

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
Output : 50 HP (37 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 131-118/59.2 A
L. R. Amperes : 812-732/367 A
LRC : 6.2x(Code G)
No load current : 40.5-47.0/23.5 A
Rated speed : 1775 rpm
Slip : 1.39 %
Rated torque : 148 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 9.16 sq.ft.lb
Design : B

Locked rotor time : 27s (cold) 15s (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 : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 600 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	93.0	93.0	94.1	93.0	94.5	92.4	
Power Factor	0.00	0.00	0.66	0.72	0.77	0.81	0.83	0.85

Foundation loads
Max. traction : 1150 lb
Max. compression : 1749 lb

	Drive end	Non drive end
Bearing type	6312 C3	6212 C3
Sealing	V'Ring	V'Ring
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		Page 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		