

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12434207

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

Catalog # : E20012XP3YAX355MLF3W

Frame	: 355M/L	Locked rotor time	: 153s (cold) 85s (hot)
Output	: 200 kW (270 HP)	Temperature rise	: 80 K
Poles	: 6	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	: 387/223 A	Protection degree	: IP56
L. R. Amperes	: 2361/1359 A	Cooling method	: IC411 - TEFC
LRC	: 6.1	Mounting	: B3T
No load current	: 140/80.6 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 993 rpm	Noise level <sup>2</sup>	: 73.0 dB(A)
Slip	: 0.70 %	Starting method	: Direct On Line
Rated torque	: 1420 ft.lb	Approx. weight <sup>3</sup>	: 4660 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 258 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	94.8	95.0	95.0	95.1	95.6	95.5	95.7	95.5	Max. traction	: 3798 lb
	94.0	92.4	94.4	93.0	95.4	95.4	95.7	95.8		
Power Factor	0.46	0.40	0.70	0.64	0.79	0.75	0.82	0.80	Max. compression	: 8458 lb
	0.38	0.38	0.62	0.62	0.73	0.74	0.79	0.79		

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6322 C3	6319 C3
Sealing	:	Viton Oil Seal	Viton Oil Seal
Lubrication interval	:	13000 h	16000 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.

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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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