

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12678202

Catalog # : 00518NT3FVD184TC-W22

Frame : 182/4TCZ  
 Output : 5 HP (3.7 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 230/460 V  
 Rated current : 14.2/7.11 A  
 L. R. Amperes : 135/67.5 A  
 LRC : 9.5x(Code M)  
 No load current : 8.60/4.30 A  
 Rated speed : 1765 rpm  
 Slip : 1.94 %  
 Rated torque : 14.9 ft.lb  
 Locked rotor torque : 290 %  
 Breakdown torque : 450 %  
 Insulation class : H  
 Service factor : 1.00  
 Moment of inertia (J) : 0.4627 sq.ft.lb  
 Design : A

Locked rotor time : 55s (cold) 31s (hot)  
 Temperature rise : 105 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP55  
 Cooling method : IC410 - TENV  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Starting method : VFD  
 Approx. weight<sup>3</sup> : 110 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	87.5	89.5	89.5
Power Factor	0.00	0.51	0.64	0.73

Foundation loads  
 Max. traction : 373 lb  
 Max. compression : 483 lb

	Drive end	Non drive end
Bearing type :	6207 ZZ C3	6207 ZZ
Sealing :	V'Ring	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.

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Customer :

Thermal protection

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

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