

Three-Phase-Asynchronous-Motor FOA 132 M 4/PHE

IE3OG13M4010



General data

Type of motor	3~
Type designation	FOA
Frame size	132
Mounting	B5
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)	58,00
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)	7,50
Power 1 60Hz (kW)	7,50
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	4
Efficiency 100% 50Hz (%)	90,4
Efficiency 75% 50Hz (%)	90,9
Efficiency 50% 50Hz (%)	90,5
Efficiency 100% 60Hz (%)	89,5
Efficiency 75% 60Hz (%)	90,0
Efficiency 50% 60Hz (%)	89,6
Power factor	0,79/0,81
Starting current (Ia/In)	7,3
Starting torque (Ma/Mn)	3,0
Breakdown torque (Mk/Mn)	3,2
Current 50Hz (A)	15,10/8,77
Current 60Hz (A)	15,60/0,00
Eff.Cl.50Hz	IE3
Eff.Cl.60Hz	IE2

Motor characteristics

Color	RAL7030
Paint surface	shiny
Paint coating	C3
Protection class	IP55
Cable gland size (cable connection)	2xM32x1,5
Cable gland size (option)	M16x1,5
Cable gland type	Standard
Shaft end (mm)	38 x 80
Shaft material	C45
Specification NDE	Plastic fan
Flange size	300

Mechanical data

Torque (Nm)	49,20/49,20
Rotation speed (1/min)	1455/1750
Bearing DE	6208.ZZ.C3
Bearing NDE	6208.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X0) (N)	2000
allow. Radial load (Xmax) (N)	1580
Moment of inertia (kgm²)	0,0361

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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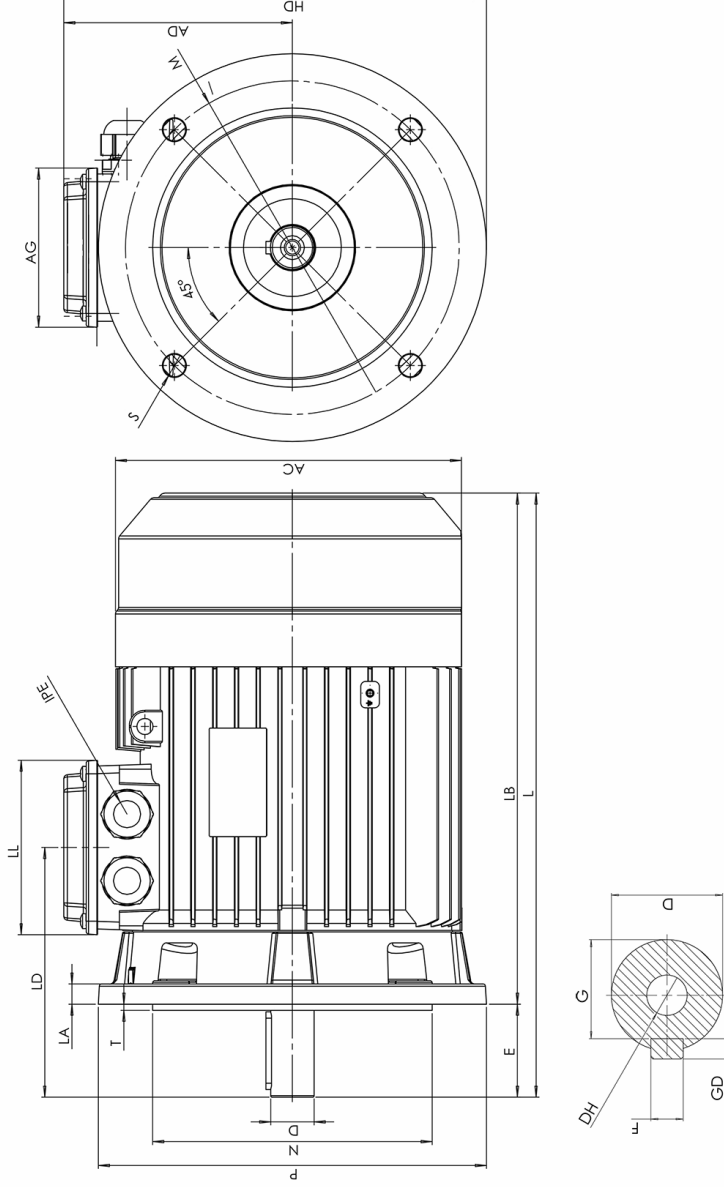
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Drawings



Three-Phase-Asynchronous-Motor FOA 132 M 4/PHE IE30G13M4010

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).



S	T	HD	P	N	M	LB	IPE/KK	DH	G	LL	LD	L	AG	GD	F	E	D	AD	AC
4x14,5	4,00	336,00	300	230	265	389	M32x1,5	M12	33,00	139,00	202,00	469,00	137,00	8	10	80	38	186	264