

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

11770915

Catalog # :

03036OP3EFP284TS

Frame : 284TS
Output : 30 HP (22 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 69.0/34.5 A
L. R. Amperes : 428/214 A
LRC : 6.2x(Code G)
No load current : 18.2/9.10 A
Rated speed : 3540 rpm
Slip : 1.67 %
Rated torque : 44.5 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.68 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 : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 72.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 315 lb

Output	25%	50%	75%	100%
Efficiency (%)	90.9	89.1	91.0	88.5
	89.1	88.2	88.5	88.5
Power Factor	0.57	0.66	0.80	0.85
	0.62	0.58	0.82	0.80

Foundation loads
Max. traction : 382 lb
Max. compression : 696 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				
Checked by				
Date	30/03/2024			

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Revision