

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 14385525

Catalog # : 06012ET3H404T-W22G

Frame : 404/5T  
 Output : 60 HP (45 kW)  
 Poles : 6  
 Frequency : 60 Hz  
 Rated voltage : 575 V  
 Rated current : 55.6 A  
 L. R. Amperes : 395 A  
 LRC : 7.1x(Code H)  
 No load current : 20.0 A  
 Rated speed : 1185 rpm  
 Slip : 1.25 %  
 Rated torque : 266 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 229 %  
 Insulation class : F  
 Service factor : 1.25  
 Moment of inertia (J) : 36.9 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  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 68.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 1135 lb

Output 25% 50% 75% 100%

Efficiency (%) 94.0 94.1 94.5 94.5  
 Power Factor 0.48 0.74 0.82 0.86

Foundation loads

Max. traction : 1268 lb  
 Max. compression : 2403 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
5.6	4.6	4.3	2.6	1.8	1.1	0.7

	Drive end	Non drive end
Bearing type :	6316 C3	6314 C3
Sealing :	WSeal	WSeal
Lubrication interval :	16000 h	17000 h
Lubricant amount :	34 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 Revision 1 / 1		
Checked by				
Date	26/03/2024			