

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 13162620						
				Catalog # : 00518ET3E184TF2-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-2					
No load current	: 6.89/3.44 A			Rotation <sup>1</sup>	: Both (CW and CCW)					
Rated speed	: 1750 rpm			Noise level <sup>2</sup>	: 56.0 dB(A)					
Slip	: 2.78 %			Starting method	: Direct On Line					
Rated torque	: 15.0 ft.lb			Approx. weight <sup>3</sup>	: 74.3 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	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	88.2	89.7	88.5	87.9	89.5	87.2	89.5	84.9	Max. traction	: 301 lb
	87.1	86.5	87.2	86.1						
Power Factor	0.35	0.42	0.60	0.68	0.73	0.80	0.80	0.84	Max. compression	: 375 lb
	0.34	0.59	0.73	0.80						
Bearing type	:	<u>Drive end</u>		<u>Non drive end</u>						
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				
Performed by										
Checked by					Page	Revision				
Date	27/03/2024				1 / 1					