

SINGLE-PHASE MOTOR ABS 71 A 2 /HE-HT

IE2AB07A2102

General data

Type of motor	1~
Type designation	ABS
Frame size	71
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)	6.6
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)	0.37
Frequency (Hz)	50
Voltage 50Hz (V)	230
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Poles	2
Efficiency 100% 50Hz (%)	69,5
Power factor	0,95
Starting current factor	3,5
Starting torque factor	2,3
Tilting moment factor	1,8
Rated current 50Hz (A)	2,44
Eff.Cl.50Hz	IE2

Mechanical data

Torque (Nm)	1,26
Rotation speed (1/min)	2780
Bearing DE	6202.ZZ.C3
Bearing NDE	6202.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	337

Mechanical data

allow. Radial load (X0)	375
allow. Radial load (Xmax)	300
allow. Axial load B3,B5,B35,B14,B34	300
allow. Axial load V1,V3,V19,V18	280
Moment of inertia	0,00138

Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	1xM16
Cable gland type	Standard
Shaft end	14 x 30
Shaft material	C45
Specification NDE	Plastic fan

Motor properties Single-phase

Capacitor	AK+BK
S.C. Capacity	75 myF/300V
O.C. Capacity	14 myF/450 V
run-up switching	centrifugal switch

Dimension drawings

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A	AB	B	C	D	E	H	HD	K	L	F	G	DH
112	138	90	45	14	30	71	132	7	245	5	11	M5x12