

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383759

Catalog # : E16036XP3YAX315SMF3W

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

Frame : 315S/M
Output : 160 kW (220 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 287/165 A
L. R. Amperes : 2066/1190 A
LRC : 7.2
No load current : 65.5/37.7 A
Rated speed : 2970 rpm
Slip : 1.00 %
Rated torque : 380 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 53.3 sq.ft.lb
Design : N

Locked rotor time : 68s (cold) 38s (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 : 77.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 2743 lb

Output	25%		50%		75%		100%	
Efficiency (%)	94.8	94.7	94.9	94.8	95.2	95.3	95.2	95.3
	94.6	89.6	94.7	91.0	95.3	93.6	95.3	95.0
Power Factor	0.61	0.56	0.83	0.80	0.88	0.87	0.89	0.89
	0.54	0.54	0.78	0.77	0.86	0.86	0.88	0.88

Foundation loads
Max. traction : 1048 lb
Max. compression : 3792 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	Viton Oil Seal	Viton Oil Seal
Lubrication interval	5000 h	5000 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 16.0044X
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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