

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383721

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

Catalog # : E00236XP3WAX90LF3-W

Frame	: 90S/L	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 2.2 kW (3 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	: 8.17/4.73 A	Protection degree	: IP56
L. R. Amperes	: 53.9/31.2 A	Cooling method	: IC411 - TEFC
LRC	: 6.6	Mounting	: B3T
No load current	: 3.54/2.05 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2865 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 4.50 %	Starting method	: Direct On Line
Rated torque	: 5.41 ft.lb	Approx. weight ³	: 96.1 lb
Locked rotor torque	: 229 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0524 sq.ft.lb		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	83.7 82.5	83.5 83.6	83.2 83.6	Max. traction	: 90 lb
	82.2 82.5	83.4 84.0	83.9 85.5		
Power Factor	0.69 0.63	0.80 0.76	0.85 0.83	Max. compression	: 186 lb
	0.59 0.61	0.72 0.74	0.80 0.81		

		<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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Date	27/03/2024			

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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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