

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13497507

Catalog # : .2518OT3E48-S

Frame : 48
Output : 0.25 HP (0.18 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 1.06-0.964/0.482 A
L. R. Amperes : 6.04-5.49/2.75 A
LRC : 5.7x(Code K)
No load current : 0.660-0.766/0.383 A
Rated speed : 1740 rpm
Slip : 3.33 %
Rated torque : 0.754 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 340 %
Insulation class : F
Service factor : 1.35
Moment of inertia (J) : 0.0280 sq.ft.lb

Locked rotor time : 61s (cold) 34s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 50.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 13.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	57.5	59.4	59.5	62.0	68.0	67.0	70.0	70.0
	55.4		58.0		65.0		68.0	
Power Factor	0.26	0.30	0.46	0.53	0.58	0.66	0.67	0.76
	0.26		0.47		0.59		0.69	

Foundation loads
Max. traction : 23 lb
Max. compression : 36 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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	27/03/2024			
			Revision	