

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12630271			
		Catalog # : 005180T3E184T-S			
Frame : 182/4T Output : 5 HP (3.7 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 12.7/6.33 A L. R. Amperes : 91.2/45.6 A LRC : 7.2x(Code J) No load current : 6.29/3.15 A Rated speed : 1760 rpm Slip : 2.22 % Rated torque : 14.9 ft.lb Locked rotor torque : 200 % Breakdown torque : 310 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.4003 sq.ft.lb Design : B		Locked rotor time : 21s (cold) 12s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 55.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 79.6 lb			
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	88.5	88.5	89.5	Max. traction : 271 lb	
Power Factor	0.63	0.76	0.82	Max. compression : 351 lb	
Bearing type :		<u>Drive end</u> 6206 ZZ	<u>Non drive end</u> 6205 ZZ		
Sealing :		Without Bearing Seal	Without Bearing Seal		
Lubrication interval :		-	-		
Lubricant amount :		-	-		
Lubricant type :		Mobil Polyrex EM			
Notes USABLE @208V 14.0A SF 1.00 SFA 14.0A					
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	06/11/2023			1 / 1	



MADE IN MEXICO

MAT: 12630271 CC029A

W01.T00IC0X0N

MODEL 005180T3E184T-S

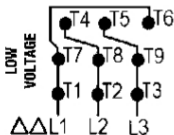
03NOV2023 S/N:

PH 3	Hz 60	HP 5.0
FR 182/4T		KW 3.7
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 12.7/6.33
INS CL F ΔT 80K		SFA 14.6/7.28
AMB 40°C	DES B	SF 1.15
ENCL ODP	CODE J	PF 0.82
		RPM 1760
		NEMA NOM. EFF 89.5%

ALTERNATE RATING: 5.0HP 50Hz 190-220/380-415V SF1.15
 15.4-13.5/7.71-7.18A 1445RPM EFF 84.8% (IE1) IEC 60034-1

Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 5:1 CT

DE 6206-ZZ	ODE 6205-ZZ	MOBIL POLYREX EM
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- T1-BLU T2-WHT
- T3-ORG T4-YEL
- T5-BLK T6-GRY
- T7-PNK T8-RED
- T9-RED BRK

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION



WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.



AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.