

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

15692550

Catalog # :

250150P30FP449TS-W40

Frame : 447/9TS
Output : 250 HP (185 kW)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 343 A
L. R. Amperes : 2195 A
LRC : 6.4x(Code G)
No load current : 102 A
Rated speed : 1480 rpm
Slip : 1.33 %
Rated torque : 887 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 81.5 sq.ft.lb
Design : B

Locked rotor time : 41s (cold) 23s (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 : 72.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 2289 lb

Output	25%	50%	75%	100%
Efficiency (%)	95.3	95.1	95.4	95.4
	94.8	95.4	95.4	95.4
Power Factor	0.55	0.51	0.75	0.72
	0.48	0.70	0.80	0.84

Foundation loads
Max. traction : 4516 lb
Max. compression : 6804 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	4500 h	4500 h
Lubricant amount	27 g	27 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 / 2		
Checked by				
Date	26/03/2024			
		Revision		

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	26/03/2024				