

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12430195

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

Catalog # : E04536XP3YAX225SMF3W

Frame : 225S/M
Output : 45 kW (60 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 81.8/47.1 A
L. R. Amperes : 556/320 A
LRC : 6.8
No load current : 20.0/11.5 A
Rated speed : 2955 rpm
Slip : 1.50 %
Rated torque : 107 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 5.91 sq.ft.lb
Design : N

Locked rotor time : 12s (cold) 7s (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 : 75.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 1170 lb

Output	25%		50%		75%		100%	
Efficiency (%)	91.9	92.5	92.2	92.5	92.8	93.0	92.9	92.9
	92.1	91.5	92.4	91.7	92.9	93.0	93.1	93.0
Power Factor	0.60	0.56	0.83	0.79	0.88	0.86	0.90	0.89
	0.52	0.53	0.76	0.76	0.84	0.86	0.88	0.89

Foundation loads
Max. traction : 388 lb
Max. compression : 1558 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	Viton Oil Seal	Viton Oil Seal
Lubrication interval	5000 h	5000 h
Lubricant amount	27 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 16.0060X
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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