

THREE-PHASE-ASYNCHRONOUS-MOTOR FCA 71 A 2/4

AC07A2400005

General data

Type of motor	3~ multi speed
Type designation	FCA
Frame size	71
Mounting	B14a
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	7
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)	0.3
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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)	0.45
Frequency (Hz)	50
Voltage 50Hz (V)	400
Voltage tolerance	+/-10%
Connection	Δ/YY
Poles	2/4
Efficiency 100% 50Hz (%)	70/63
Power factor	0,87/0,63
Starting current factor (Ia/In)	6,5/5,5
Starting torque factor (Ma/Mn)	1,6
Breakdown torque (Mk/Mn)	1,8
Rated current 50Hz (A)	1,07/1,09

Mechanical data

Torque (Nm)	1,53/2,08
Rotation speed (1/min)	2800/1380
Bearing DE	6202.ZZ.C3
Bearing NDE	6202.ZZ.C3
Mounting of bearing DE	loose bearing

Mechanical data

Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X/2)	412
allow. Radial load (X0)	450
allow. Radial load (Xmax)	375
allow. Axial load	400
allow. Axial load (V1)	380
Moment of inertia (kgm ²)	0,0008

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 (mm)	14 x 30
Shaft material	C45
Specification NDE	Plastic fan
Flange	105

Dimension drawings

Three-Phase-Asynchronous-Motor FCA 71 A 2/4

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