

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Standard Efficiency Three-Phase

Product code :

12685553

Catalog # :

01009ES3EOW286T-W22

Frame : 284/6T
Output : 10 HP (7.5 kW)
Poles : 8
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 30.3-27.4/13.7 A
L. R. Amperes : 176-159/79.5 A
LRC : 5.8x(Code H)
No load current : 11.3-10.2/5.10 A
Rated speed : 830 rpm
Slip : 7.78 %
Rated torque : 63.3 ft.lb
Locked rotor torque : 310 %
Breakdown torque : 0 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 6.12 sq.ft.lb
Design : D

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 : IC411 - TEFC
Mounting : F-2
Rotation¹ : Both (CW and CCW)
Noise level² : 54.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 388 lb

Output	25%	50%	75%	100%
Efficiency (%)	83.1	82.5	84.0	82.5
Power Factor	0.45	0.69	0.79	0.83

Foundation loads
Max. traction : -193 lb
Max. compression : 193 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	26/03/2024			
		Revision		