

SINGLE-PHASE MOTOR ABS 80 B 2 /HE

IE2AB08B4100

General data

Type of motor	1~
Type designation	ABS
Frame size	80
Mounting	B3
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the back side NDE
Weight (kg)	11.2
Rotation Direction	Clockwise
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)	1.1
Frequency (Hz)	50
Voltage 50Hz (V)	230
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Poles	2
Efficiency 100% 50Hz (%)	79,6
Power factor	0,98
Starting current factor	4,9
Starting torque factor	0,4
Tilting moment factor	1,9
Rated current 50Hz (A)	6,13
Eff.Cl.50Hz	IE2

Mechanical data

Torque (Nm)	3,75
Rotation speed (1/min)	2850
Bearing DE	6204.ZZ.C3
Bearing NDE	6204.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	562

Mechanical data

allow. Radial load (X0)	625
allow. Radial load (Xmax)	500
allow. Axial load B3,B5,B35,B14,B34	475
allow. Axial load V1,V3,V19,V18	445
Moment of inertia	0,00457

Motor properties

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

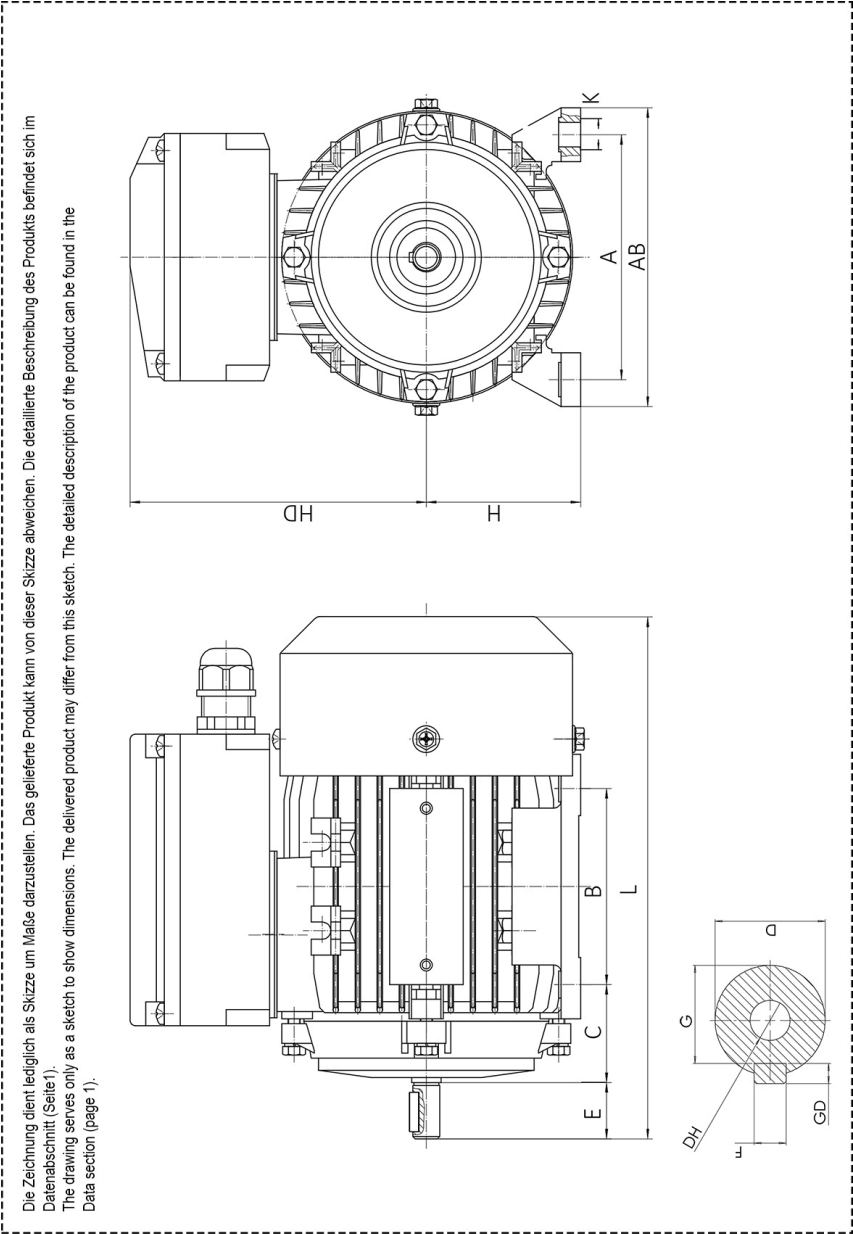
Motor properties Single-phase

Capacitor	BK
O.C. Capacity	30 myF/450 V

Dimension drawings

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A	AB	AD	AG	B	C	D	E	H	HD	K	L	LL	F	G	DH
125	160	144	117	100	50	19	40	80	144	10	285	148	6	15,5	M6x16