

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13789657

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

Catalog # : E02218XP3YAX180LF3-W

Frame	: 180M/L	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 22 kW (30 HP)	Temperature rise	: 80 K
Poles	: 4	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	: 42.8/24.6 A	Protection degree	: IP56
L. R. Amperes	: 282/163 A	Cooling method	: IC411 - TEFC
LRC	: 6.6	Mounting	: B3T
No load current	: 17.5/10.1 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1474 rpm	Noise level ²	: 61.0 dB(A)
Slip	: 1.73 %	Starting method	: Direct On Line
Rated torque	: 105 ft.lb	Approx. weight ³	: 621 lb
Locked rotor torque	: 260 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 4.76 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	92.4	91.6	92.1	91.6	92.4	92.5	91.9	92.3	Max. traction	: 1173 lb
	91.1	91.6	91.3	91.7	92.4	92.4	92.4	92.4		
Power Factor	0.44	0.40	0.71	0.66	0.81	0.78	0.85	0.83	Max. compression	: 1794 lb
	0.36	0.38	0.60	0.63	0.74	0.75	0.81	0.81		

					<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:				6311 C3	6309 C3
Sealing	:				Oil Seal	Lip Seal
Lubrication interval	:				20000 h	20000 h
Lubricant amount	:				18 g	13 g
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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