

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13484960
Catalog # : E00158XP3WAX100LF3-W

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

Frame : 100L
Output : 1.5 kW (2 HP)
Poles : 4
Frequency : 50 Hz
Rated voltage : 220/380 V
Rated current : 5.73/3.32 A
L. R. Amperes : 37.8/21.9 A
LRC : 6.6
No load current : 2.59/1.50 A
Rated speed : 1415 rpm
Slip : 5.67 %
Rated torque : 7.47 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.1597 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 : 53.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 115 lb

Output	25%		50%		75%		100%	
Efficiency (%)	82.1	82.1	82.5	82.5	82.8	83.2	82.8	83.2
	81.1	81.1	81.9	81.5	83.2	84.0	83.7	84.0
Power Factor	0.41	0.37	0.66	0.62	0.77	0.74	0.83	0.81
	0.34	0.36	0.58	0.59	0.71	0.71	0.79	0.78

Foundation loads
Max. traction : 109 lb
Max. compression : 224 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 «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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	27/03/2024			

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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				