

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13585580
Catalog # : E00336XP3WAX100LF3-W

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

Frame : 100L
Output : 3 kW (4 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 220/380 V
Rated current : 10.5/6.09 A
L. R. Amperes : 78.9/45.7 A
LRC : 7.5
No load current : 4.06/2.35 A
Rated speed : 2905 rpm
Slip : 3.17 %
Rated torque : 7.28 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 310 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.1521 sq.ft.lb
Design : N

Locked rotor time : 12s (cold) 7s (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 : 122 lb

Output	25%	50%	75%	100%				
Efficiency (%)	84.7	83.7	84.9	84.0	85.0	85.0	85.0	85.0
Power Factor	0.48	0.43	0.75	0.70	0.85	0.81	0.88	0.86
	0.39	0.41	0.66	0.67	0.78	0.79	0.84	0.85

Foundation loads
Max. traction : 135 lb
Max. compression : 257 lb

	Drive end	Non drive end
Bearing type	6206 ZZ	6205 ZZ
Sealing	Oil Seal	Lip Seal
Lubrication interval	-	-
Lubricant amount	-	-
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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