

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Farm Duty Single-Phase

Product code : 10063722  
Catalog # : 00718ES1DFD215T

Frame : 215T  
Output : 7.5 HP (5.5 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230 V  
Rated current : 33.0 A  
L. R. Amperes : 248 A  
LRC : 7.5x(Code J)  
No load current : 16.9 A  
Rated speed : 1730 rpm  
Slip : 3.89 %  
Rated torque : 22.8 ft.lb  
Locked rotor torque : 400 %  
Breakdown torque : 260 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.8828 sq.ft.lb

Locked rotor time : 10s (cold) 6s (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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 160 lb

Output	25%	50%	75%	100%
Efficiency (%)	75.0	77.0	81.0	83.0
Power Factor	0.43	0.71	0.81	0.90

Foundation loads  
Max. traction : 253 lb  
Max. compression : 414 lb

	Drive end	Non drive end
Bearing type	6308 ZZ	6206 ZZ
Sealing	V'Ring	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 1 / 1		
Checked by				
Date	26/03/2024			