

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13501068

Catalog # : 04036OT3V286JP

Frame : 286JP
Output : 40 HP (30 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 200/400 V
Rated current : 108/54.2 A
L. R. Amperes : 693/347 A
LRC : 6.4x(Code G)
No load current : 36.8/18.4 A
Rated speed : 3550 rpm
Slip : 1.39 %
Rated torque : 59.2 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 2.36 sq.ft.lb
Design : B

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 : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 73.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 373 lb

Output	25%	50%	75%	100%
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Efficiency (%)	91.5	91.7	93.0	93.0
Power Factor	0.49	0.74	0.83	0.86

Foundation loads

Max. traction : 484 lb
Max. compression : 857 lb

	Drive end	Non drive end
Bearing type	6311 Z C3	6211 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 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 Revision 1 / 1		
Checked by				
Date	28/03/2024			