

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383853

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

Catalog # : E02212XP3YAX200LF3-W

Frame	: 200M/L	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 22 kW (30 HP)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380/660 V	Altitude	: 1000 m.a.s.l.
Rated current	: 43.6/25.1 A	Protection degree	: IP56
L. R. Amperes	: 262/151 A	Cooling method	: IC411 - TEFC
LRC	: 6.0	Mounting	: B3T
No load current	: 18.0/10.4 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 970 rpm	Noise level <sup>2</sup>	: 60.0 dB(A)
Slip	: 3.00 %	Starting method	: Direct On Line
Rated torque	: 160 ft.lb	Approx. weight <sup>3</sup>	: 722 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 9.58 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	92.3	91.4	92.0	91.4	91.8	91.7	91.2	91.5	Max. traction	: 1207 lb
	90.5	90.2	90.8	91.0	91.5	91.7	91.6	92.4		
Power Factor	0.43	0.39	0.70	0.65	0.79	0.76	0.84	0.82	Max. compression	: 1928 lb
	0.36	0.37	0.61	0.62	0.73	0.75	0.80	0.81		

					<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:				6312 C3	6212 C3
Sealing	:				Oil Seal	Lip Seal
Lubrication interval	:				20000 h	20000 h
Lubricant amount	:				21 g	13 g
Lubricant type	:				Mobil Polyrex EM	

### Notes:

ATEX  
 INERIS 22ATEX0025X  
 CML 23UKEX1256X  
 II 2G Ex db IIB T4 Gb  
 EAC  
 EAЭC 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	27/03/2024			
			Page	Revision
			1 / 2	

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	27/03/2024				