

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase  
Product code : 12700712  
Catalog # : 05018ET3E326T-W22G

Frame : 324/6T	Cooling method : IC411 - TEFC
Insulation class : F	Mounting : F-1
Duty cycle : Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)
Ambient temperature : -20°C to +40°C	Starting method : Direct On Line
Altitude : 1000 m.a.s.l.	Approx. weight <sup>2</sup> : 599 lb
Protection degree : IP55	Moment of inertia (J)
Design : B	

Output [HP]	50	50
Poles	4	4
Frequency [Hz]	60	50
Rated voltage [V]	208-230/460	380
Rated current [A]	131-118/59.2	71.1
L. R. Amperes [A]	812-732/367	370
LRC [A]	6.2x(Code G)	5.2x(Code E)
No load current [A]	40.5-47.0/23.5	25.7
Rated speed [RPM]	1775	1465
Slip [%]	1.39	2.33
Rated torque [ft.lb]	146	177
Locked rotor torque [%]	229	180
Breakdown torque [%]	270	210
Service factor	1.25	1.25
Temperature rise	80 K	80 K
Locked rotor time	27s (cold) 15s (hot)	19s (cold) 11s (hot)
Noise level <sup>2</sup>	66.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%	0.000
	50%	93.0
	75%	94.1
	100%	94.5
Power Factor	25%	0.00
	50%	0.66
	75%	0.77
	100%	0.83

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6312 C3	6212 C3	Max. traction : 1126 lb
Sealing :	V'Ring	V'Ring	Max. compression : 1724 lb
Lubrication interval :	20000 h	20000 h	
Lubricant amount :	21 g	13 g	
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	19/01/2018			

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Revision