

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13689302

Catalog # : 03018ET3EPM284/6Y-W2

Frame : 286Y
 Output : 30 HP (22 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 77.7-70.2/35.1 A
 L. R. Amperes : 474-428/214 A
 LRC : 6.1x(Code G)
 No load current : 22.4-26.0/13.0 A
 Rated speed : 1770 rpm
 Slip : 1.67 %
 Rated torque : 89.0 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 5.85 sq.ft.lb
 Design : B

Locked rotor time : 36s (cold) 20s (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 : IC418 - TEAO
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Starting method : Direct On Line
 Approx. weight³ : 437 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	93.0	93.0	93.6
Power Factor	0.00	0.70	0.80	0.84

Foundation loads

Max. traction : 713 lb
 Max. compression : 1150 lb

	Drive end	Non drive end
Bearing type	6311 C3	6211 C3
Sealing	V'Ring	V'Ring
Lubrication interval	20000 h	20000 h
Lubricant amount	18 g	11 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 Revision		
Checked by				
Date	29/03/2024			