

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W22 Single-Phase		Product code : 14156744		Catalog # : 01218ES1E215TC-W22
Frame : 213/5TC	Output : 12.5 HP (9.2 kW)	Poles : 4	Frequency : 60 Hz	Rated voltage : 208-230 V
Rated current : 54.0-52.2 A	L. R. Amperes : 405-392 A	LRC : 7.5x(Code J)	No load current : 15.6-18.1 A	Rated speed : 1740 rpm
Slip : 3.33 %	Rated torque : 37.7 ft.lb	Locked rotor torque : 220 %	Breakdown torque : 240 %	Insulation class : H
Service factor : 1.15	Moment of inertia (J) : 1.29 sq.ft.lb	Locked rotor time : 10s (cold) 6s (hot)	Temperature rise : 125 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 : 63.0 dB(A)	Starting method : Direct On Line	Approx. weight ³ : 211 lb
Output	25%	50%	75%	100%
Efficiency (%)	75.7	77.0	81.5	82.5
Power Factor	0.57	0.85	0.91	0.93
Foundation loads		Max. traction : 405 lb		
		Max. compression : 616 lb		
Bearing type :	<u>Drive end</u>	<u>Non drive end</u>		
Sealing :	6308 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
Performed by				
Checked by				
Date	11/10/2023		Page	Revision
			1 / 1	

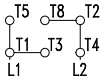
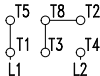


14156744

MADE IN BRAZIL

PH 1	FR 213/5TC	HP(kW) 12 1/2(9.2)	Hz 60	SF 1.15
V 230/460		A 52.2/26.1	RPM 1740	
SFA		PF 0.93	DUTY CONT.	
NEMA NOM EFF 82.5		%	INS. CL. H Δ T	K AMB 40°C
			CODE J	IP55 ENCL TEFC

TO REVERSE ROTATION INTERCHANGE T5 AND T8

LOW
VOLTAGEHIGH
VOLTAGE

MOBIL POLYREX EM

ALT1000 m.a.s.l. | 211lbs

MODEL 01218ES1E215TC-W22



MOD.ME1BFOXOX