

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 11168045

Catalog # : 03036OT3H284JM

Frame : 284JM
Output : 30 HP (22 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 28.0 A
L. R. Amperes : 176 A
LRC : 6.3x(Code G)
No load current : 10.3 A
Rated speed : 3550 rpm
Slip : 1.39 %
Rated torque : 44.4 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.89 sq.ft.lb
Design : B

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 : IP23
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 72.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 346 lb

Output	25%	50%	75%	100%
--------	-----	-----	-----	------

Efficiency (%)	90.0	90.2	91.7	91.7
Power Factor	0.47	0.73	0.82	0.86

Foundation loads

Max. traction : 330 lb
Max. compression : 676 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 1 / 1		
Checked by				
Date	28/03/2024			
		Revision		