

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code :

12421741

Catalog # :

04036OP3HFP286TS

Frame : 286TS
Output : 40 HP (30 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 37.4 A
L. R. Amperes : 232 A
LRC : 6.2x(Code G)
No load current : 10.4 A
Rated speed : 3545 rpm
Slip : 1.53 %
Rated torque : 59.3 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 2.16 sq.ft.lb
Design : B

Locked rotor time : 48s (cold) 27s (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 : 353 lb

Output	25%	50%	75%	100%
Efficiency (%)	91.6	91.7	91.7	91.7
Power Factor	0.55	0.79	0.86	0.88

Foundation loads
Max. traction : 366 lb
Max. compression : 719 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	30/03/2024			
		Revision		