

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

AC07A2400002

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)	220-240
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Δ/YY
Poles	2/4
Efficiency 100% 50Hz (%)	70/63
Power factor	0,87/0,63
Starting current factor	6,5/5,5
Starting torque factor	1,6
Tilting moment factor	1,8
Rated current 50Hz (A)	1,85/1,90

Mechanical data

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

Mechanical data

Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	412
allow. Radial load (X0)	450
allow. Radial load (Xmax)	375
allow. Axial load B3,B5,B35,B14,B34	400
allow. Axial load V1,V3,V19,V18	380

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	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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