

Motor AC

Motor-AC

General data

Kind of motor	3~
Type designation	FCM
Frame size	200
Mounting form	B5
Frame execution	L
Frame material	Cast iron
Insulation class	F/B
Terminal box location	top DE
Terminal box orientation	0° cable gland right side
Weight (kg)	251,00
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)	22,00
Power 1 60Hz (kW)	26,40
Frequency (Hz)	50/60
Voltage 50Hz (V)	400/690
Voltage 60Hz (V)	460/795
Voltage/Frequency tolerance (not valid for range voltage)	range B
Connection	Δ/Y
Poles	6
Efficiency 100% 50Hz (%)	92,2
Efficiency 75% 50Hz (%)	92,2
Efficiency 50% 50Hz (%)	90,4
Efficiency 100% 60Hz (%)	94,1
Efficiency 75% 60Hz (%)	92,2
Efficiency 50% 60Hz (%)	90,4
Power factor	0,81
Starting current (Ia/In)	7,3
Starting torque (Ma/Mn)	2,1
Breakdown torque (Mk/Mn)	2,1
Current 50Hz (A)	42,52/24,65
Current 60Hz (A)	43,47/25,15
Eff.Cl.50Hz	IE3
Eff.Cl.60Hz	IE3

Motor characteristics

Color	RAL7030
Paint surface	silk-gloss
Protection class	IP55
Cable gland size (cable connection)	2xM50x1,5
Cable gland size (option)	M20x1,5
Cable gland type	Standard
Shaft end (mm)	55 x 110
Shaft material	C45
Specification NDE	Plastic fan
Flange size	400

Mechanical data

Torque (Nm)	214,39/214,39
Rotation speed (1/min)	980/1176
Bearing DE	6312.ZZ.C3
Bearing NDE	6312.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	fixed bearing
Bearing lifetime (h)	20000
Moment of inertia (kgm²)	0,36

Influencing factors

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

Additional options

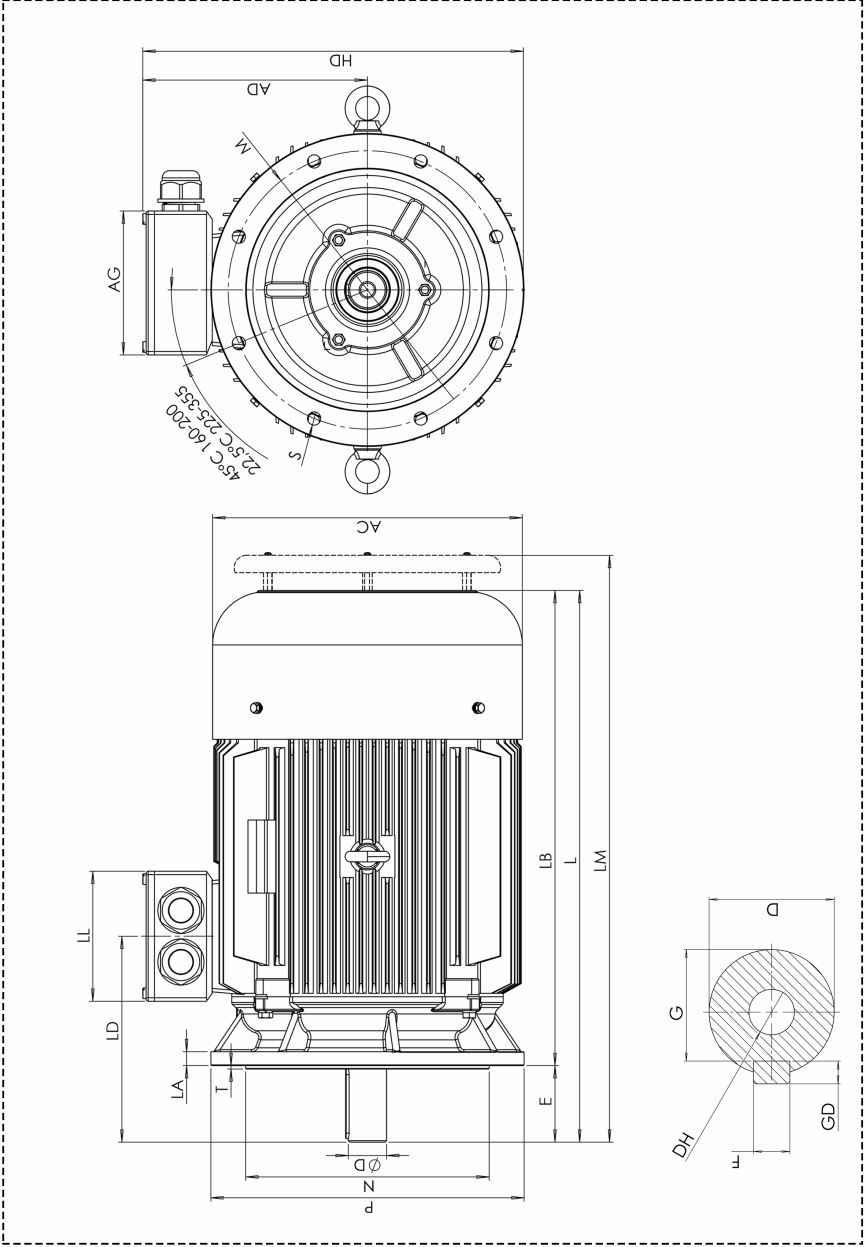
Protection winding	PTC 150°C
UL E480221	✓
CC-no.	CC325B

Technical changes and errors reserved.

14.05.2018

Drawings

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S	T	HD	P	N	M	LB	LA	IPE/KK	DH	ED	G	LL	L	AG	GD	EB	F	E	D	AD	AC
4x18,5	5,00	499,00	400	300	350	647	17	M50x1,5	M20x42	5,00	49,00	190,00	757,00	210,00	10	100	16	110	55	299	397