

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Standard Efficiency Three-Phase

Product code :

12782230

Catalog # :

06012ES3EOW405T-W22

Frame : 404/5T
Output : 60 HP (45 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 175-159/79.3 A
L. R. Amperes : 1070-967/484 A
LRC : 6.1x(Code H)
No load current : 85.1-77.0/38.5 A
Rated speed : 1145 rpm
Slip : 4.58 %
Rated torque : 275 ft.lb
Locked rotor torque : 320 %
Breakdown torque : 0 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 38.1 sq.ft.lb
Design : D

Locked rotor time : 41s (cold) 23s (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-2
Rotation¹ : Both (CW and CCW)
Noise level² : 68.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 1216 lb

Output	25%	50%	75%	100%
Efficiency (%)	86.3	87.5	88.5	89.5
Power Factor	0.39	0.64	0.75	0.80

Foundation loads
Max. traction : -608 lb
Max. compression : 608 lb

	Drive end	Non drive end
Bearing type :	NU-316 C3	6314 C3
Sealing :	WSeal	WSeal
Lubrication interval :	12000 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 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		