

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12430562

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

Catalog # : E03712XP3YAX250SMF3W

Frame	: 250S/M	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 37 kW (50 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	: 69.8/40.2 A	Protection degree	: IP56
L. R. Amperes	: 433/249 A	Cooling method	: IC411 - TEFC
LRC	: 6.2	Mounting	: B3T
No load current	: 21.0/12.1 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 980 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 2.00 %	Starting method	: Direct On Line
Rated torque	: 266 ft.lb	Approx. weight ³	: 1339 lb
Locked rotor torque	: 190 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 26.2 sq.ft.lb		
Design	: N		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	92.2	92.6	92.4	92.8	92.6	93.0	92.6	93.0	Max. traction	: 1180 lb
	92.5	92.3	92.7	92.4	93.2	93.0	93.2	93.0		
Power Factor	0.53	0.49	0.77	0.73	0.84	0.82	0.87	0.86	Max. compression	: 2519 lb
	0.45	0.46	0.70	0.70	0.80	0.82	0.85	0.86		

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6314 C3
Sealing	:	Viton Oil Seal	Viton Oil Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	27 g	27 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 16.0060X
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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