

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Single-Phase		Product code : 14174625		Catalog # : 00518ES1C184T-W22	
Frame : 182/4T	Output : 5 HP (3.7 kW)	Poles : 4	Frequency : 60 Hz	Rated voltage : 208-230 V	
Rated current : 23.0-21.4 A	L. R. Amperes : 150-139 A	LRC : 6.5x(Code H)	No load current : 6.90-8.00 A	Rated speed : 1730 rpm	
Slip : 3.89 %	Rated torque : 15.2 ft.lb	Locked rotor torque : 360 %	Breakdown torque : 235 %	Insulation class : F	
Service factor : 1.15	Moment of inertia (J) : 0.4357 sq.ft.lb	Locked rotor time : 12s (cold) 7s (hot)	Temperature rise : 80 K	Duty cycle : Cont.(S1)	
		Ambient temperature : -20°C to +40°C	Altitude : 1000 m.a.s.l.	Protection degree : IP55	
		Cooling method : IC411 - TEFC	Mounting : F-1	Rotation ¹ : Both (CW and CCW)	
		Noise level ² : 60.0 dB(A)	Starting method : Direct On Line	Approx. weight ³ : 119 lb	
Output	25%	50%	75%	100%	
Efficiency (%)	70.8	72.5	78.5	80.0	
Power Factor	0.59	0.89	0.93	0.94	
Foundation loads		Max. traction : 168 lb			
		Max. compression : 287 lb			
Bearing type :	<u>Drive end</u>	<u>Non drive end</u>			
Sealing :	6207 ZZ	6206 ZZ			
Lubrication interval :	V'Ring	V'Ring			
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	11/10/2023			1 / 1	



W22

14174625

MADE IN BRAZIL

PH 1	FR 182/4T	HP(kW) 5.0(3.7)	Hz 60	SF 1.15
V 230	A 21.4	RPM 1730		
SFA	PF 0.94	DUTY CONT.		
NEMA NOM EFF 80.0	%	INS. CL. F Δ T 80	K	AMB 40°C
		CODE H	IP55	ENCL TEFC



TO REVERSE ROTATION,
INVERT T5 AND T8.



MOBIL POLYREX EM

ALT 1000 m.a.s.l. | 119 Lbs

MODEL 00518ES1C184T-W22



MOD.ME1BFOXOX