

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 14484731

Catalog # : 00136OT3E143T-S

Frame : 143/5T
Output : 1 HP (0.75 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 2.76/1.38 A
L. R. Amperes : 22.9/11.5 A
LRC : 8.3x(Code L)
No load current : 1.28/0.640 A
Rated speed : 3510 rpm
Slip : 2.50 %
Rated torque : 1.50 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 330 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0643 sq.ft.lb
Design : B

Locked rotor time : 39s (cold) 22s (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 : 62.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 26.0 lb

Output	25%		50%		75%		100%	
Efficiency (%)	72.4	79.0	74.0	79.1	78.5	81.1	80.0	80.7
	75.3		76.4		80.0		80.8	
Power Factor	0.41	0.45	0.66	0.73	0.78	0.84	0.85	0.89
	0.37		0.64		0.77		0.84	

Foundation loads
Max. traction : 35 lb
Max. compression : 61 lb

	Drive end	Non drive end
Bearing type	: 6205 ZZ	: 6203 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	26/03/2024			
		Revision		