

# PRODUCT INFORMATION PACKET



Model No: 121815.00  
Catalog No: 121815.00  
Brake Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 145TC Frame, TEFC

**Operational at 115/208-230 V @60HZ**



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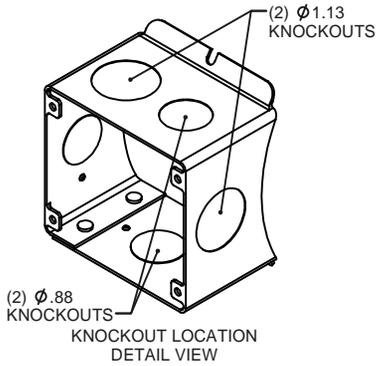
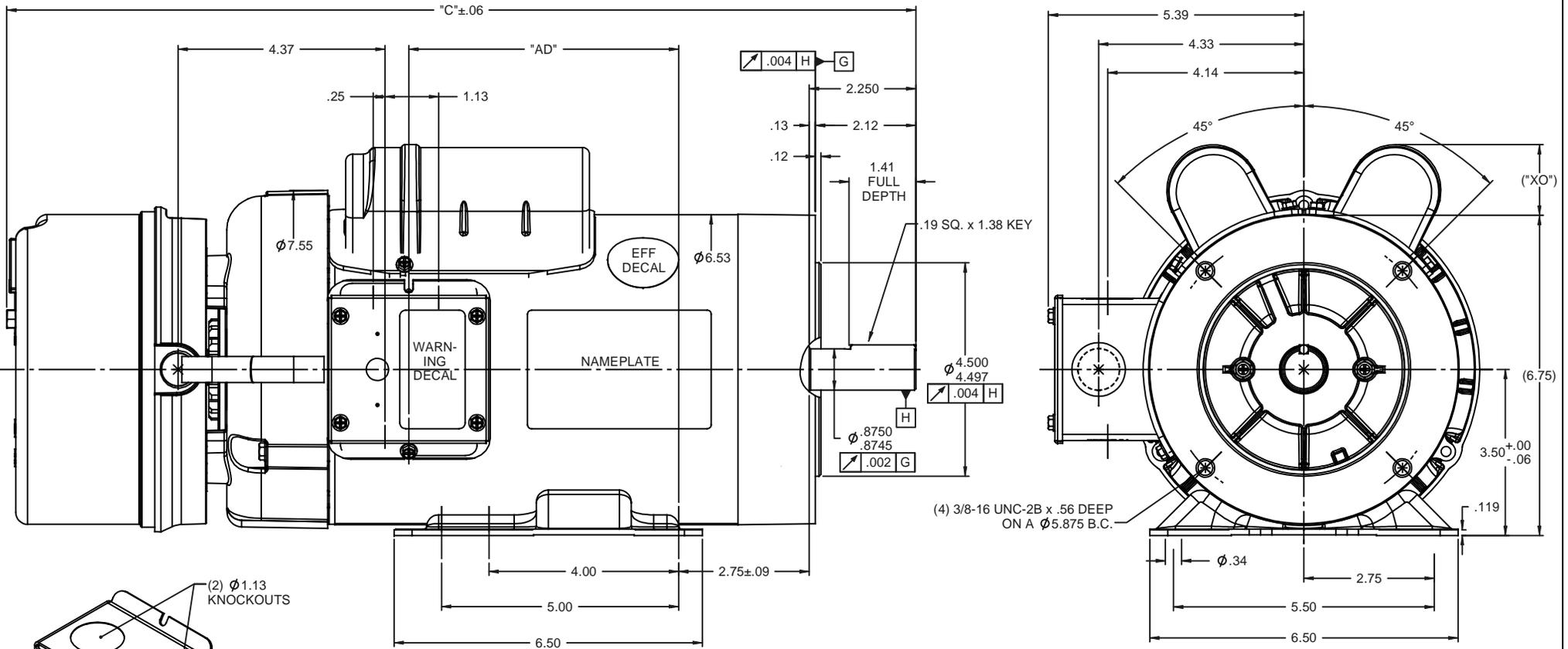
### Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/230 V
Speed	1740 rpm	Service Factor	1.0
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	79 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.2/8.6 A	Power Factor	73
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

### Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	1.4 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.23 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028837-750	Connection Drawing	005054.19

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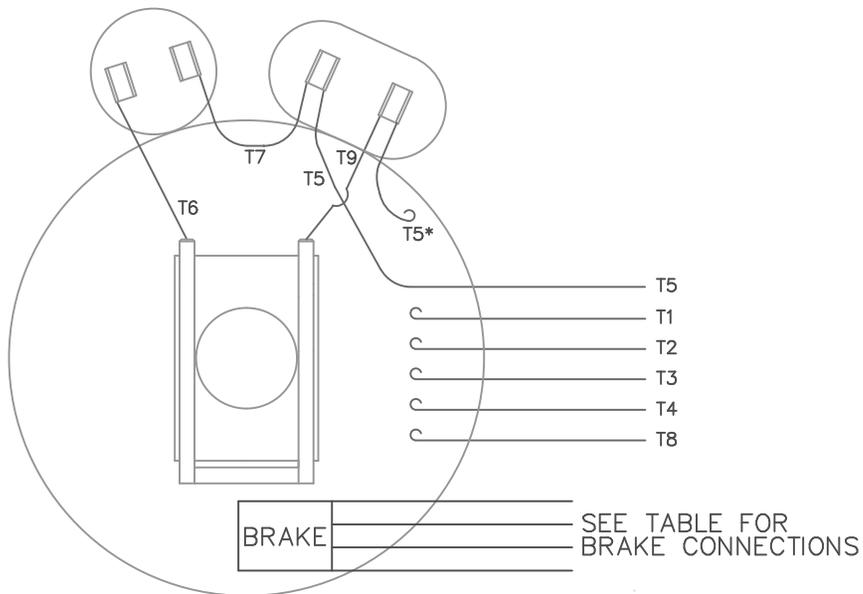


DASH NO.	"C"	"AD"	CAP DASH	"XO"
750	18.23	4.69	A	1.15
800	18.73	5.19	B	1.6
850	19.23	5.69	C	1.82

NOTE:  
 1) GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED		<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RVD 06/12/2008	
	DEC		INCHES			CHK VS 06/12/2008	
	X		$\pm .1$	APPR LST 06/12/2008			
	XX		$\pm .03$	SCALE 1:2			
	XXX		$\pm .005$	REF 028790/028800			
	XXXX		$\pm .0005$	FMF 121816			
NO	REVISION	BY & DATE	CHK ANG $\pm 1/2^\circ$	FINISH	PAGE OF		
THIRD ANGLE PROJECTION			RFP	PREV	SIZE <b>B</b>	DRAWING NO <b>028837</b>	REV
				NETWORK FILE NAME			

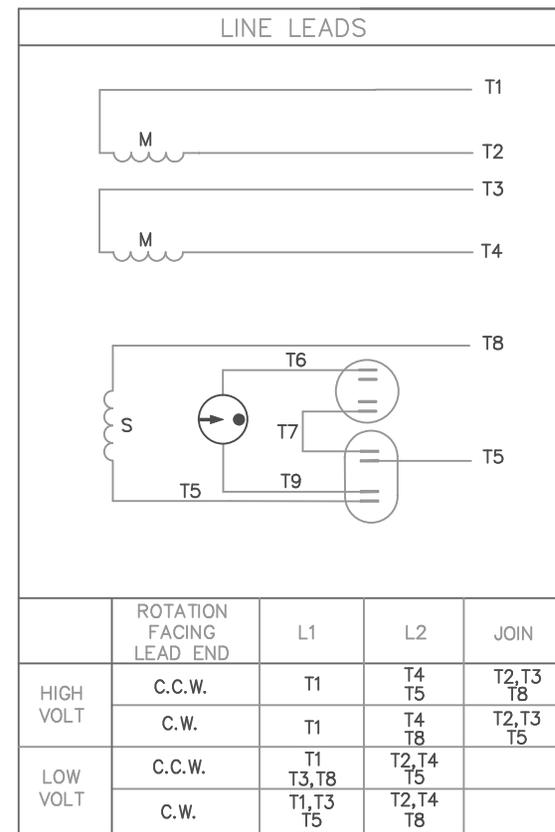
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\* THIS LEAD MAY BE WHITE

REF. DECAL (MOTOR) - 004012

REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)



VOLTAGE	BRAKE CONNECTION					
	STEARNS BRAKE			DINGS BRAKE		
	L1	L2	JOIN	L1	L2	JOIN
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN KA 06/04/08		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01				SCALE 1=2		
				.XXX	±.005				REF 005010.15		
				.XXXX	±.0005	MAT'L. DECAL-004012,080034		FMF 121816			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH			PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE 00505419			SIZE A	DRAWING NO. 005054-19		REV.
				DIST	BRF-NLV						



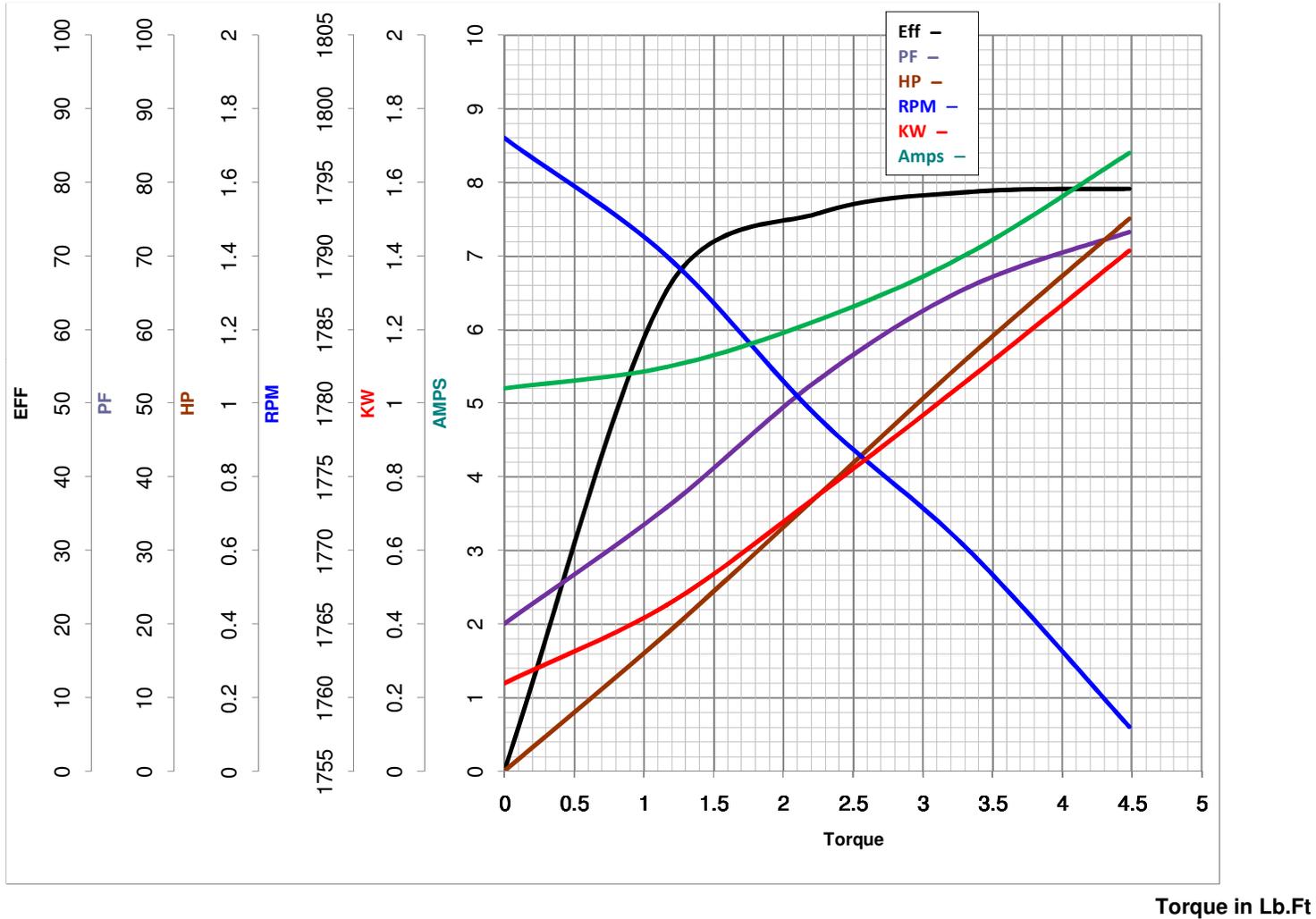
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 121815.00

Curve at 230 Volts HP 1.50 PHASE 1  
60 HZ  
1.5 HP VOLTS 115/208-230

Catalog No 121815.00

HZ 60 RPM 1740



FL TORQUE 4.48 Lb.Ft  
 BD TORQUE 10.8 Lb.Ft  
 LR TORQUE 13 Lb.Ft

FL AMPS 17.2/8.8-8.6  
 PU TORQUE 9.3 Lb.Ft  
 LR AMPS 51

WINDING K634278-3

Date 3/26/2018