

PRODUCT INFORMATION PACKET



Model No: 116705.00
Catalog No: 116705.00
General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 56H Frame, TEFC



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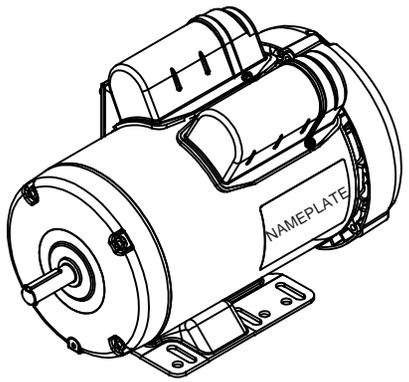
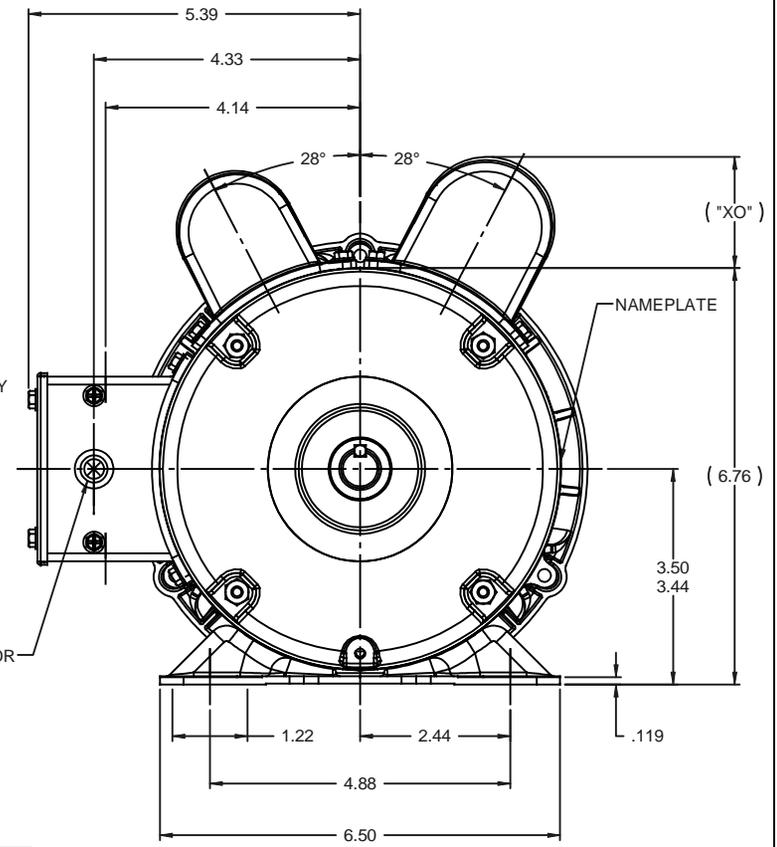
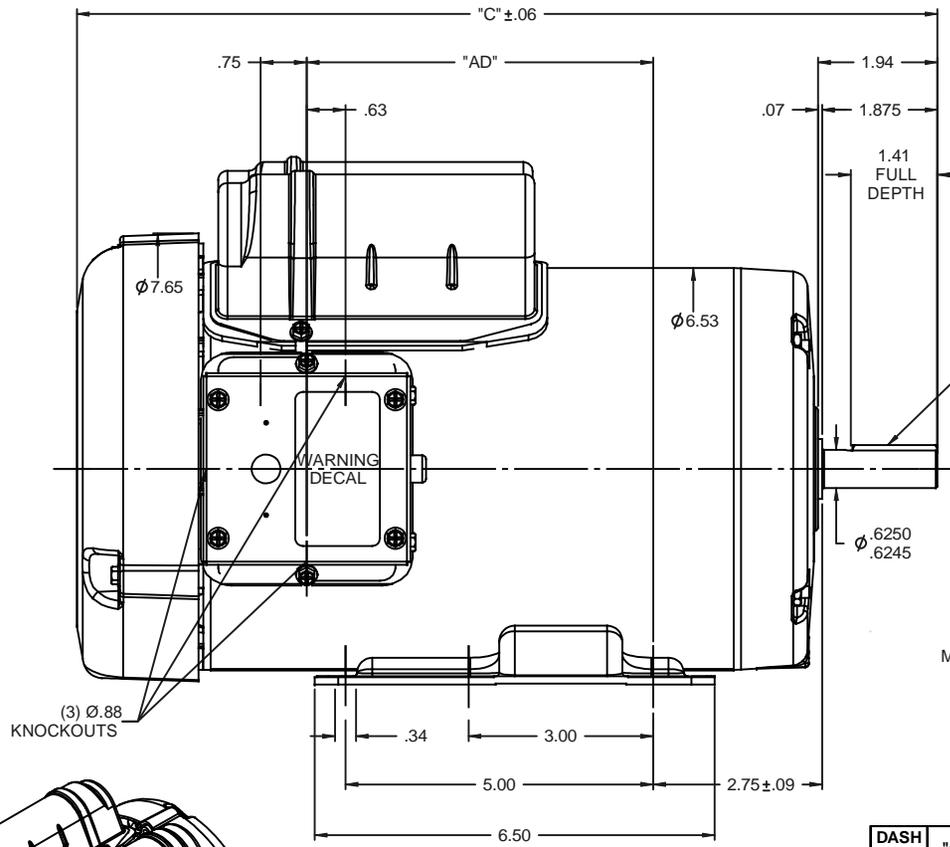
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	13.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	81.5 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	56H	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
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	2	Rotation	Selective Counterclockwise
Resistance Main	.52 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.99 in
Frame Length	8.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028908-850C	Connection Drawing	005056.03

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DASH NO.	"C"	"AD"	CAP DASH	"XO"
700	12.49	4.13	A	1.15
750	12.99	4.63	B	1.60
800	13.49	5.13	C	1.82
850	13.99	5.63		

NOTES:
 1) GASKETS THROUGHOUT.

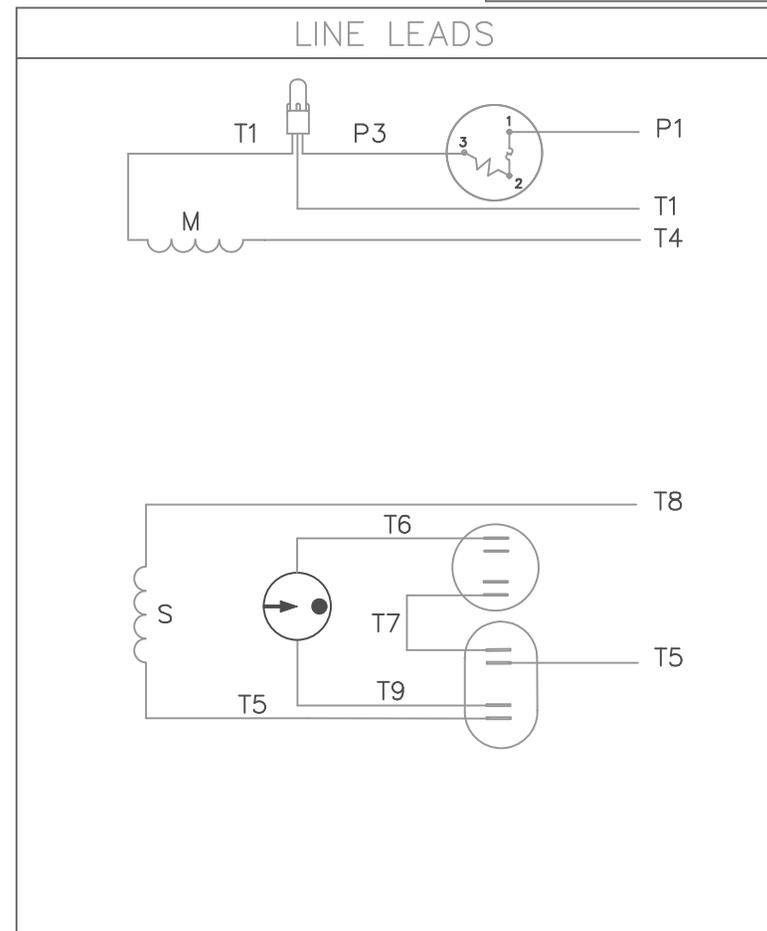
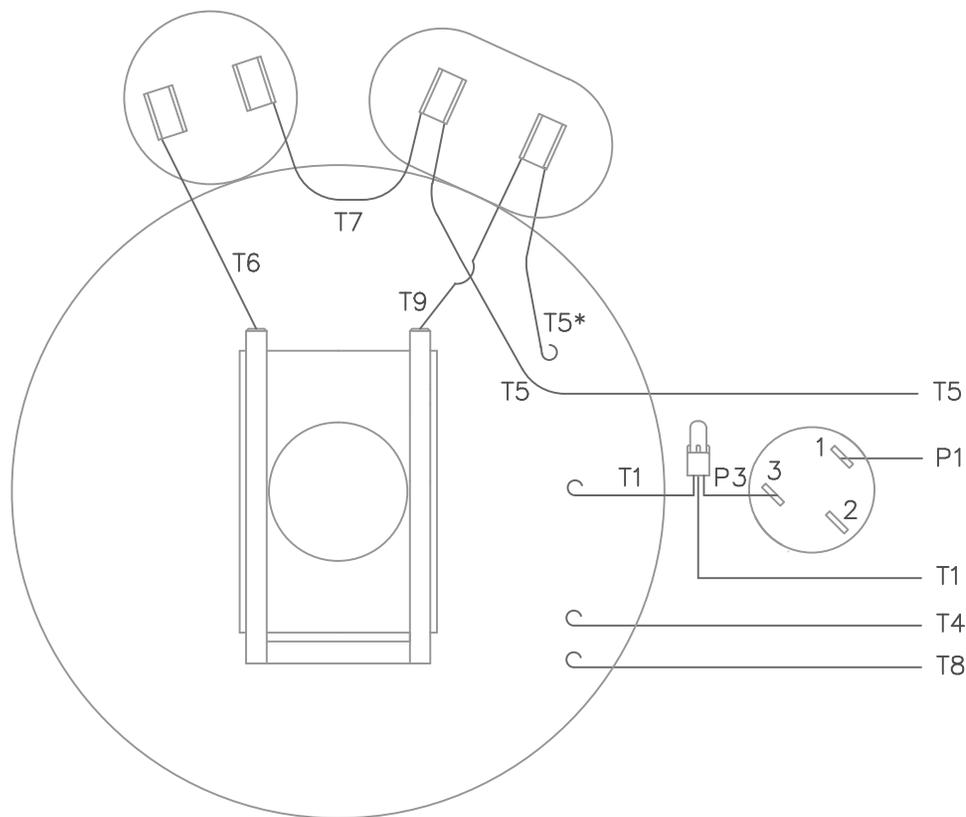
REVISION		BY & DATE	CHK ANG ±1/2°	FINISH	SCALE 1:2	DRAWN GRB 12/01/08
THIRD ANGLE PROJECTION			RFP 12/01/08	PREV	REF 028706	CHK DJ 12/01/08
			NETWORK FILE NAME		FMF 116705.00	APPR DJ 12/01/08
						PAGE 1 OF 1
						REV
						SIZE B
						DRAWING NO 028908



**ELECTRIC MOTORS
 GEARMOTORS
 AND DRIVES**

TITLE OUTLINE - 56H FRAME
 TEFC - RIGID
 MATL COMPRESSOR DUTY

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	JOIN
C.C.W.	P1	T4, T5	T1, T8
C.W.	P1	T4, T8	T1, T5

* THIS LEAD MAY BE WHITE

			TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLW 08/30/76 CHK WRK 09/24/76 APPD		
			DEC.	INCHES					
			.X	±.1					
08	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02	.XX	±.01	TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/ PROTECTOR	SCALE 1=1		
07	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	±.005			REF		
06	REDRAWN TO CAD	DBT 5/31/02		±.0005	MAT'L.	DECAL - 004015	FMF 6K17FB4		
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	00505603	SIZE A	DRAWING NO. 005056-03	REV. 08
			DIST	BRF-NLV					



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005056.03
OUTLINE: 028908-850C
WINDING #: K632129 FR 2 A

CATALOG #: 116705.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	56H	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	13	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.3	1/2 LOAD EFF:	77.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	91	3/4 LOAD PF:	88.2	1/2 LOAD PF:	81	78.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	100	12.5 LB-FT 278 %	13.5 LB-FT 300 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.1 LB-FT^2	0 LB-FT^2	0 SEC.	0	53 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE FT-LB V NONE HZ

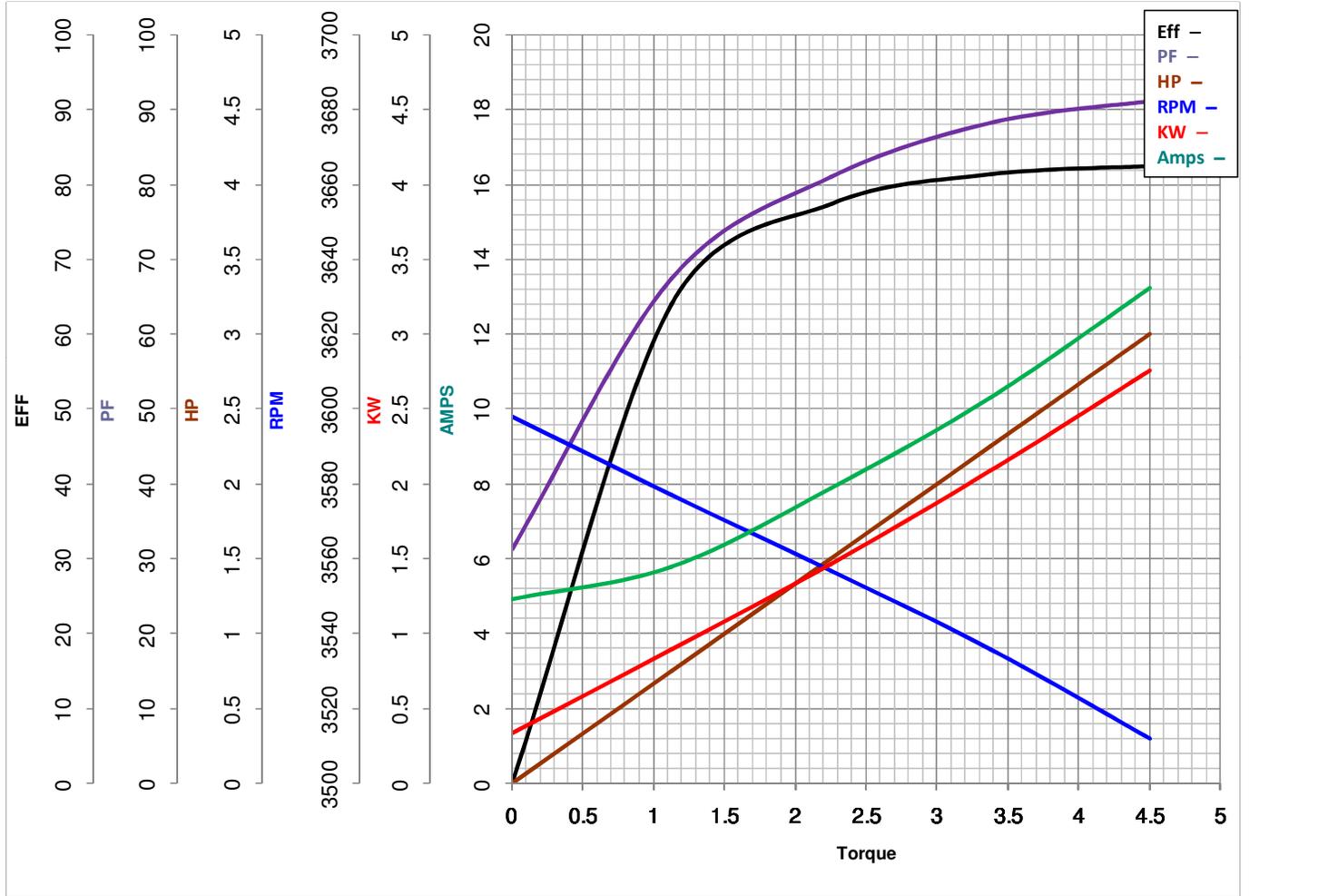


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 116705.00

Catalog No 116705.00

Curve at 230 Volts HP 3.00 PHASE 1
60 HZ
3 HP VOLTS 230
HZ 60 RPM 3450



Torque in Lb.Ft

FL TORQUE 4.5 Lb.Ft
 BD TORQUE 13.5 Lb.Ft
 LR TORQUE 12.5 Lb.Ft

FL AMPS 13
 PU TORQUE 12.0 Lb.Ft
 LR AMPS 100

WINDING K632129-2

Date 4/12/2018