

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12431906

Catalog # : E00136XP3WAX90SF3-W

Area classification : ZONA 1, GRUPO IIB, T4 (135 °C)

Frame	: 90S/L	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 1.1 kW (1.5 HP)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.32/2.50 A	Protection degree	: IP56
L. R. Amperes	: 27.6/16.0 A	Cooling method	: IC411 - TEFC
LRC	: 6.4	Mounting	: B3T
No load current	: 1.99/1.15 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2890 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 3.67 %	Starting method	: Direct On Line
Rated torque	: 2.68 ft.lb	Approx. weight ³	: 89.3 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0332 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	81.1	78.7	80.7	79.0	80.3	80.5	79.6	80.5	Max. traction	: 28 lb
	77.7	76.8	78.5	78.0	80.4	81.5	81.0	82.5		
Power Factor	0.40	0.36	0.67	0.62	0.77	0.74	0.84	0.80	Max. compression	: 117 lb
	0.33	0.35	0.58	0.61	0.71	0.72	0.79	0.79		

					<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:				6205 ZZ	6204 ZZ
Sealing	:				Oil Seal	Lip Seal
Lubrication interval	:				-	-
Lubricant amount	:				-	-
Lubricant type	:				Mobil Polyrex EM	

Notes:

EAC
EA3C RU C-BR.AA87.B.00379/20
1Ex db IIB T4 Gb X
ООО «НАННО ЦСВЭ»
IECEX
IECEX INE 22.0044X
Ex db IIB T4 Gb

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Space heater information

Voltage: 200 - 240 V

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