

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12693676

Catalog # : 07518ET3E365T-W22G

Frame : 364/5T  
 Output : 75 HP (55 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 208-230/460 V  
 Rated current : 186-174/87.2 A  
 L. R. Amperes : 1190-1114/558 A  
 LRC : 6.4x(Code G)  
 No load current : 56.9-66.0/33.0 A  
 Rated speed : 1780 rpm  
 Slip : 1.11 %  
 Rated torque : 221 ft.lb  
 Locked rotor torque : 240 %  
 Breakdown torque : 260 %  
 Insulation class : F  
 Service factor : 1.25  
 Moment of inertia (J) : 23.3 sq.ft.lb  
 Design : B

Locked rotor time : 25s (cold) 14s (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  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 67.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 939 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	94.5	94.5	95.0	94.1	95.4	93.6	
	0.000							
Power Factor	0.00	0.00	0.68	0.75	0.78	0.82	0.83	0.84

Foundation loads  
 Max. traction : 1365 lb  
 Max. compression : 2304 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6314 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	12000 h	12000 h
Lubricant amount	:	27 g	27 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	