

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase

Product code :

11744163

Catalog # :

01012OS3EOW256T

Frame : 256T
Output : 10 HP (7.5 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 29.9-27.0/13.5 A
L. R. Amperes : 179-162/81.0 A
LRC : 6.0x(Code H)
No load current : 15.3-13.8/6.90 A
Rated speed : 1110 rpm
Slip : 7.50 %
Rated torque : 47.3 ft.lb
Locked rotor torque : 300 %
Breakdown torque : 0 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 3.41 sq.ft.lb
Design : D

Locked rotor time : 16s (cold) 9s (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 : 57.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 260 lb

Output	25%	50%	75%	100%
Efficiency (%)	83.3	83.0	84.0	83.0
Power Factor	0.39	0.65	0.78	0.84

Foundation loads
Max. traction : -129 lb
Max. compression : 129 lb

	Drive end	Non drive end
Bearing type	6309 Z C3	6209 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	9 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		