

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13585579
Catalog # : E00436XP3YAX112MF3-W

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

Frame	: 112M	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 4 kW (5.5 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	: 7.87/4.53 A	Protection degree	: IP56
L. R. Amperes	: 52.7/30.4 A	Cooling method	: IC411 - TEFC
LRC	: 6.7	Mounting	: B3T
No load current	: 2.60/1.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 2875 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 4.17 %	Starting method	: Direct On Line
Rated torque	: 9.81 ft.lb	Approx. weight ³	: 157 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.2079 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	86.5	84.7	86.6	85.3	86.0	85.9	85.8	86.3	Max. traction	: 101 lb
	82.8	84.0	86.5	87.5						
Power Factor	0.52	0.44	0.78	0.69	0.87	0.80	0.90	0.86	Max. compression	: 258 lb
	0.46	0.71	0.82	0.87						

		Drive end	Non drive end
Bearing type	:	6207 ZZ	6206 ZZ
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

ATEX
INERIS 22ATEX0025X
CML 23UKEX1256X
II 2G Ex db IIB T4 Gb
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.

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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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