

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof NEMA Premium
Efficiency Three-Phase

Product code : 11485689

Catalog # : 02509XT3E326T

Frame : 326T
Output : 25 HP (18.5 kW)
Poles : 8
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 70.8/35.4 A
L. R. Amperes : 361/181 A
LRC : 5.1x(Code G)
No load current : 40.7/20.4 A
Rated speed : 885 rpm
Slip : 1.67 %
Rated torque : 148 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 240 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 11.9 sq.ft.lb
Design : B

Locked rotor time : 36s (cold) 20s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 56.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 682 lb

Output	25%		50%		75%		100%	
Efficiency (%)	90.8	92.0	91.0	91.0	92.4	91.7	92.4	90.2
	89.9	89.2	90.2	89.5	91.0	91.0	91.0	91.0
Power Factor	0.29	0.34	0.51	0.58	0.63	0.69	0.71	0.75
	0.31	0.28	0.53	0.50	0.65	0.62	0.73	0.70

Foundation loads
Max. traction : 1247 lb
Max. compression : 1928 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6312 2RS C3	6212 2RS C3
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

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 NEMA MG-1.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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