

## THREE-PHASE-ASYNCHRONOUS-MOTOR FCPA 100 LB 2/4

AC10L2400003

### General data

Type of motor	3~ multi speed
Type designation	FCPA
Frame size	100
Mounting	B35
Frame execution	L
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	36
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)	0.8
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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)	3.1
Frequency (Hz)	50
Voltage 50Hz (V)	380-420
Voltage tolerance	+/-10%
Connection	YY/Y
Poles	2/4
Efficiency 100% 50Hz (%)	83/73
Power factor	0,89/0,70
Starting current factor (Ia/In)	7,5/5,5
Starting torque factor (Ma/Mn)	1,8/1,3
Breakdown torque (Mk/Mn)	1,8
Rated current 50Hz (A)	6,06/2,26

### Mechanical data

Torque (Nm)	10,28/5,46
Rotation speed (1/min)	2880/1400
Bearing DE	6206.ZZ.C3
Bearing NDE	6206.ZZ.C3

### Mechanical data

Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime (h)	20000
allow. Radial load (X/2)	1125
allow. Radial load (X0)	1250
allow. Radial load (Xmax)	1000
allow. Axial load	950
allow. Axial load (V1)	905

### Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	1xM25x1,5 1xblind plug
Cable gland size (option)	M16x1,5
Cable gland type	Standard
Shaft end (mm)	28 x 60
Shaft material	C45
Specification NDE	Plastic fan
Flange	250

### Additional option

Protection winding	PTC 150°C
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