

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 14247248
Catalog # : E00712XP3YAX160MF3-W

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

Frame	: 160M/L	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 7.5 kW (10 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	: 15.7/9.04 A	Protection degree	: IP56
L. R. Amperes	: 78.5/45.2 A	Cooling method	: IC411 - TEFC
LRC	: 5.0	Mounting	: B3T
No load current	: 6.40/3.68 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 965 rpm	Noise level ²	: 57.0 dB(A)
Slip	: 3.50 %	Starting method	: Direct On Line
Rated torque	: 54.8 ft.lb	Approx. weight ³	: 402 lb
Locked rotor torque	: 180 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 2.92 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	89.3	88.4	88.7	88.3	88.6	88.7	87.7	88.3	Max. traction	: 424 lb
	87.6	88.3	87.8	88.5	88.6	89.5	88.5	89.5		
Power Factor	0.43	0.39	0.68	0.64	0.78	0.76	0.83	0.82	Max. compression	: 827 lb
	0.36	0.37	0.61	0.61	0.73	0.74	0.80	0.80		

		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 «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.

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

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				