

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 High Efficiency Three-Phase

Product code :

11724774

Catalog # :

02009EP3E286T-W22

Frame : 284/6T
Output : 20 HP (15 kW)
Poles : 8
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 58.2-52.6/26.3 A
L. R. Amperes : 378-342/171 A
LRC : 6.5x(Code H)
No load current : 19.8-23.0/11.5 A
Rated speed : 875 rpm
Slip : 2.78 %
Rated torque : 120 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 8.02 sq.ft.lb
Design : A

Locked rotor time : 21s (cold) 12s (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
Rotation¹ : Both (CW and CCW)
Noise level² : 54.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 445 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	88.5	89.5	89.5
Power Factor	0.00	0.62	0.73	0.80

Foundation loads
Max. traction : 1086 lb
Max. compression : 1531 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		
Checked by				
Date	28/03/2024			
		Revision		