

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12431947

Catalog # : E20036XP3YAX355MLF3W

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

Frame	: 355M/L	Locked rotor time	: 126s (cold) 70s (hot)
Output	: 200 kW (270 HP)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380/660 V	Altitude	: 1000 m.a.s.l.
Rated current	: 354/204 A	Protection degree	: IP56
L. R. Amperes	: 2655/1529 A	Cooling method	: IC411 - TEFC
LRC	: 7.5	Mounting	: B3T
No load current	: 60.0/34.5 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2982 rpm	Noise level ²	: 80.0 dB(A)
Slip	: 0.60 %	Starting method	: Direct On Line
Rated torque	: 473 ft.lb	Approx. weight ³	: 4195 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 94.6 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%)	93.5	94.7	93.9	94.8	95.2	95.5	Max. traction : 258 lb
	92.9	91.1	93.5	92.4	95.1	94.1	
Power Factor	0.68	0.63	0.87	0.83	0.89	0.88	Max. compression : 4453 lb
	0.64	0.66	0.85	0.86	0.89	0.91	

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6316 C3	6314 C3
Sealing	:	Viton Oil Seal	Viton Oil Seal
Lubrication interval	:	4000 h	5000 h
Lubricant amount	:	34 g	27 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.

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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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