

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13501030

Catalog # : 01512OT3E284JPV

Frame : 284JP
Output : 15 HP (11 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 35.4/17.7 A
L. R. Amperes : 234/117 A
LRC : 6.6x(Code G)
No load current : 14.4/7.20 A
Rated speed : 1180 rpm
Slip : 1.67 %
Rated torque : 66.8 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 5.56 sq.ft.lb
Design : B

Locked rotor time : 21s (cold) 12s (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 : W-6
Rotation¹ : Both (CW and CCW)
Noise level² : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 346 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.7	88.6	89.5	89.5	91.0	89.5	91.7	90.3
	89.2	89.2	89.5	89.5	90.2	90.2	90.3	90.3
Power Factor	0.46	0.52	0.72	0.77	0.81	0.84	0.85	0.87
	0.48	0.45	0.74	0.72	0.82	0.81	0.86	0.85

Foundation loads
Max. traction : 738 lb
Max. compression : 1084 lb

		<u>Drive end</u>	<u>Non drive end</u>
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				
Checked by				
Date	28/03/2024			

Page 1 / 1
Revision