

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP NEMA  
Premium Efficiency Three-Phase

Product code : 13506429

Catalog # : 04036ET3H286JP-W22

Frame : 284/6JP  
Output : 40 HP (30 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 36.6 A  
L. R. Amperes : 289 A  
LRC : 7.9x(Code J)  
No load current : 9.71 A  
Rated speed : 3540 rpm  
Slip : 1.67 %  
Rated torque : 59.3 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 300 %  
Insulation class : F  
Service factor : 1.00  
Moment of inertia (J) : 3.21 sq.ft.lb  
Design : A

Locked rotor time : 18s (cold) 10s (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> : 72.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 437 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	91.7	92.4	92.4
Power Factor	0.00	0.80	0.86	0.89

Foundation loads

Max. traction : 558 lb  
Max. compression : 994 lb

	Drive end	Non drive end
Bearing type	6311 C3	6211 C3
Sealing	V'Ring	V'Ring
Lubrication interval	14000 h	17000 h
Lubricant amount	18 g	11 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	30/03/2024			
		Revision		