

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:								
Product line	: Rolled Steel High Efficiency Three-Phase			Product code :	12677354				
Frame	: 182/4TC	Locked rotor time	: 14s (cold) 8s (hot)						
Output	: 5 HP (3.7 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	: 13.1/6.55 A	Protection degree	: IP55						
L. R. Amperes	: 94.3/47.2 A	Cooling method	: IC411 - TEFC						
LCR	: 7.2x(Code J)	Mounting	: W-6						
No load current	: 6.93/3.46 A	Rotation ¹	: Both (CW and CCW)						
Rated speed	: 1750 rpm	Noise level ²	: 56.0 dB(A)						
Slip	: 2.78 %	Starting method	: Direct On Line						
Rated torque	: 15.0 ft.lb	Approx. weight ³	: 87.6 lb						
Locked rotor torque	: 200 %								
Breakdown torque	: 300 %								
Insulation class	: F								
Service factor	: 1.15								
Moment of inertia (J)	: 0.3695 sq.ft.lb								
Design	: B								
Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	86.2	86.5	87.5	87.5	Max. traction : 244 lb				
Power Factor	0.36	0.61	0.74	0.81	Max. compression : 331 lb				
Bearing type	:	Drive end		Non drive end					
Sealing	:	6206 ZZ		6205 ZZ					
Lubrication interval	:	V'Ring		Without Bearing Seal					
Lubricant amount	:	-		-					
Lubricant type	:	-		-					
Mobil Polyrex EM									
Notes:									
USABLE @208V 14.5A SF 1.00 SFA 14.5A									
This revision replaces and cancel the previous one, which must be eliminated.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.					
(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.									
Rev.	Changes Summary			Performed	Checked				
Performed by					Page				
Checked by					Revision				
Date	26/03/2024				1 / 1				