

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W22 Single-Phase		Product code : 14086161		Catalog # : 00718ES1E215TC-W22
Frame : 213/5TC	Output : 7.5 HP (5.5 kW)	Poles : 4	Frequency : 60 Hz	Rated voltage : 208-230 V
Rated current : 32.0-30.0 A	L. R. Amperes : 246-231 A	LRC : 7.7x(Code H)	No load current : 8.97-10.4 A	Rated speed : 1750 rpm
Slip : 2.78 %	Rated torque : 22.5 ft.lb	Locked rotor torque : 320 %	Breakdown torque : 250 %	Insulation class : F
Service factor : 1.15	Moment of inertia (J) : 1.09 sq.ft.lb	Locked rotor time : 10s (cold) 6s (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 : 63.0 dB(A)	Starting method : Direct On Line	Approx. weight ³ : 183 lb
Output	25%	50%	75%	100%
Efficiency (%)	73.6	75.6	81.0	83.0
Power Factor	0.61	0.91	0.94	0.96
Foundation loads		Max. traction : 226 lb		
		Max. compression : 408 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	



Mod. ME1BFOXOX

MADE IN BRAZIL
14086161

MODEL 00718ES1E215TC-W22

Electric Motor
Severe Duty

PH1 60Hz Fr. 213/5TC 1000m.a.s.l. IP55 TEFC 182lb

V 230/460

A 30.0/15.0

HP 7.5

kW 5.5

SF 1.15

SFA 34.4/17.2

RPM 1750

PF 0.96

AMB 40°C

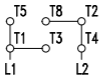
INS cl. F DT80K

NEMA NOM EFF 83.0%

DUTY CONT.

DES - Code H

TO REVERSE ROTATION INVERT T5 AND T8



LOW VOLTAGE



HIGH VOLTAGE



MOBIL POLYREX EM