

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 14078525

Catalog # : E25018XP3YAX355MLF3W

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

Frame : 355M/L
Output : 250 kW (340 HP)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 462/266 A
L. R. Amperes : 2911/1676 A
LRC : 6.3
No load current : 108/62.2 A
Rated speed : 1490 rpm
Slip : 0.67 %
Rated torque : 1180 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 171 sq.ft.lb
Design : N

Locked rotor time : 32s (cold) 18s (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 : 76.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 4459 lb

Output	25%	50%	75%	100%				
Efficiency (%)	95.5	95.3	95.6	95.4	95.7	95.8	95.7	95.8
	93.9	94.6	94.2	95.0	95.7	95.4	95.8	95.8
Power Factor	0.59	0.56	0.81	0.79	0.85	0.84	0.86	0.86
	0.54	0.54	0.77	0.77	0.83	0.83	0.85	0.85

Foundation loads
Max. traction : 3081 lb
Max. compression : 7540 lb

	Drive end	Non drive end
Bearing type	6322 C3	6319 C3
Sealing	Viton Oil Seal	Viton Oil Seal
Lubrication interval	9000 h	11000 h
Lubricant amount	60 g	45 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	27/03/2024			

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Revision

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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