

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13218082
Catalog # : E01136XP3YAX160MF3-W

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

Frame : 160M/L
Output : 11 kW (15 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 21.1/12.1 A
L. R. Amperes : 148/85.0 A
LRC : 7.0
No load current : 7.20/4.15 A
Rated speed : 2940 rpm
Slip : 2.00 %
Rated torque : 26.4 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 1.06 sq.ft.lb
Design : N

Locked rotor time : 19s (cold) 11s (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 : 399 lb

Output	25%	50%	75%	100%				
Efficiency (%)	90.5	89.9	90.3	90.0	90.5	90.6	90.1	90.5
	89.3	88.7	89.6	89.5	90.5	90.2	90.6	91.0
Power Factor	0.50	0.45	0.75	0.71	0.85	0.82	0.88	0.86
	0.42	0.43	0.67	0.69	0.79	0.80	0.84	0.85

Foundation loads
Max. traction : 208 lb
Max. compression : 607 lb

	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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