

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

11770912

Catalog # :

02518OP3EFP284TS

Frame : 284TS
Output : 25 HP (18.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 60.2/30.1 A
L. R. Amperes : 361/181 A
LRC : 6.0x(Code G)
No load current : 23.0/11.5 A
Rated speed : 1765 rpm
Slip : 1.94 %
Rated torque : 74.4 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 2.77 sq.ft.lb
Design : B

Locked rotor time : 23s (cold) 13s (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 : 62.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 317 lb

Output	25%	50%	75%	100%
Efficiency (%)	90.8	89.6	91.0	88.5
	91.7	90.2	91.7	88.5
	89.1	89.8	88.5	89.5
	89.5	89.5	90.2	88.5
	89.5			
Power Factor	0.45	0.52	0.70	0.75
	0.79	0.83	0.84	0.85
	0.48	0.45	0.72	0.69
	0.81	0.79	0.84	0.83

Foundation loads
Max. traction : 707 lb
Max. compression : 1024 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			

Page 1 / 1
Revision