

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383781

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

Catalog # : E00118XP3WAX90LF3-W

Frame	: 90S/L	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 1.1 kW (1.5 HP)	Temperature rise	: 80 K
Poles	: 4	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	: 4.42/2.56 A	Protection degree	: IP56
L. R. Amperes	: 27.4/15.9 A	Cooling method	: IC411 - TEFC
LRC	: 6.2	Mounting	: B3T
No load current	: 2.68/1.55 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1455 rpm	Noise level <sup>2</sup>	: 49.0 dB(A)
Slip	: 3.00 %	Starting method	: Direct On Line
Rated torque	: 5.33 ft.lb	Approx. weight <sup>3</sup>	: 92.9 lb
Locked rotor torque	: 190 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.1431 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	80.7	79.7	80.9	80.0	81.5	81.8	81.5	81.8	Max. traction	: 87 lb
	78.4	78.5	79.2	80.0	81.5	82.5	82.1	84.0		
Power Factor	0.33	0.29	0.59	0.53	0.71	0.68	0.80	0.78	Max. compression	: 179 lb
	0.27	0.28	0.51	0.51	0.65	0.66	0.76	0.73		

				<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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