

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Standard Efficiency Three-Phase

Product code :

12781476

Catalog # :

04012ES3EOW365T-W22

Frame : 364/5T
Output : 40 HP (30 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 108-97.8/48.9 A
L. R. Amperes : 649-587/293 A
LRC : 6.0x(Code G)
No load current : 33.2-30.0/15.0 A
Rated speed : 1120 rpm
Slip : 6.67 %
Rated torque : 188 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 0 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 21.1 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 : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 894 lb

Output	25%	50%	75%	100%
Efficiency (%)	84.9	85.5	87.5	87.5
Power Factor	0.53	0.77	0.85	0.88

Foundation loads
Max. traction : -447 lb
Max. compression : 447 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	WSeal	WSeal
Lubrication interval	17000 h	17000 h
Lubricant amount	27 g	27 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		