

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12383751

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

Catalog # : E03736XP3YAX200LF3-W

Frame : 200M/L
Output : 37 kW (50 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 69.5/40.0 A
L. R. Amperes : 528/304 A
LRC : 7.6
No load current : 24.0/13.8 A
Rated speed : 2965 rpm
Slip : 1.17 %
Rated torque : 87.9 ft.lb
Locked rotor torque : 290 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 4.63 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 : 72.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 789 lb

Output	25%		50%		75%		100%	
Efficiency (%)	91.8	91.9	92.0	92.3	93.0	93.0	93.0	93.3
	91.7	90.7	92.0	91.1	93.4	92.7	93.5	93.0
Power Factor	0.50	0.45	0.76	0.70	0.84	0.80	0.87	0.85
	0.39	0.40	0.63	0.60	0.76	0.78	0.82	0.83

Foundation loads
Max. traction : 639 lb
Max. compression : 1429 lb

	Drive end	Non drive end
Bearing type	: 6312 C3	6212 C3
Sealing	: Oil Seal	Lip Seal
Lubrication interval	: 15000 h	18000 h
Lubricant amount	: 21 g	13 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.

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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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