DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Single-Phase

Product code : 14074618
Catalog # : 01018ES1E215TC-W22

Frame	: 213/5TC
Output	: 10 HP (7.5 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 208-230 V
Rated current	: 44.5-40.8 A
L. R. Amperes	: 298-273 A
LRC	: 6.7x(Code G)
No load current	: 9.66-11.2 A
Rated speed	: 1740 rpm
Slip	: 3.33 %
Rated torque	: 30.2 ft.lb
Locked rotor torque	: 260 %
Breakdown torque	: 240 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 1.15 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]	: 196 lb

Output	25%	50%	75%	100%
Efficiency (%)	76.2	77.9	82.5	84.0
Power Factor	0.66	0.92	0.94	0.95

Foundation loads

Max. traction	: 311 lb
Max. compression	: 506 lb

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

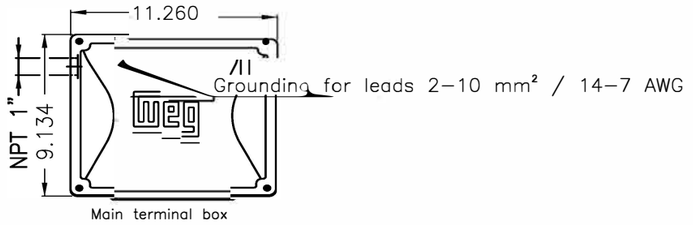
Notes

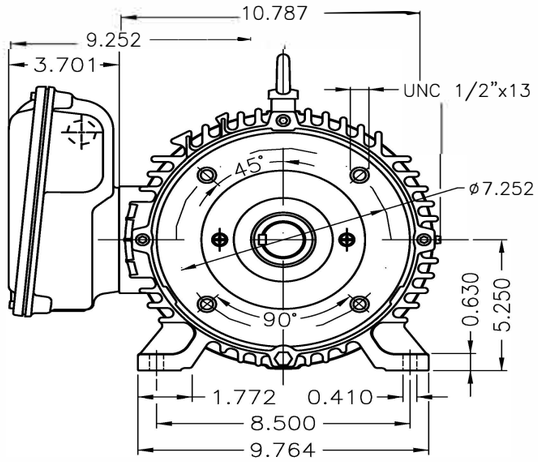
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

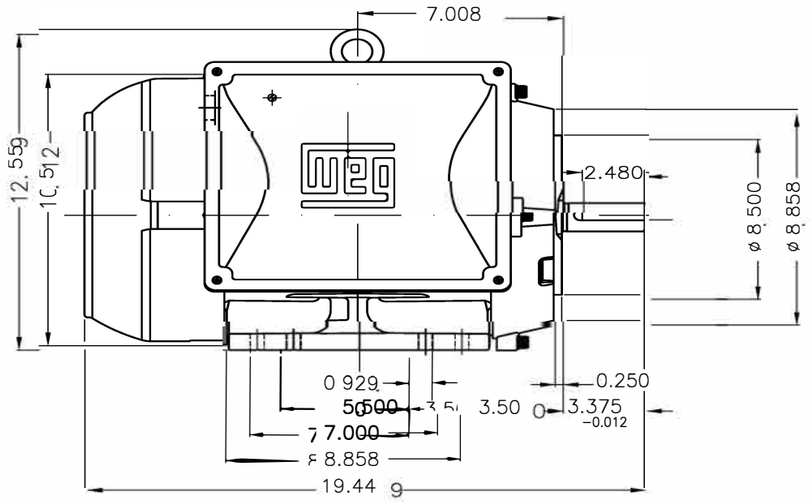
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

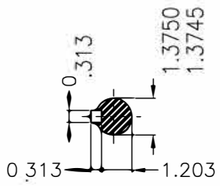
Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/10/2023		1 / 1	









DE Shaft End

Bearing cap
Mounting NEMA F-1
Mounting B34R(D)
10 HP 04 Poles 60 Hz

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER	SINGLE PH. MOTOR W22	PREVIEW
CHECKED		FRAME 213/5TC IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

A

Dimensions in inches

A3

XME

Mod.ME1BF0X0X

MADE IN BRAZIL
14074618

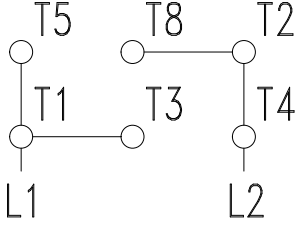
MODEL 01018ES1E215TC-W22

Electric Motor
Severe Duty

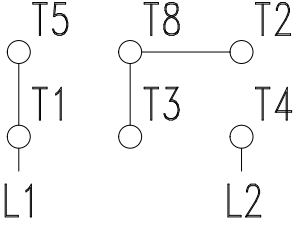
PH1 60Hz Fr. 213/5TC 1000m.a.s.l. IP55 TEFC 196lb

V 230/460	A 40.8/20.4
HP 10	kW 7.5
SF 1.15	SFA 45.0/22.5
RPM 1740	PF 0.95
AMB 40°C	INS cl. F DT80K NEMA NOM EFF 84.0%
DUTY CONT.	DES - Code G

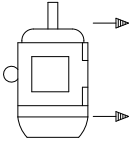
TO REVERSE ROTATION INVERT T5 AND T8



LOW VOLTAGE



HIGH VOLTAGE



6308-ZZ

6206-ZZ

MOBIL POLYREX EM