

THREE-PHASE-ASYNCHRONOUS-MOTOR ACA 80 B 4/6

AC08A2200038

General data

Type of motor	3~ multi speed
Type designation	ACA
Frame size	80
Mounting	B3
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	16
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

General data double-speed motors

Power 2 50Hz (kW)	0.18
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Influential factors

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

Electrical specification

Power 1 50Hz (kW)	0.55
Frequency (Hz)	50
Voltage 50Hz (V)	380-420
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Y/Y
Poles	4/6
Efficiency 100% 50Hz (%)	72/61
Power factor	0,81/0,50
Starting current factor	6,5/5
Starting torque factor	1,6/1,6
Tilting moment factor	2
Rated current 50Hz (A)	1,36/0,47

Mechanical data

Torque (Nm)	3,50/0,96
Rotation speed (1/min)	1500/1000
Bearing DE	6204.ZZ.C3
Bearing NDE	6204.ZZ.C3

Mechanical data

Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	700
allow. Radial load (X0)	775
allow. Radial load (Xmax)	625
allow. Axial load B3,B5,B35,B14,B34	625
allow. Axial load V1,V3,V19,V18	595
Moment of inertia	0

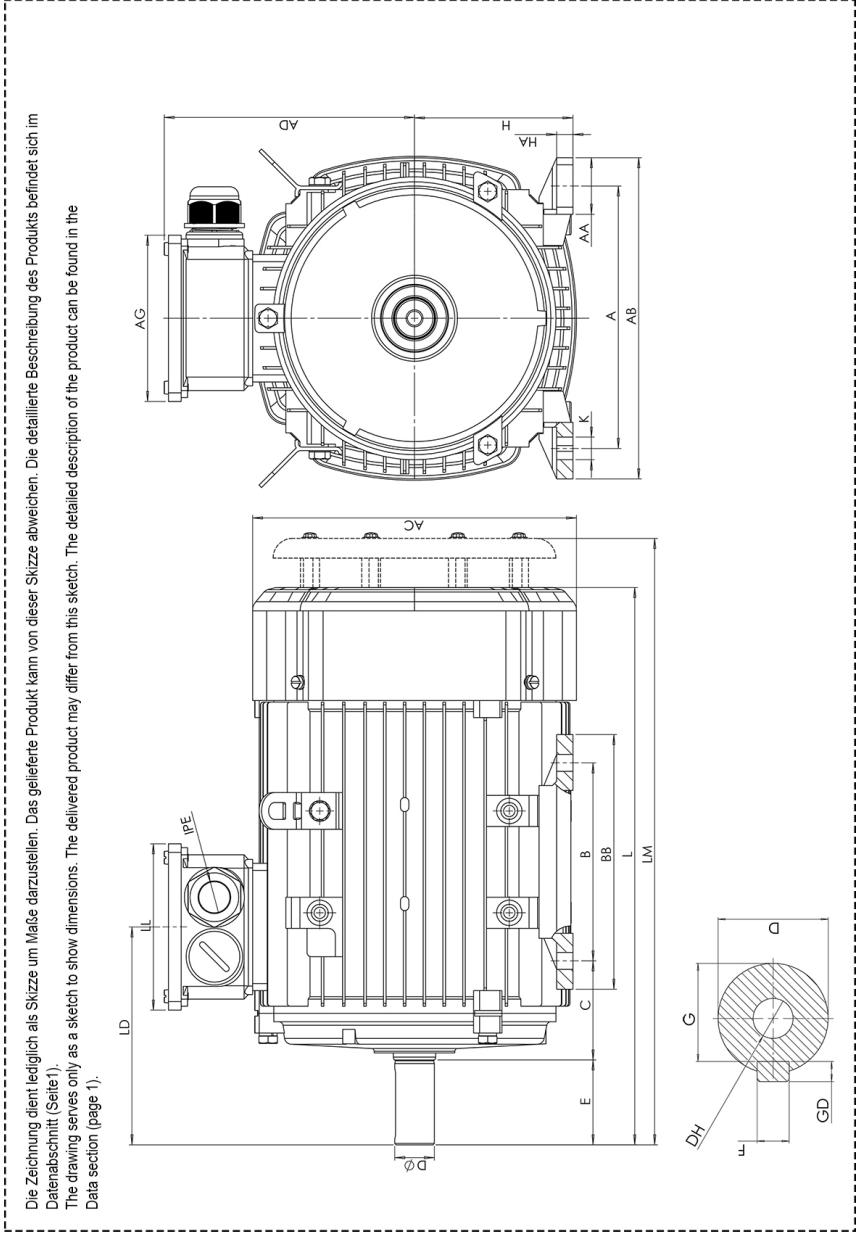
Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	1xM20x1,5 1xblind plug
Cable gland type	Standard
Shaft end	19 x 40
Shaft material	C45
Specification NDE	Plastic fan

Dimension drawings

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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
125	35	157	155	124	101	100	125	50	19	40	80	9	10x14	277	307	118	101	6	15,5	M6x16	30	5	6