

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase

Product code :

12139339

Catalog # :

03012OS3EOW326T

Frame : 326T
Output : 30 HP (22 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 86.2-78.0/39.0 A
L. R. Amperes : 483-437/218 A
LRC : 5.6x(Code G)
No load current : 35.4-32.0/16.0 A
Rated speed : 1120 rpm
Slip : 6.67 %
Rated torque : 141 ft.lb
Locked rotor torque : 290 %
Breakdown torque : 0 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 9.15 sq.ft.lb
Design : D

Locked rotor time : 52s (cold) 29s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP23
Cooling method : IC01 - ODP
Mounting : F-2
Rotation¹ : Both (CW and CCW)
Noise level² : 60.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 519 lb

Output	25%	50%	75%	100%
Efficiency (%)	87.5	88.0	88.5	88.5
Power Factor	0.41	0.64	0.75	0.80

Foundation loads
Max. traction : -259 lb
Max. compression : 259 lb

	Drive end	Non drive end
Bearing type	6312 Z C3	6212 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	21 g	13 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 / 2 Revision		
Checked by				
Date	26/03/2024			

Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	26/03/2024				