

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12675410		
		Catalog # :	00152ET3E182T-S		
Frame	: 182/4T	Locked rotor time	: 99s (cold) 55s (hot)		
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K		
Poles	: 6	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	: 4.44/2.22 A	Protection degree	: IP55		
L. R. Amperes	: 30.6/15.3 A	Cooling method	: IC411 - TEFC		
LRC	: 6.9x(Code K)	Mounting	: F-1		
No load current	: 2.73/1.36 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1170 rpm	Noise level ²	: 52.0 dB(A)		
Slip	: 2.50 %	Starting method	: Direct On Line		
Rated torque	: 6.73 ft.lb	Approx. weight ³	: 68.6 lb		
Locked rotor torque	: 240 %				
Breakdown torque	: 340 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.2800 sq.ft.lb				
Design	: B				
Output	50%	75%	100%		
Efficiency (%)	84.0 84.2	86.5 85.6	87.5 84.9		
	82.9	85.3	85.5		
Power Factor	0.50 0.58	0.63 0.70	0.71 0.76		
	0.51	0.63	0.72		
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. (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
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Checked by				Page	Revision
Date	26/03/2024			1 / 1	