

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13391968
Catalog # : E01536XP3YAX160MF3-W

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

Frame	: 160M/L	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 15 kW (20 HP)	Temperature rise	: 80 K
Poles	: 2	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	: 28.5/16.4 A	Protection degree	: IP56
L. R. Amperes	: 200/115 A	Cooling method	: IC411 - TEFC
LRC	: 7.0	Mounting	: B3T
No load current	: 8.60/4.95 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2940 rpm	Noise level ²	: 67.0 dB(A)
Slip	: 2.00 %	Starting method	: Direct On Line
Rated torque	: 36.0 ft.lb	Approx. weight ³	: 444 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 1.23 sq.ft.lb		
Design	: N		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	91.6	90.8	91.4	91.0	91.3	91.3	90.9	91.3	Max. traction	: 306 lb
	90.3	89.4	90.6	90.2	91.2	91.0	91.4	91.7		
Power Factor	0.52	0.47	0.76	0.71	0.84	0.81	0.88	0.86	Max. compression	: 749 lb
	0.44	0.45	0.67	0.68	0.78	0.80	0.84	0.86		

		Drive end	Non drive end
Bearing type	:	6309 C3	6308 C3
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	11 g
Lubricant type	:	Mobil Polyrex EM	

Notes:

EAC
EA3C RU C-BR.AA87.B.00379/20
1Ex db IIB T4 Gb X
ООО «НАНИО 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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