

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump NEMA Premium  
Efficiency Three-Phase

Product code : 14243692

Catalog # : 01036OT3E213JP-SG

Frame : 213/5JP  
Output : 10 HP (7.5 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 24.0/12.0 A  
L. R. Amperes : 163/81.6 A  
LRC : 6.8x(Code H)  
No load current : 9.32/4.66 A  
Rated speed : 3535 rpm  
Slip : 1.81 %  
Rated torque : 14.9 ft.lb  
Locked rotor torque : 200 %  
Breakdown torque : 280 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.4651 sq.ft.lb  
Design : B

Locked rotor time : 19s (cold) 11s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 66.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 129 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.3	91.2	88.5	89.4	89.5	88.6	89.5	86.5
	89.9		89.0		89.1		87.9	
Power Factor	0.47	0.53	0.74	0.80	0.84	0.88	0.88	0.91
	0.45		0.73		0.84		0.89	

Foundation loads  
Max. traction : 188 lb  
Max. compression : 317 lb

	Drive end	Non drive end
Bearing type :	6209 ZZ	6206 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	-	-
Lubricant amount :	-	-
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	29/03/2024			
		Revision		