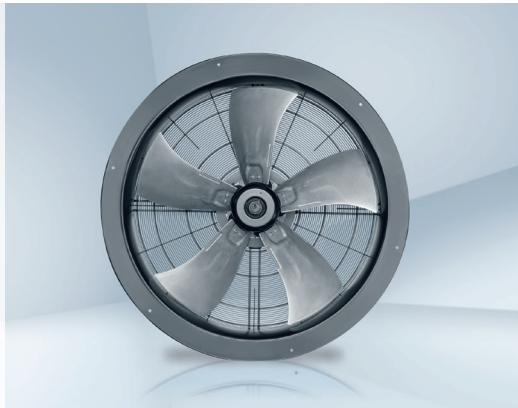


EC axial fans – HyBlade®

Ø 1250

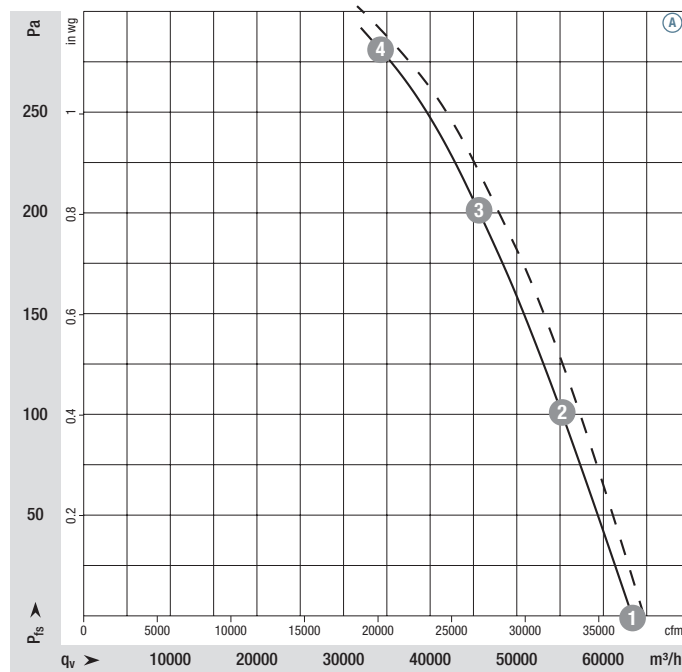


- **Material:** Guard grille: Steel, coated with black plastic (RAL 9005)
Fan housing and diffuser: Sheet steel, galvanized and coated with black plastic (RAL 9005)
Blades: Die-cast aluminum
Rotor: Painted black
Electronics housing: Die-cast aluminum, painted black
- **Number of blades:** 5
- **Direction of rotation:** Clockwise viewed toward rotor
- **Degree of protection:** IP54
- **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

Type	Motor	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
				VAC	Hz	rpm	W	A	Pa	°C	
3G Z50	M3G 200-QA	-5°	(A)	3~380-480	50/60	820	6000	9,20	280	-25..+60	P. 135 / M3) / P. 137 / M9*)
Subject to change		(1) Nominal data at operating point with maximum load and 400 VAC.				(*) AxiTop					





Curves:



	n rpm	P _{ed} W	I A	L _{WA} dB(A)
(A) 1	820	3560	5,35	84
(A) 2	820	4500	6,75	84
(A) 3	820	5300	8,11	86
(A) 4	820	6000	9,20	93

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. 135/137
- **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, C22.2 Nr. 77 + CAN/CSA-E60730-1, UL 1004-7 + 60730

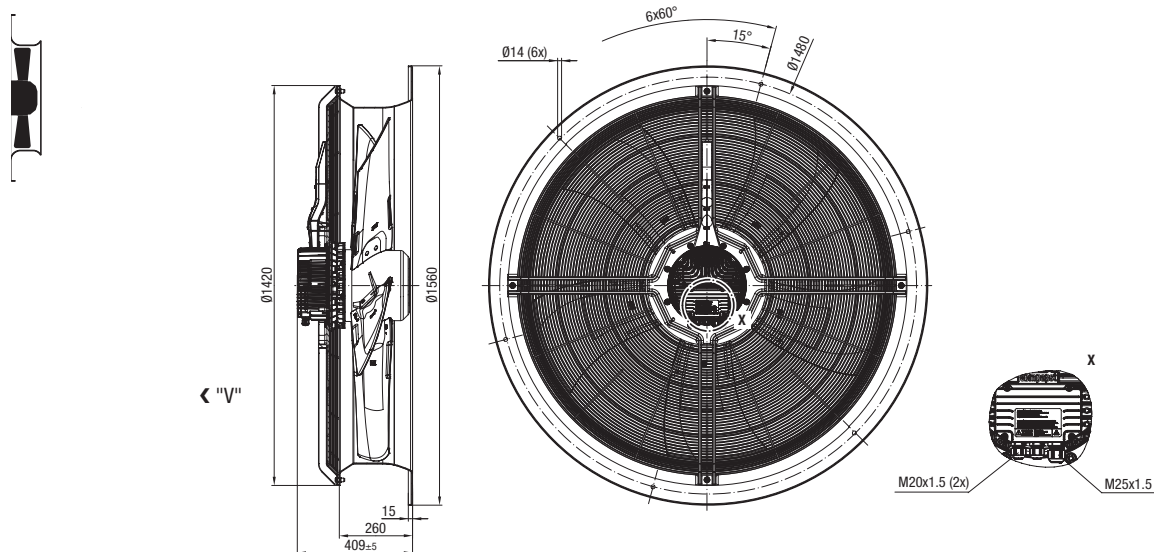
Airflow direction		Weight without attachments		Weight with round full nozzle		Weight with guard grille for full nozzle		Weight with round full nozzle and diffuser
	without attachments-	kg	with round full nozzle	kg	with guard grille for full nozzle	kg	with round full nozzle and diffuser (AxiTop)	kg
"V"	---	---	W3G Z50-FF02 -01	144,0	---	---	W3G Z50-EF02 -01	193,0
Airflow direction "A" on request								

EC axial fans – HyBlade®

Ø 1250 with motor M3G 200



W3G Z50-FF02-01 (with round full nozzle, airflow direction "V")



W3G Z50-EF02-01 (with round full nozzle and diffuser, airflow direction "V") - AxiTop -

