

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel High Efficiency Three-Phase Product code : 12651243
Catalog # : 02018OP3EFP256T-S

Frame	: 254/6T	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 51.0/25.5 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 281/140 A	Mounting	: F-1
LRC	: 5.5x(Code F)	Rotation ¹	: Both (CW and CCW)
No load current	: 23.0/11.5 A	Noise level ²	: 64.0 dB(A)
Rated speed	: 1755 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight ³	: 175 lb
Rated torque	: 59.8 ft.lb		
Locked rotor torque	: 190 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.28 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.8	91.0	91.0	91.0	Max. traction	: 544 lb
Power Factor	0.41	0.67	0.78	0.81	Max. compression	: 719 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6309 Z C3	6208 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	8 g
Lubricant type	:	Mobil Polyrex EM	

Notes:
USABLE @208V 56.4A SF 1.00 SFA 56.4A

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 Revision 1 / 1		
Checked by				
Date	26/03/2024			