

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase Product code : 13565751  
Catalog # : 00518EP3EHP184TYZ7F3

Frame	: 184TYZ	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S3
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 16.3-14.7/7.37 A	Protection degree	: IP55
L. R. Amperes	: 148-134/67.1 A	Cooling method	: IC411 - TEFC
LRC	: 9.1x(Code M)	Mounting	: F-3
No load current	: 10.0-9.04/4.52 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level <sup>2</sup>	: 56.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 14.7 ft.lb	Approx. weight <sup>3</sup>	: 94.2 lb
Locked rotor torque	: 300 %		
Breakdown torque	: 420 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: A		
Design			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	81.3	82.5	86.5	87.5	Max. traction	: 347 lb
Power Factor	0.29	0.50	0.63	0.72	Max. compression	: 441 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6307 ZZ	6206 ZZ
Sealing	:	Without Bearing Seal	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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 Revision 1 / 1		
Checked by				
Date	23/01/2018			