

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

12239622

Catalog # :

06030EP3OFP364TS-W22

Frame : 364/5TS
Output : 60 HP (45 kW)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 80.1 A
L. R. Amperes : 473 A
LRC : 5.9x(Code F)
No load current : 21.5 A
Rated speed : 2950 rpm
Slip : 1.67 %
Rated torque : 107 ft.lb
Locked rotor torque : 170 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0287 sq.ft.lb
Design : B

Locked rotor time : 28s (cold) 16s (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 : 78.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 807 lb

Output	25%	50%	75%	100%			
Efficiency (%)	0.000	92.1	92.2	92.5	92.6	92.9	93.0
	0.000	92.2	92.6	93.0			
	0.000						
Power Factor	0.00	0.00	0.83	0.80	0.88	0.87	0.90
	0.00	0.77	0.85	0.89			

Foundation loads
Max. traction : 691 lb
Max. compression : 1498 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	WSeal	WSeal
Lubrication interval	5000 h	5000 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			

Page 1 / 1
Revision