

THREE-PHASE-ASYNCHRONOUS-MOTOR ACM 225 M 6 /PHE

IE3AC22M6000

General data

Type of motor	3~
Type designation	ACM
Frame size	225
Mounting	B3
Frame execution	M
Frame material	Grauguß
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	308
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

Influential factors

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

Electrical specification

Power 1 50Hz (kW)	30
Power 1 60Hz (kW)	30
Frequency (Hz)	50/60
Voltage 50Hz (V)	400/690
Voltage 60Hz (V)	460/795
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Δ/Y
Poles	6
Efficiency 100% 50Hz (%)	92,9
Efficiency 75% 50Hz (%)	92,9
Efficiency 50% 50Hz (%)	91,0
Efficiency 100% 60Hz (%)	94,1
Efficiency 75% 60Hz (%)	94,1
Efficiency 50% 60Hz (%)	92,2
Power factor	0,83
Starting current factor	7,1
Starting torque factor	2
Tilting moment factor	2,1
Rated current 50Hz (A)	56,16/32,55
Rated current 60Hz (A)	48,21/27,96
Eff.Cl.50Hz	IE3

Electrical specification

Eff.Cl.60Hz	IE3
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Mechanical data

Torque (Nm)	292,35/243,66
Rotation speed (1/min)	980/1176
Bearing DE	6313.ZZ.C3
Bearing NDE	6313.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	fixed bearing
Bearing lifetime	20000
allow. Radial load (X/2)	6062
allow. Radial load (X0)	6775
allow. Radial load (Xmax)	5350
allow. Axial load B3,B5,B35,B14,B34	5775
allow. Axial load V1,V3,V19,V18	4880
Moment of inertia	0,55

Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	2xM50x1,5
Cable gland size (option)	M20x1,5
Cable gland type	Standard
Shaft end	60 x 140
Shaft material	C45
Specification NDE	Plastic fan

Additional operating points

Voltage operating point 2	460/795
Power operating point 2 (kW)	36
Connection operating point 2	Δ/Y
Frequency operating point 2	60
Efficiency class operating point 2	IE2

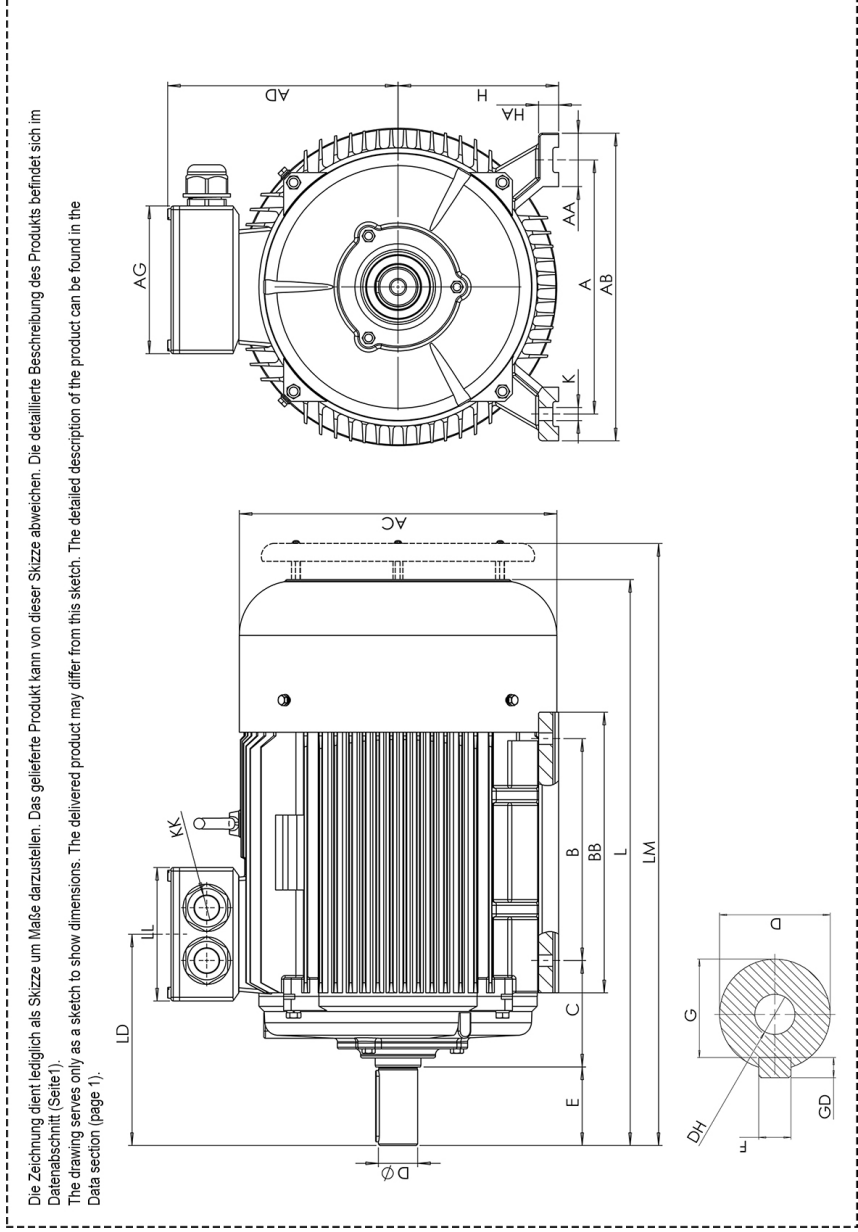
Additional option

Protection winding	PTC 150°C
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Dimension drawings

Three-Phase-Asynchronous- Motor ACM 225 M 6 /PHE

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A	AA	AB	AC	AD	AG	B	BB	C	D	E	H	HA	K	L	LM	LD	LL	F	G	DH	EB	ED	GD
356	75	431	446	322	210	311	393	149	60	140	225	28	18,5	823	878	329	190	18	53	M20x42	125	7,5	11