990 with motor M3G 150



Information

Ø 200

Ø 250

Ø 300

Ø 350

Ø 400

Ø 450

Ø 500

Ø 560

Ø 630

Ø 710

Ø 800

Ø 910

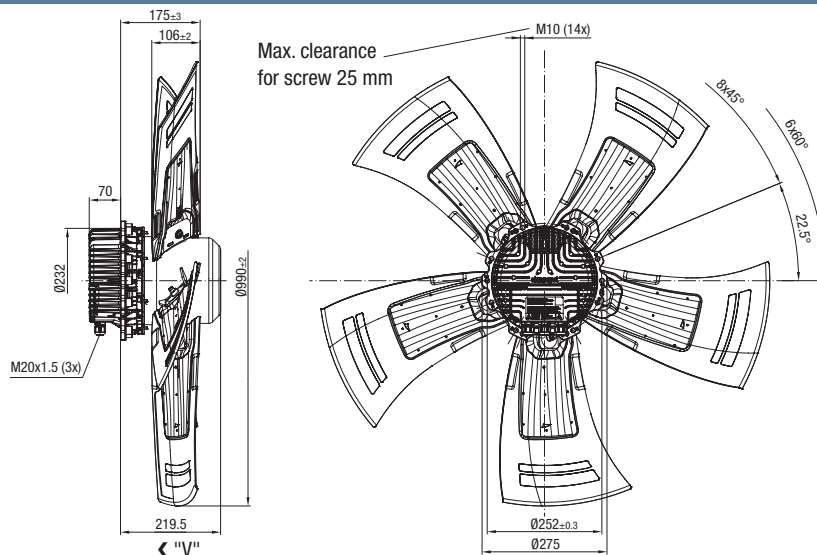
Ø 990

Ø 1250

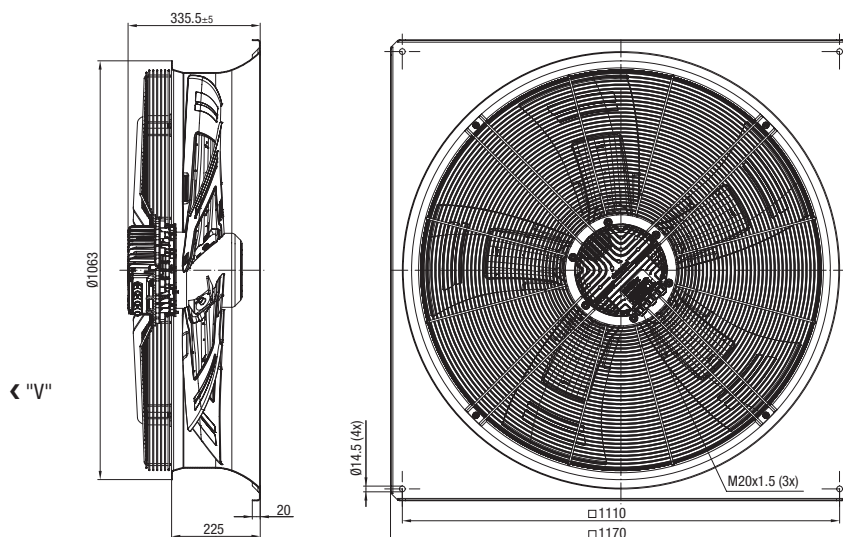
Technology

Agents

A3G 990-AZ01-71 (without attachments, airflow direction "V")



W3G 990-GZ01-71 (with square full nozzle, airflow direction "V")



S3G 990-BZ01-71 (with guard grille for full nozzle, airflow direction "V")

