

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 High Efficiency Three-Phase

Product code :

11342958

Catalog # :

00718EP3EPM213/5Y

Frame : 215Y
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 19.0/9.52 A
L. R. Amperes : 122/60.9 A
LRC : 6.4x(Code H)
No load current : 7.00/3.50 A
Rated speed : 1755 rpm
Slip : 2.50 %
Rated torque : 22.4 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 0.9800 sq.ft.lb
Design : B

Locked rotor time : 37s (cold) 21s (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 : IC418 - TEAO
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 137 lb

Output	25%	50%	75%	100%				
Efficiency (%)	87.2	83.3	87.5	82.5	89.5	85.5	89.5	84.0
	84.4	87.0	84.0	86.5	86.5	88.5	85.5	87.5
Power Factor	0.42	0.41	0.64	0.65	0.75	0.77	0.81	0.82
	0.38	0.37	0.63	0.62	0.75	0.74	0.81	0.81

Foundation loads
Max. traction : 267 lb
Max. compression : 404 lb

	Drive end	Non drive end
Bearing type	6308 ZZ	6207 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	28/03/2024			
		Revision		