

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE3 Three-Phase

Product code : 12431122
Catalog # : E00512XT3YAX132MF3-W

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

Frame	: 132S/M	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 5.5 kW (7.5 HP)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380-400-415/660-690 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.6-12.9-12.4/7.82-7.48 A	Protection degree	: IP56
L. R. Amperes	: 99.1-94.2-90.8/57.1-54.6 A	Cooling method	: IC411 - TEFC
LRC	: 7.3	Mounting	: B3T
No load current	: 8.00-7.60-7.33/4.61-4.41 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 970 rpm	Noise level ²	: 53.0 dB(A)
Slip	: 3.00 %	Starting method	: Direct On Line
Rated torque	: 40.0 ft.lb	Approx. weight ³	: 261 lb
Locked rotor torque	: 260 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 1.79 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	86.2	86.5	88.0	88.0	Max. traction : 500 lb
Power Factor	0.29	0.50	0.64	0.70	Max. compression : 762 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
12.9	11.2	11.3	6.3	4.7	3.3	2.5

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6207 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 «НАИО ЛСБЭ»
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.

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			

Page 1 / 3
Revision

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Customer :

(4) At 100% of full load.

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

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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

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 3 / 3		Revision
Checked by				
Date	27/03/2024			