

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12630776		
		Catalog # :	00518ET3E184T-S		
Frame	: 182/4T	Locked rotor time	: 28s (cold) 16s (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	: 13.0/6.49 A	Protection degree	: IP55		
L. R. Amperes	: 90.9/45.4 A	Cooling method	: IC411 - TEFC		
LRC	: 7.0x(Code J)	Mounting	: F-1		
No load current	: 6.89/3.44 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	: 74.6 lb		
Locked rotor torque	: 220 %				
Breakdown torque	: 300 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.3080 sq.ft.lb				
Design	: B				
Output	50%	75%	100%		
Efficiency (%)	88.5 87.9	89.5 87.2	89.5 84.9		
	86.5	87.2	86.1		
Power Factor	0.60 0.68	0.73 0.80	0.80 0.84		
	0.59	0.73	0.80		
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:					
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	Date
Performed by					
Checked by				Page	Revision
Date	27/03/2024			1 / 1	