

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General NEMA Premium Efficiency Three-Phase

Product code : 10642943

Catalog # : 01018OT3P215TF3

Frame : 213/5T
 Output : 10 HP (7.5 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 200 V
 Rated current : 28.5 A
 L. R. Amperes : 185 A
 LRC : 6.5x(Code H)
 No load current : 12.5 A
 Rated speed : 1765 rpm
 Slip : 1.94 %
 Rated torque : 29.8 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 290 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 1.20 sq.ft.lb
 Design : B

Locked rotor time : 10s (cold) 6s (hot)
 Temperature rise : 105 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP21
 Cooling method : IC01 - ODP
 Mounting : F-3
 Rotation¹ : Both (CW and CCW)
 Noise level² : 59.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 119 lb

Output 25% 50% 75% 100%

Efficiency (%) 89.4 90.2 91.0 91.7
 Power Factor 0.40 0.64 0.76 0.83

Foundation loads

Max. traction : 427 lb
 Max. compression : 546 lb

	Drive end	Non drive end
Bearing type :	6208 ZZ	6206 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
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	25/03/2024			