

## THREE-PHASE-ASYNCHRONOUS-MOTOR FCPA 71 A 2 /HE

IE2AC07A2003

### General data

Type of motor	3~
Type designation	FCPA
Frame size	71
Mounting	B35
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	6.4
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/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Δ/Y
Poles	2
Efficiency 100% 50Hz (%)	69,5
Efficiency 75% 50Hz (%)	69,5
Efficiency 50% 50Hz (%)	68,1
Efficiency 100% 60Hz (%)	72
Efficiency 75% 60Hz (%)	69,5
Efficiency 50% 60Hz (%)	68,1
Power factor	0,81
Starting current factor	6,1
Starting torque factor	2,2
Tilting moment factor	2,2
Rated current 50Hz (A)	1,65/0,95
Rated current 60Hz (A)	1,39/0,80
Eff.Cl.50Hz	IE2
Eff.Cl.60Hz	IE2

### Mechanical data

Torque (Nm)	1,29/1,07
Rotation speed (1/min)	2745/3294
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)	337,5
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

### 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	160

