

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line	: Rolled Steel High Efficiency Three-Phase				Product code :	12677352				
					Catalog # :	00336EP3ER182TC-S				
Frame	: 182/4TC	Locked rotor time	: 39s (cold) 22s (hot)							
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K							
Poles	: 2	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	: 7.78/3.89 A	Protection degree	: IP55							
L. R. Amperes	: 64.6/32.3 A	Cooling method	: IC411 - TEFC							
LRC	: 8.3x(Code K)	Mounting	: W-6							
No load current	: 3.48/1.74 A	Rotation <sup>1</sup>	: Both (CW and CCW)							
Rated speed	: 3510 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)							
Slip	: 2.50 %	Starting method	: Direct On Line							
Rated torque	: 4.49 ft.lb	Approx. weight <sup>3</sup>	: 70.9 lb							
Locked rotor torque	: 229 %									
Breakdown torque	: 350 %									
Insulation class	: F									
Service factor	: 1.15									
Moment of inertia (J)	: 0.1391 sq.ft.lb									
Design	: B									
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	82.1	85.7	82.5	85.2	85.5	86.1	85.5	85.1	Max. traction	: 82 lb
	84.3		84.5		86.3		86.1		Max. compression	: 153 lb
Power Factor	0.41	0.46	0.65	0.72	0.77	0.83	0.83	0.88		
	0.38		0.62		0.76		0.83			
					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						
Date	26/03/2024				Page	Revision
					1 / 1	