

## SINGLE-PHASE MOTOR ABS 56 A 2

AB05A4100004

### General data

Type of motor	1~
Type designation	ABS
Frame size	56
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)	3.5
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)	0.09
Frequency (Hz)	50
Voltage 50Hz (V)	230
Voltage tolerance	+/-10%
Poles	2
Efficiency 100% 50Hz (%)	60,0
Power factor	0,92
Starting current factor (Ia/In)	1,7
Starting torque factor (Ma/Mn)	0,5
Breakdown torque (Mk/Mn)	1,5
Rated current 50Hz (A)	0,71

### Mechanical data

Torque (Nm)	0,31
Rotation speed (1/min)	2800
Bearing DE	6201.ZZ.C3
Bearing NDE	6201.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X/2)	275
allow. Radial load (X0)	300
allow. Radial load (Xmax)	250

### Mechanical data

allow. Axial load	250
allow. Axial load (V1)	235

### Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	1xM16
Cable gland type	Standard
Shaft end (mm)	9 x 20
Shaft material	C45
Specification NDE	Plastic fan

### Motor properties Single-phase

Capacitor	BK
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Dimension drawings

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