

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

15676555

Catalog # :

03030OP3OFP284TS-W40

Frame : 284TS
Output : 30 HP (22 kW)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 42.2 A
L. R. Amperes : 249 A
LRC : 5.9x(Code F)
No load current : 12.2 A
Rated speed : 2936 rpm
Slip : 2.13 %
Rated torque : 53.7 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.76 sq.ft.lb
Design : B

Locked rotor time : 48s (cold) 27s (hot)
Temperature rise : 70 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +50°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 : 324 lb

Output	25%		50%		75%		100%	
Efficiency (%)	86.0	86.0	90.8	90.8	91.0	91.0	91.0	91.0
	86.0		91.0		91.0		91.0	
Power Factor	0.54	0.48	0.77	0.73	0.84	0.81	0.87	0.85
	0.44		0.69		0.79		0.84	

Foundation loads

Max. traction

Max. compression

	Drive end	Non drive end
Bearing type	6311 Z C3	6211 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	4500 h	4500 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	26/03/2024			
			Page	Revision
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