

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383843

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

Catalog # : E0.7512XP3WAX90LF3-W

Frame	: 90S/L	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 0.75 kW (1 HP)	Temperature rise	: 80 K
Poles	: 6	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	: 3.42/1.98 A	Protection degree	: IP56
L. R. Amperes	: 14.7/8.51 A	Cooling method	: IC411 - TEFC
LRC	: 4.3	Mounting	: B3T
No load current	: 1.73/1.00 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 935 rpm	Noise level <sup>2</sup>	: 45.0 dB(A)
Slip	: 6.50 %	Starting method	: Direct On Line
Rated torque	: 5.65 ft.lb	Approx. weight <sup>3</sup>	: 93.3 lb
Locked rotor torque	: 180 %		
Breakdown torque	: 190 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.1236 sq.ft.lb		
Design	: N		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	75.4	74.0	75.8	74.5	75.9	76.0	75.9	76.0	Max. traction	: 56 lb
	72.1	72.3	73.2	74.0	75.6	78.5	76.4	80.0		
Power Factor	0.33	0.30	0.55	0.51	0.68	0.64	0.76	0.73	Max. compression	: 150 lb
	0.28	0.29	0.48	0.48	0.61	0.60	0.71	0.69		

					<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:

ATEX  
 INERIS 22ATEX0025X  
 CML 23UKEX1256X  
 II 2G Ex db IIB T4 Gb  
 EAC  
 EA3C RU C-BR.AA87.B.00379/20  
 1Ex db IIB T4 Gb X  
 ООО «НАИО ЛЦБЭ»  
 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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