A3G350-AG00-01

EC axial fan - HyBlade®

sickled blades (S series)

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Nominal data

Type	A3G350-AG00-01	
Phase		1~
Nominal voltage	[VAC]	230
Nominal voltage range	[VAC]	200 .. 240
Frequency	[Hz]	50/60
Type of data definition		ml
State		prelim.
Speed	[min^{-1}]	1090
Power input	[W]	82
Current draw	[A]	0.61
Max. back pressure	[Pa]	60
Min. ambient temperature	[°C]	-25
Max. ambient temperature	[°C]	+60

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

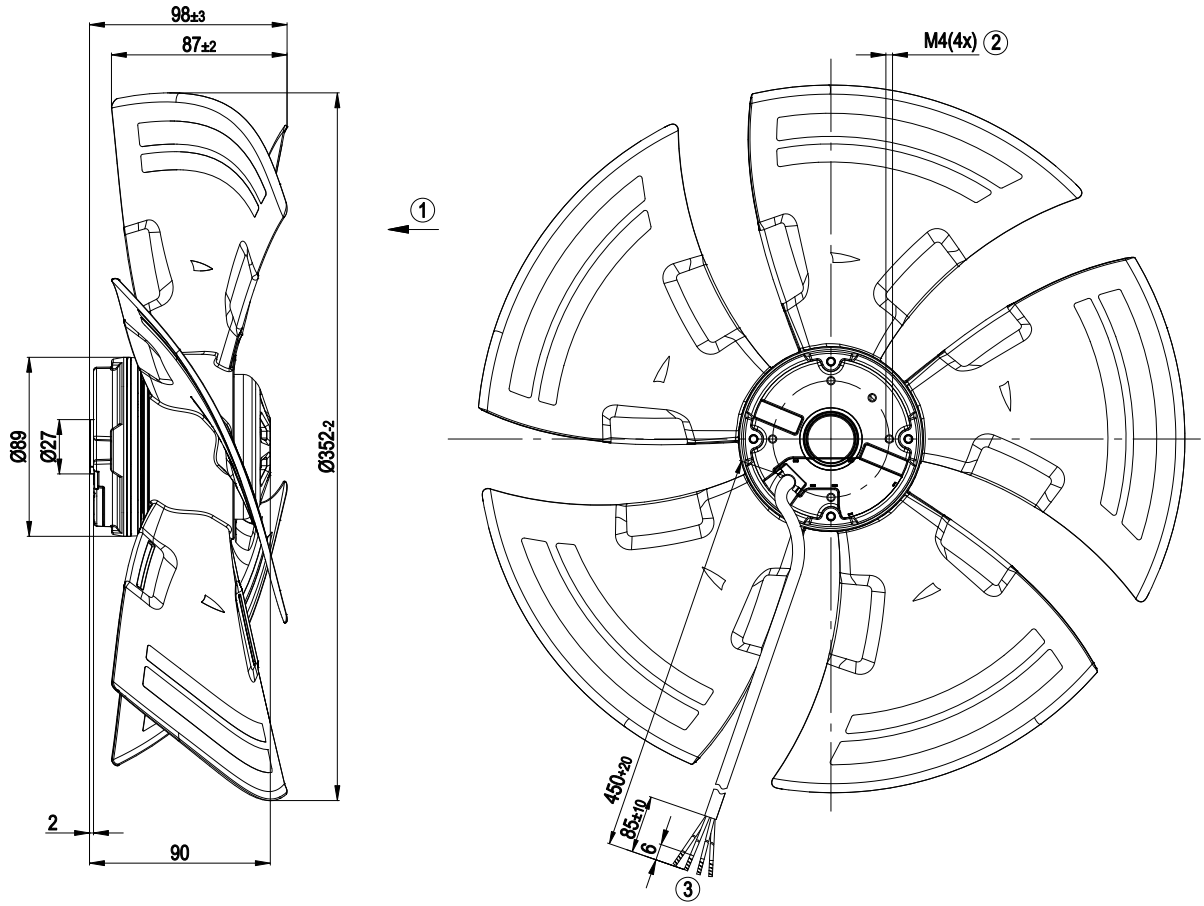
Leackage current	<= 3,5 mA
Size	350 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3
EMC interference immunity	Acc. to EN 61000-6-2
Direction of air flow	"V"
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	None, open rotor
Bearing motor	Ball bearing
Mass	2 kg
Material of electronics housing	Die-cast aluminium
Material of impeller	PP-GF40 plastic
Product conforming to standard	CE
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 54
Protection class	I
Technical features	- Over-temperature protected motor - Soft start
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C

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Product drawing



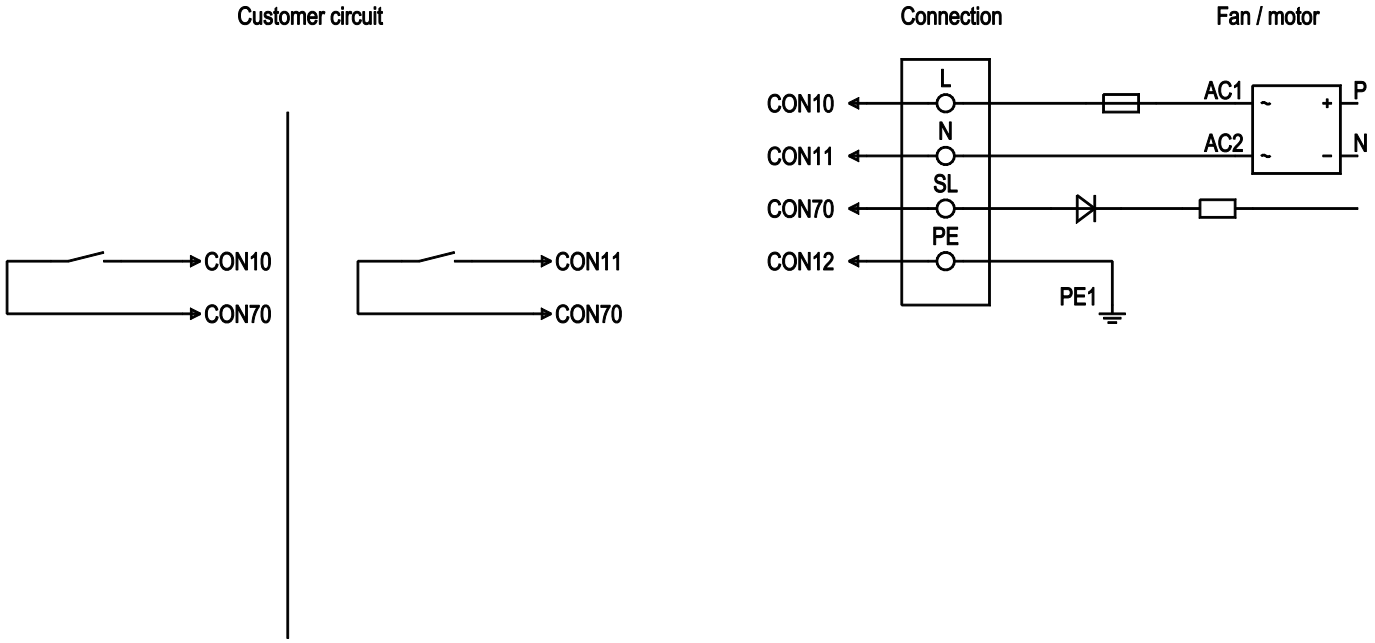
1	Direction of air flow "V"
2	Depth of screw max. 6 mm
3	Connecting lead

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Connection screen



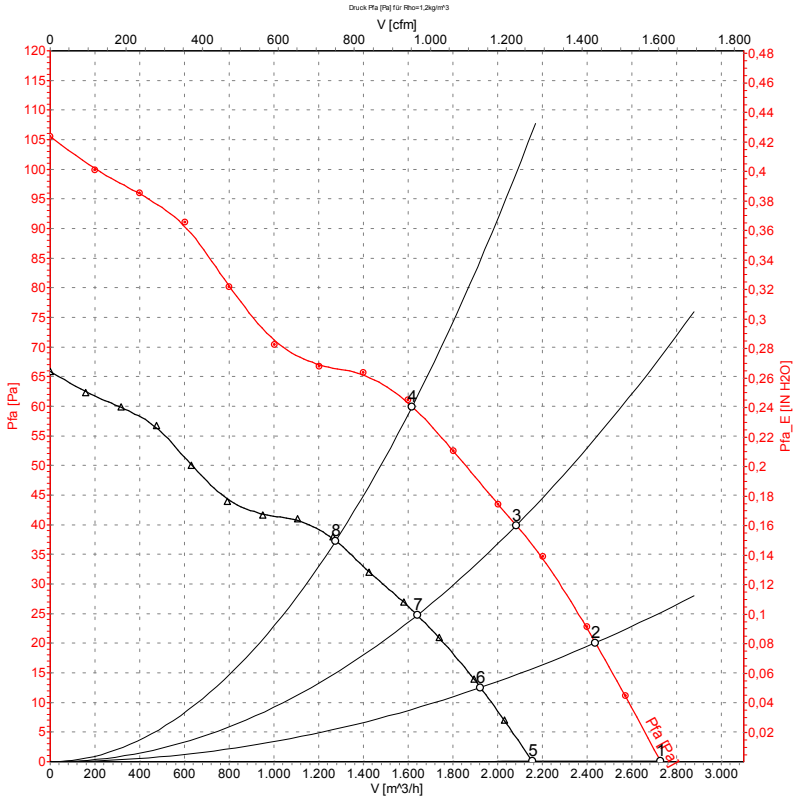
Line	No.	Signal	Colour	Function / assignment
	CON10	L	black	Power supply 230 VAC, 50/60 Hz
	CON11	N	blue	Neutral conductor
	CON12	PE	green/yellow	Protective earth
	CON70	SL	brown	Speed selection: switch open = speed step 1, switch closed = speed step 2

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Charts: Air flow 50 Hz



Measurement: LU-125023

Measured values

	U	f	n	P_1	I	LpA_{ss}	η_{TL}	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[dB(A)]	[%]	[m^3/h]	[Pa]
1	230	50	1170	69	0.52	60	52	2730	0
2	230	50	1140	75	0.57	58	60	2435	20
3	230	50	1110	79	0.60	56	61	2085	40
4	230	50	1090	82	0.61	56	56	1620	60
5	230	50	920	34	0.26	55	52	2155	0
6	230	50	895	36	0.27	53	60	1925	13
7	230	50	875	38	0.29	51	61	1640	25
8	230	50	865	41	0.31	50	56	1275	38

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