

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

IE3AC13M4024-P : V030728 : : :

General data

Kind of motor	3~
Type designation	ACA
Frame size	132
Mounting form	B3
Frame execution	M
Frame material	Aluminium
Insulation class	F/B
Terminal box location	top DE
Terminal box orientation	0° cable gland right side
Weight (kg)	60,00
Rotation Direction	right /left
Vibration level	A
Balancing method	half key
cooling type	IC411
Executed acc. to	IEC 60034-1
noise level	IEC 60034-9

Electrical data

Power 1 50Hz (kW)	7,50
Power 1 60Hz (kW)	0,00
Frequency (Hz)	50
Voltage 50Hz (V)	200/345
Voltage/Frequency tolerance (not valid for range voltage)	range B
Connection	Δ/Y
Poles	4
Efficiency 100% 50Hz (%)	90,4
Efficiency 75% 50Hz (%)	90,4
Efficiency 50% 50Hz (%)	88,6
Power factor	0,84
Starting current (Ia/In)	7,4
Starting torque (Ma/Mn)	2
Breakdown torque (Mk/Mn)	2,3
Current 50Hz (A)	28,51/16,53
Current 60Hz (A)	0,00
Eff.Cl.50Hz	IE3

Motor characteristics

Color	RAL7030
Paint surface	silk-gloss
Protection class	IP55
Cable gland size (cable connection)	1xM32x1,5 1xblind plug
Cable gland size (option)	M16x1,5
Cable gland type	Standard
Shaft end (mm)	38 x 80
Shaft material	C45
Specification NDE	Plastic fan

Mechanical data

Torque (Nm)	49,06
Rotation speed (1/min)	1460
Bearing DE	6308.ZZ.C3
Bearing NDE	6308.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X/2) (N)	1700
allow. Radial load (X0) (N)	1900
allow. Radial load (Xmax) (N)	1500
allow. Axial load (N)	1450
allow. Axial load (V1) (N)	1400
Moment of inertia (kgm²)	0,034

Influencing factors

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

Additional options

Protection winding	PTC 150°C
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Technical changes and errors reserved.

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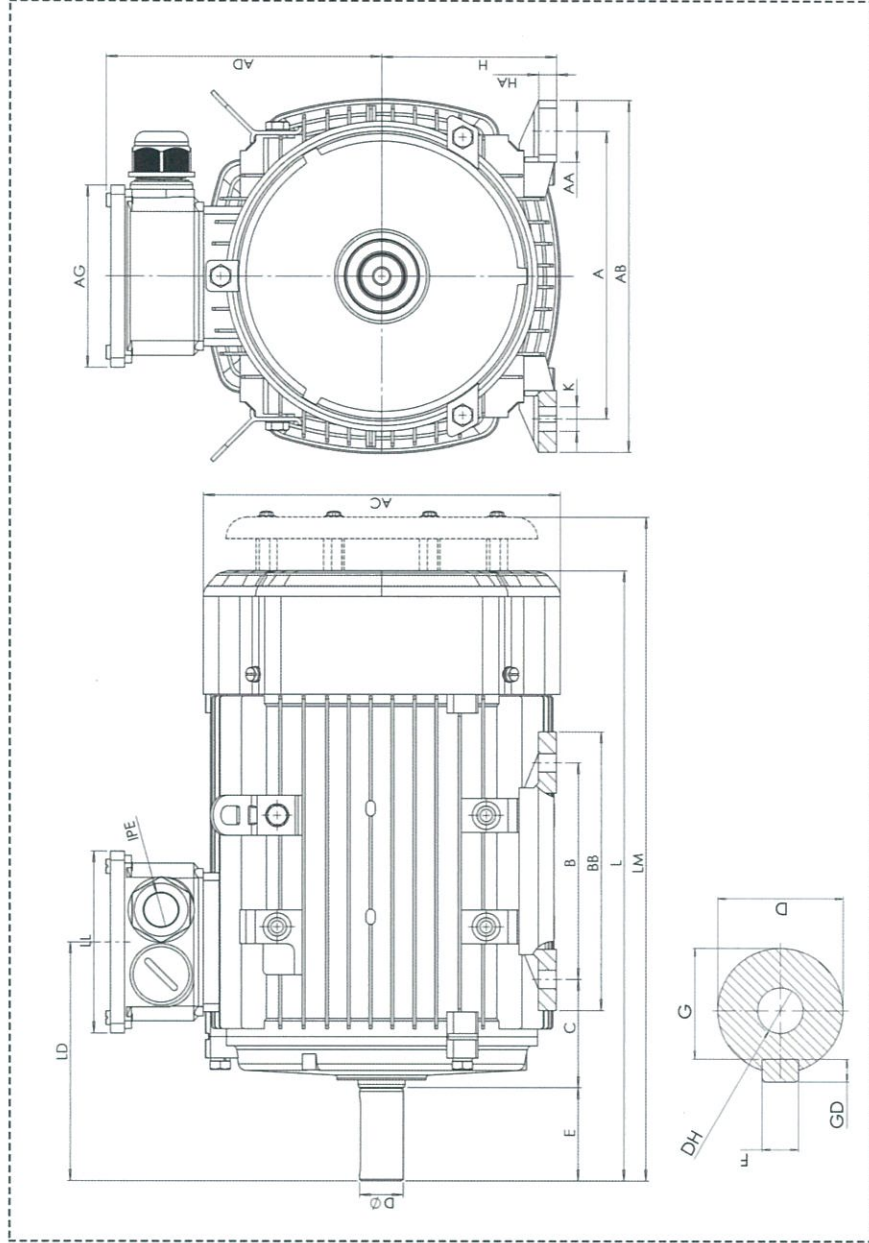
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Drawings

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IPE/KK	DH	K	ED	G	LL	L	AG	GD	EB	F	HA	H	E	D	C	BB	B	AD	AC	AB	AA	A
M32x1.5	M12x28	12x16	7,50	33,00	117,50	538,00	117,50	8	65	10	15	132	80	38	89	224	178	188	258	262	51	216