

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

13565753

Catalog # :

01018EP3EHP215TYZ7F3

Frame : 215TYZ
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 34.7-31.4/15.7 A
L. R. Amperes : 316-286/143 A
LRC : 9.1x(Code N)
No load current : 23.9-21.6/10.8 A
Rated speed : 1775 rpm
Slip : 1.39 %
Rated torque : 29.6 ft.lb
Locked rotor torque : 340 %
Breakdown torque : 430 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.51 sq.ft.lb
Design : A

Locked rotor time : 18s (cold) 10s (hot)
Temperature rise : 80 K
Duty cycle : S3
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-3
Rotation¹ : Both (CW and CCW)
Noise level² : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 181 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	84.0	87.5	89.5
Power Factor	0.00	0.43	0.57	0.67

Foundation loads

Max. traction : 627 lb

Max. compression : 808 lb

	Drive end	Non drive end
Bearing type	6308 ZZ	6207 ZZ
Sealing	Special Bearing Seal	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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		