

## THREE-PHASE-ASYNCHRONOUS-MOTOR ACA 132 S 6 /SPE

IE4AC13S6003

### General data

Type of motor	3~
Type designation	ACA
Frame size	132
Mounting	B3
Frame execution	S
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	46
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)	3
Power 1 60Hz (kW)	3
Frequency (Hz)	50/60
Voltage 50Hz (V)	400/690
Voltage 60Hz (V)	460/795
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Δ/Y
Poles	6
Efficiency 100% 50Hz (%)	88,6
Efficiency 75% 50Hz (%)	88,6
Efficiency 50% 50Hz (%)	86,8
Efficiency 100% 60Hz (%)	90,2
Efficiency 75% 60Hz (%)	90,2
Efficiency 50% 60Hz (%)	88,4
Power factor	0,74
Starting current factor	6,8
Starting torque factor	2
Tilting moment factor	2,1
Rated current 50Hz (A)	6,66/3,81
Rated current 60Hz (A)	5,64/3,27
Eff.Cl.50Hz	IE4

### Electrical specification

Eff.Cl.60Hz	IE4
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### Mechanical data

Torque (Nm)	29,54/24,62
Rotation speed (1/min)	970/1164
Bearing DE	6308.ZZ.C3
Bearing NDE	6308.ZZ.C3
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	1887
allow. Radial load (X0)	2125
allow. Radial load (Xmax)	1650
allow. Axial load B3,B5,B35,B14,B34	1725
allow. Axial load V1,V3,V19,V18	1675
Moment of inertia	0,03

### Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	1xM32x1,5 1xblind plug
Cable gland size (option)	M16x1,5
Cable gland type	Standard
Shaft end	38 x 80
Shaft material	C45
Specification NDE	Plastic fan

### Additional operating points

Voltage operating point 2	460/795
Power operating point 2 (kW)	3.6
Connection operating point 2	Δ/Y
Frequency operating point 2	60
Efficiency class operating point 2	IE3

### Additional option

Protection winding	PTC 150°C
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