DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: General Single-Phase	Product code :	10021017
		Catalog # :	00318ES1E184TC

Frame	: 184TC	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 14.7-13.6/6.80 A	Protection degree	: IP55
L. R. Amperes	: 110-102/51.0 A	Cooling method	: IC411 - TEFC
LRC	: 7.5x(Code J)	Mounting	: F-1
No load current	: 5.17-6.00/3.00 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1750 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight[3]	: 92.4 lb
Rated torque	: 8.88 ft.lb		
Locked rotor torque	: 280 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.3109 sq.ft.lb		

Output	25%	50%	75%	100%
Efficiency (%)	64.3	67.0	74.0	77.0
Power Factor	0.54	0.84	0.90	0.93

Foundation loads

Max. traction	: 95 lb
Max. compression	: 188 lb

		Drive end	Non drive end
Bearing type	:	6307 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

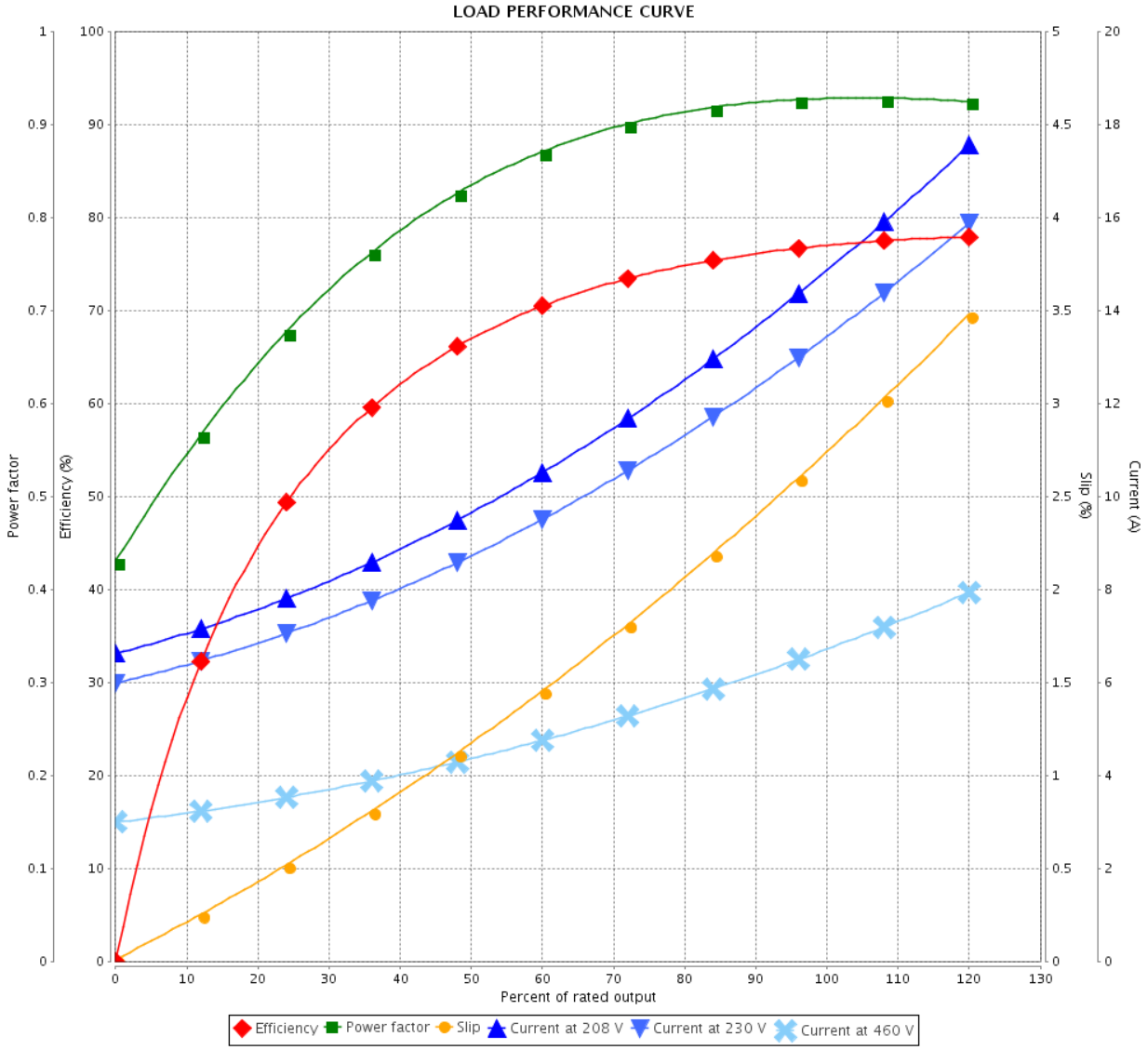
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: General Single-Phase	Product code : Catalog # :	10021017 00318ES1E184TC



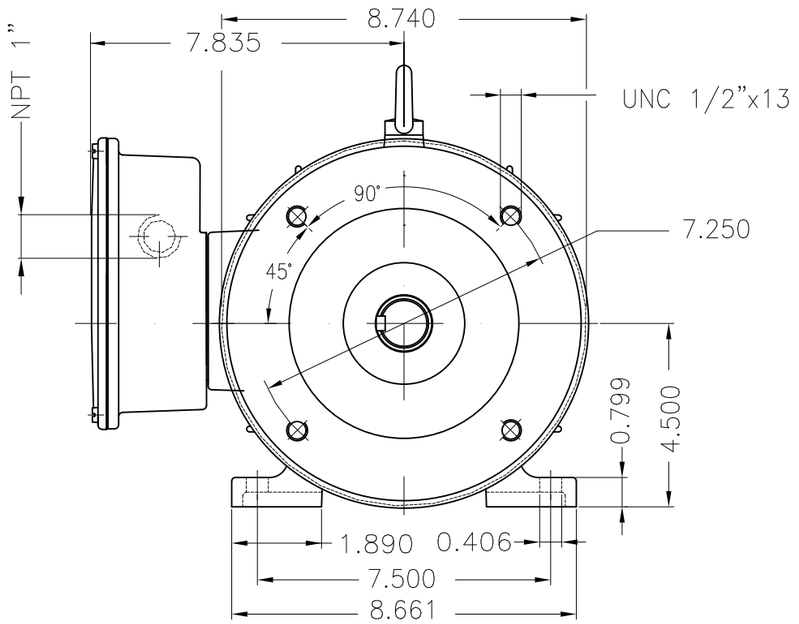
Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 14.7-13.6/6.80 A	Moment of inertia (J)	: 0.3109 sq.ft.lb
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 8.88 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1750 rpm		

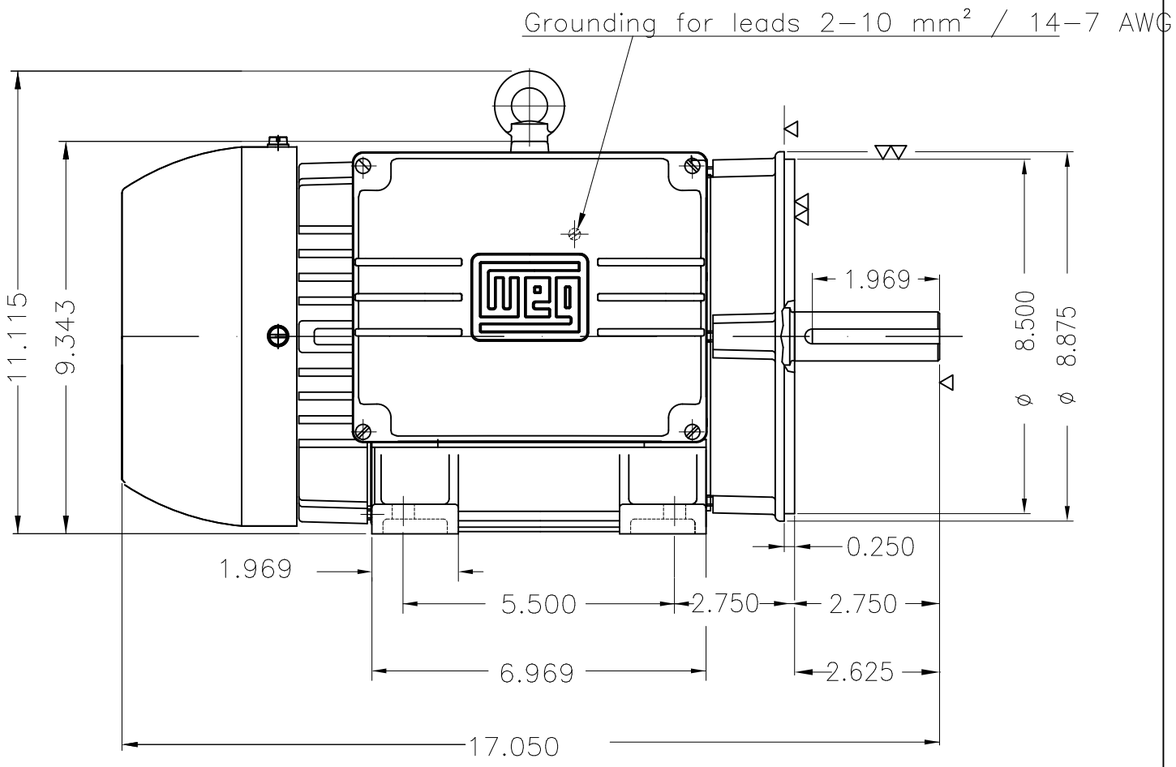
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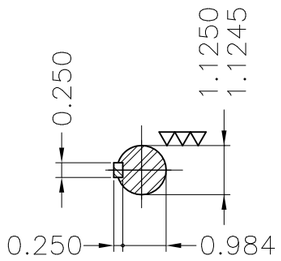
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THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.







Bearing cap

Mounting B34R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	SINGLE PHASE MOTOR					
CHECKED		FRAME 184TC IP55 TEFC					
RELEASED		WEG code: 10021017					
REL DT	05.12.2019	WMO Jaragua do Sul Product Engineering	SHEET 1 / 1				

3 HP 04 Poles 60Hz

A

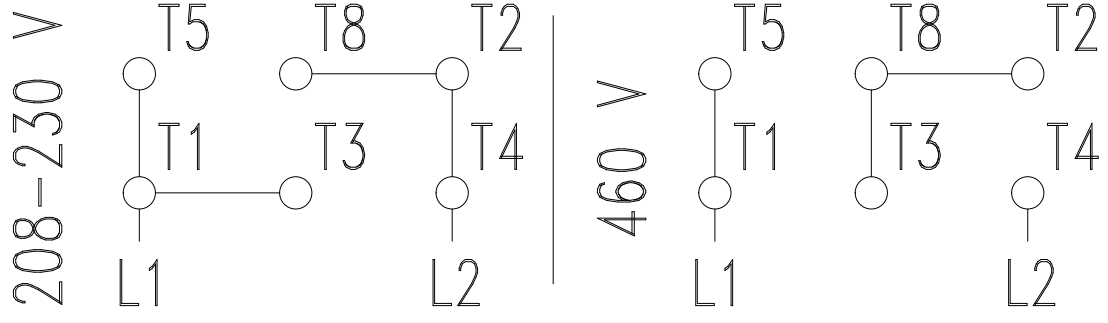
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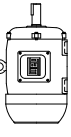
MADE IN BRAZIL

PH 1	FRAME 184TC		
HP(KW) 3.0(2.2)		RPM 1750	
ENCL TEFC	TYPE EM	PF 0.93	IP55
SF 1.15	INS CL F △T 80 K	CODE J	Hz 60
VOLTS 208-230/460		AMPS 14.7-13.6/6.80	MAX. AMB. 40°C
DUTY CONT.	SFA	ALT. 1000 m.a.s.l.	

MODEL 00318ES1E184TC



TO REVERSE ROTATION INTERCHANGE T5 AND T8



→ 6307-ZZ
→ 6206-ZZ

MOBIL POLYREX EM

92 Lbs

10021017

LR 38324

MOD.ME01F0X0X0000302084