

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12430449

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

Catalog # : E00312XP3YAX132SF3-W

Frame : 132S/M
Output : 3 kW (4 HP)
Poles : 6
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 7.39/4.25 A
L. R. Amperes : 42.1/24.3 A
LRC : 5.7
No load current : 3.80/2.19 A
Rated speed : 960 rpm
Slip : 4.00 %
Rated torque : 22.0 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.8510 sq.ft.lb
Design : N

Locked rotor time : 41s (cold) 23s (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 : 53.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 219 lb

Output	25%		50%		75%		100%	
Efficiency (%)	83.5	82.2	83.4	82.5	83.8	83.6	83.3	83.6
	80.6	79.4	81.4	82.5	83.1	84.0	83.6	87.5
Power Factor	0.32	0.29	0.54	0.50	0.67	0.63	0.74	0.71
	0.26	0.28	0.46	0.47	0.59	0.60	0.68	0.68

Foundation loads
Max. traction : 176 lb
Max. compression : 394 lb

	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 «НАМИО ЛЦБЭ»
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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