

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

13565751

Catalog # :

00518EP3EHP184TYZ7F3

Frame : 184TYZ
Output : 5 HP (3.7 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 16.3-14.7/7.37 A
L. R. Amperes : 148-134/67.1 A
LRC : 9.1x(Code M)
No load current : 10.0-9.04/4.52 A
Rated speed : 1765 rpm
Slip : 1.94 %
Rated torque : 14.9 ft.lb
Locked rotor torque : 300 %
Breakdown torque : 420 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.3702 sq.ft.lb
Design : A

Locked rotor time : 23s (cold) 13s (hot)
Temperature rise : 80 K
Duty cycle : S3
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-3
Rotation¹ : Both (CW and CCW)
Noise level² : 56.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 88.2 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	82.5	86.5	87.5
Power Factor	0.00	0.50	0.63	0.72

Foundation loads
Max. traction : 355 lb
Max. compression : 443 lb

	Drive end	Non drive end
Bearing type :	6307 ZZ	6206 ZZ
Sealing :	Special Bearing Seal	V'Ring
Lubrication interval :	0 h	0 h
Lubricant amount :	0 g	0 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 / 1Revision		
Checked by				
Date	26/03/2024			