

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

12701308

Catalog # :

15015EP3OFP445TS-W22

Frame : 444/5TS
Output : 150 HP (110 kW)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 203 A
L. R. Amperes : 1177 A
LRC : 5.8x(Code F)
No load current : 49.0 A
Rated speed : 1475 rpm
Slip : 1.67 %
Rated torque : 534 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 56.5 sq.ft.lb
Design : B

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 81.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 1764 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	94.0	94.2	94.5	94.6			
	0.000	94.3	94.6	94.6	94.6			
	0.000							
Power Factor	0.00	0.00	0.81	0.78	0.86	0.85	0.87	0.87
	0.00	0.77	0.84	0.86	0.86			

Foundation loads
Max. traction : 2594 lb
Max. compression : 4358 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	WSeal	WSeal
Lubrication interval	14000 h	14000 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				
Checked by				
Date	26/03/2024			

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Revision