

THREE-PHASE-ASYNCHRONOUS-MOTOR FCA 71 B 4 /HE

IE2AC07B4021

General data

Type of motor	3~
Type designation	FCA
Frame size	71
Mounting	B14a
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cabl gland to the right side
Weight (kg)	5.5
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

Influential factors

Duty	S1
Ambient temperature (°C)	-20 up to +40
Height of location (m)	1000

Electrical specification

Power 1 50Hz (kW)	0.37
Power 1 60Hz (kW)	0.37
Frequency (Hz)	50/60
Voltage 50Hz (V)	230/400
Voltage 60Hz (V)	265/460
Voltage tolerance	+/-10%
Connection	Δ/Y
Poles	4
Efficiency 100% 50Hz (%)	72,7
Efficiency 75% 50Hz (%)	72,7
Efficiency 50% 50Hz (%)	71,2
Efficiency 100% 60Hz (%)	72
Power factor	0,75
Starting current factor (Ia/In)	5,2
Starting torque factor (Ma/Mn)	2,1
Breakdown torque (Mk/Mn)	2,2
Rated current 50Hz (A)	1,70/0,98
Rated current 60Hz (A)	1,50/0,87
Eff.Cl.50Hz	IE2
Eff.Cl.60Hz	IE2

Mechanical data

Torque (Nm)	2,65/2,21
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Mechanical data

Rotation speed (1/min)	1335/1602
Bearing DE	6202.ZZ.C3
Bearing NDE	6202.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X/2)	412,5
allow. Radial load (X0)	450
allow. Radial load (Xmax)	375
allow. Axial load	400
allow. Axial load (V1)	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 (mm)	14 x 30
Shaft material	C45
Specification NDE	Plastic fan
Flange	105

