

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383860

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

Catalog # : E11012XP3YAX315SMF3W

Frame : 315S/M
Output : 110 kW (150 HP)
Poles : 6
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 208/120 A
L. R. Amperes : 1269/731 A
LRC : 6.1
No load current : 69.8/40.2 A
Rated speed : 990 rpm
Slip : 1.00 %
Rated torque : 783 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 129 sq.ft.lb
Design : N

Locked rotor time : 36s (cold) 20s (hot)
Temperature rise : 80 K
Duty cycle : S1
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP56
Cooling method : IC411 - TEFC
Mounting : B3T
Rotation¹ : Both (CW and CCW)
Noise level² : 67.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 2743 lb

Output	25%	50%	75%	100%			
Efficiency (%)	95.0	94.5	94.7	94.5	94.9	94.5	94.8
Power Factor	0.50	0.46	0.76	0.72	0.82	0.80	0.85
	0.43	0.44	0.69	0.69	0.78	0.80	0.83

Foundation loads
Max. traction : 2379 lb
Max. compression : 5123 lb

	Drive end	Non drive end
Bearing type	6319 C3	6316 C3
Sealing	Viton Oil Seal	Viton Oil Seal
Lubrication interval	16000 h	18000 h
Lubricant amount	45 g	34 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 16.0044X
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 1 / 2
Revision

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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

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