

Three-Phase-Asynchronous-Motor AOA 112 M 2/PHE

IE3OG11M2052



General data

Type of motor	3~
Type designation	AOA
Frame size	112
Mounting	B3
Frame execution	M
Frame material	Aluminium
Insulation class	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	28,00
Rotation Direction	right /left
Vibration level	A
Balancing method	half key
cooling type	IC411
Executed acc. to noise level	IEC 60034-1 IEC 60034-9

Electrical data

Power 1 50Hz (kW)	4,00
Power 1 60Hz (kW)	4,00
Frequency (Hz)	50/60
Voltage 50Hz (V)	400/690
Voltage 60Hz (V)	460/-
Voltage/Frequency tolerance (not valid for range voltage)	range B
Connection	Δ/Y
Poles	2
Efficiency 100% 50Hz (%)	88,1
Efficiency 75% 50Hz (%)	89
Efficiency 50% 50Hz (%)	88
Efficiency 100% 60Hz (%)	88,5
Efficiency 75% 60Hz (%)	89,4
Efficiency 50% 60Hz (%)	88,4
Power factor	0,87
Starting current (Ia/In)	8
Starting torque (Ma/Mn)	3
Breakdown torque (Mk/Mn)	3,8
Current 50Hz (A)	7,53/4,37
Current 60Hz (A)	6,52/0,00
Eff.Cl.50Hz	IE3
Eff.Cl.60Hz	IE3

Motor characteristics

Color	RAL7030
Paint surface	shiny
Paint coating	C3
Protection class	IP55
Cable gland size (cable connection)	1xM25x1,5 1xblind plug
Cable gland size (option)	M20x1,5
Cable gland type	Standard
Shaft end (mm)	28 x 60
Shaft material	C40
Specification NDE	Plastic fan

Mechanical data

Torque (Nm)	13,10/10,95
Rotation speed (1/min)	2905/3485
Bearing DE	6206.ZZ.CM
Bearing NDE	6206.ZZ.CM
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X0) (N)	1094
allow. Radial load (Xmax) (N)	887
Moment of inertia (kgm ²)	0,0068

Influencing factors

Duty	S1
Ambient temperature (°C)	-20 up to +40
Height of location (m)	1000

Additional options

Protection winding	PTC 150°C
Condensate draining hole	✓
Condensate draining hole sealing screw	✓

Technical changes and errors reserved.

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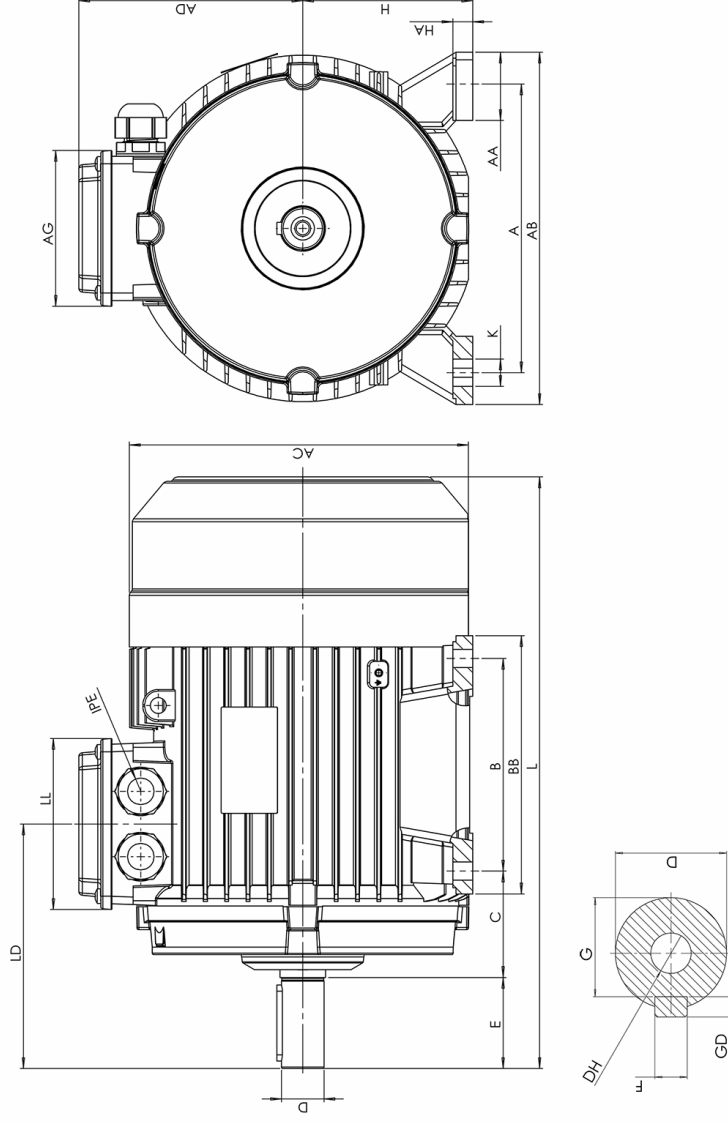
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Drawings



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Die Zeichnung dient lediglich als Skizze um Maße darzustellen. Das gelieferte Produkt kann von dieser Skizze abweichen. Die detaillierte Beschreibung des Produkts befindet sich im Datenabschnitt (Seite 1).
The drawing serves only as a sketch to show dimensions. The delivered product may differ from this sketch. The detailed description of the product can be found in the Data section (page 1).



LB	IPE/KK	DH	K	G	LL	LD	L	AG	GD	F	HA	H	E	D	C	BB	B	AD	AC	AB	AA	A
329	M25x1,5	M10	18	24,00	113,00	161,00	389,50	103,00	7	8	13	112	60	28	53	174	140	148	223	232	45	190