

THREE-PHASE-ASYNCHRONOUS-MOTOR FCA 56 B 2 /HE

IE2AC05B2002

General data

Type of motor	3~
Type designation	FCA
Frame size	56
Mounting	B5
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	4.4
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)	0.12
Power 1 60Hz (kW)	0.12
Frequency (Hz)	50/60
Voltage 50Hz (V)	230/400
Voltage 60Hz (V)	265/460
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Δ/Y
Poles	2
Efficiency 100% 50Hz (%)	53,6
Efficiency 75% 50Hz (%)	53,6
Efficiency 50% 50Hz (%)	52,5
Efficiency 100% 60Hz (%)	59,5
Efficiency 75% 60Hz (%)	53,6
Efficiency 50% 60Hz (%)	52,5
Power factor	0,72
Starting current factor	5,2
Starting torque factor	2,1
Tilting moment factor	2,2
Rated current 50Hz (A)	0,78/0,45
Rated current 60Hz (A)	0,61/0,35
Eff.Cl.50Hz	IE2
Eff.Cl.60Hz	IE2

Mechanical data

Torque (Nm)	0,42/0,35
Rotation speed (1/min)	2720/3260
Bearing DE	6201.ZZ.C3
Bearing NDE	6201.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	275
allow. Radial load (X0)	300
allow. Radial load (Xmax)	250
allow. Axial load B3,B5,B35,B14,B34	250
allow. Axial load V1,V3,V19,V18	235

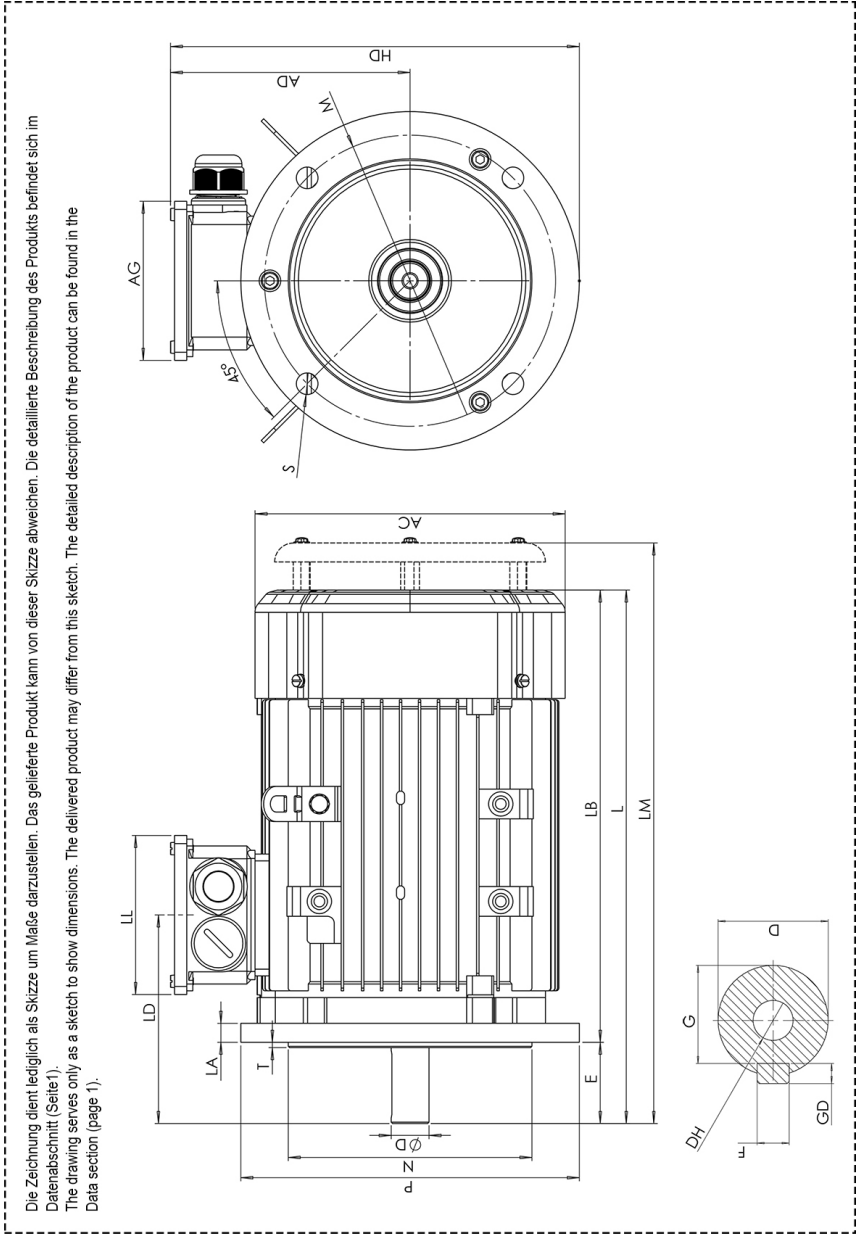
Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	1xM20x1,5 1xblind plug
Cable gland type	Standard
Shaft end	9 x 20
Shaft material	C45
Specification NDE	Plastic fan
Flange	120

Dimension drawings

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AC	AD	AG	D	E	HD	L	LM	LA	LB	LL	M	N	P	S	T	F	G	DH	EB	ED	GD
113	96	86	9	20	156	199	229	8	179	86	100	80	120	4x7	3	3	7,2	M4x12	16	2	3