

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12677285	
		Catalog # :	00152ET3ER182TC-S	
Frame	: 182/4TC	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	: W-6	
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	: 76.6 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	25% 50% 75% 100%	Foundation loads		
Efficiency (%)	82.8 84.4 84.0 84.2 86.5 85.6 87.5 84.9	Max. traction	: 134 lb	
	82.3 82.9 85.3 85.5			
Power Factor	0.29 0.34 0.50 0.58 0.63 0.70 0.71 0.76	Max. compression	: 210 lb	
	0.29 0.51 0.63 0.72			
		Drive end	Non drive end	
Bearing type	:	6206 ZZ	6205 ZZ	
Sealing	:	V'Ring	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				
Checked by			Page	Revision
Date	26/03/2024		1 / 1	