

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

15676556

Catalog # :

04030OP3OFP286TS-W40

Frame : 284/6TS
Output : 40 HP (30 kW)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 56.5 A
L. R. Amperes : 333 A
LRC : 5.9x(Code F)
No load current : 14.3 A
Rated speed : 2932 rpm
Slip : 2.27 %
Rated torque : 71.6 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 2.25 sq.ft.lb
Design : B

Locked rotor time : 37s (cold) 21s (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 : 368 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.0	88.0	91.5	91.5	91.7	91.7	91.7	91.7
	88.0		92.3		92.4		92.4	
Power Factor	0.59	0.53	0.80	0.76	0.86	0.84	0.88	0.87
	0.49		0.74		0.82		0.86	

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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	