

PRODUCT INFORMATION PACKET



Model No: 110908.00

Catalog No: 110908.00

General Purpose Motor, 1 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56C Frame, TEFC



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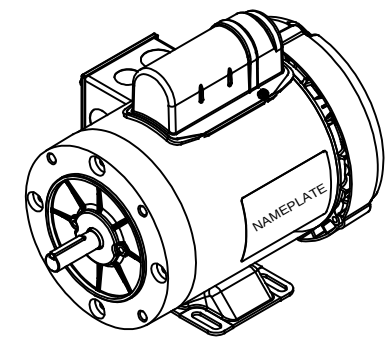
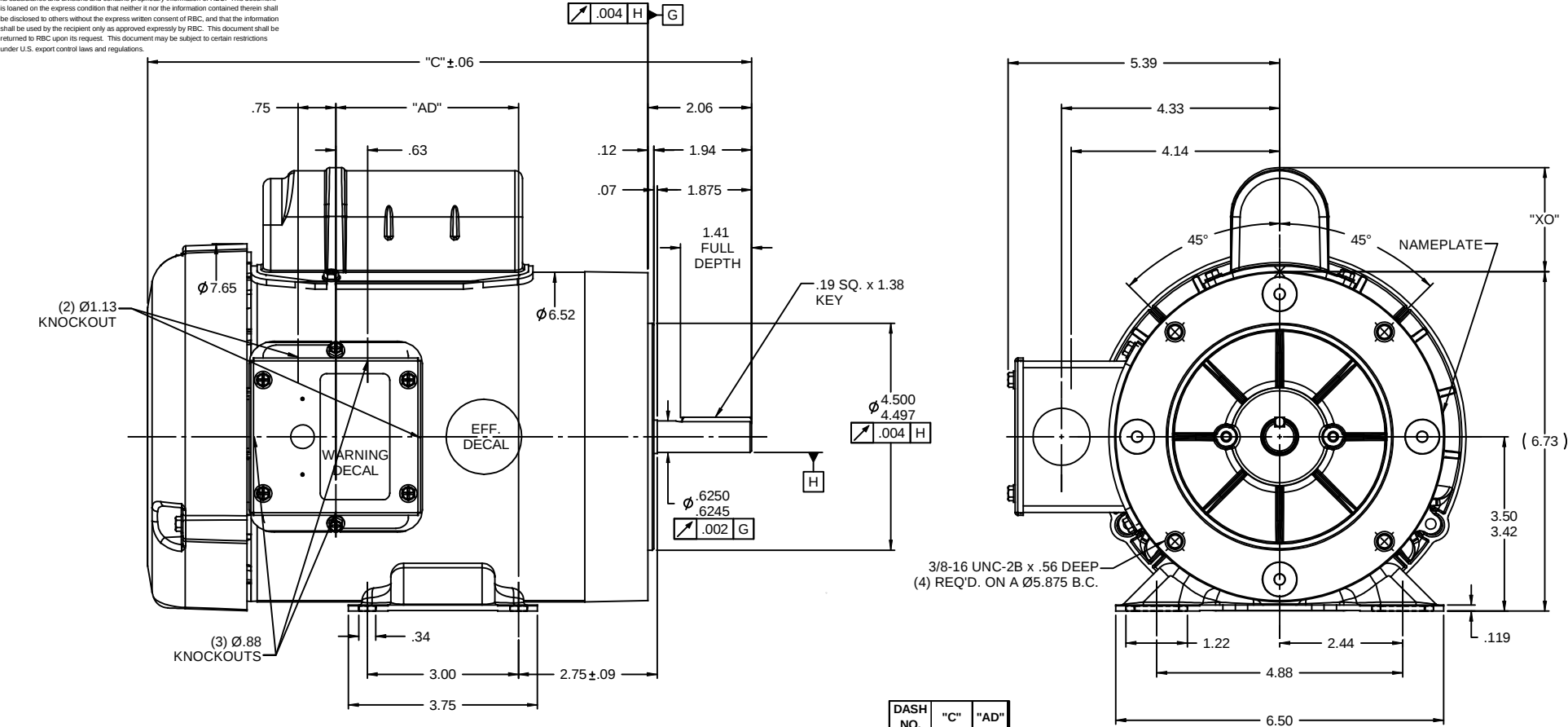


Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	12.8/6.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	75 %	Power Factor	68
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	K
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	1.9 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	11.98 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005005.01	Outline Drawing	028857-650B

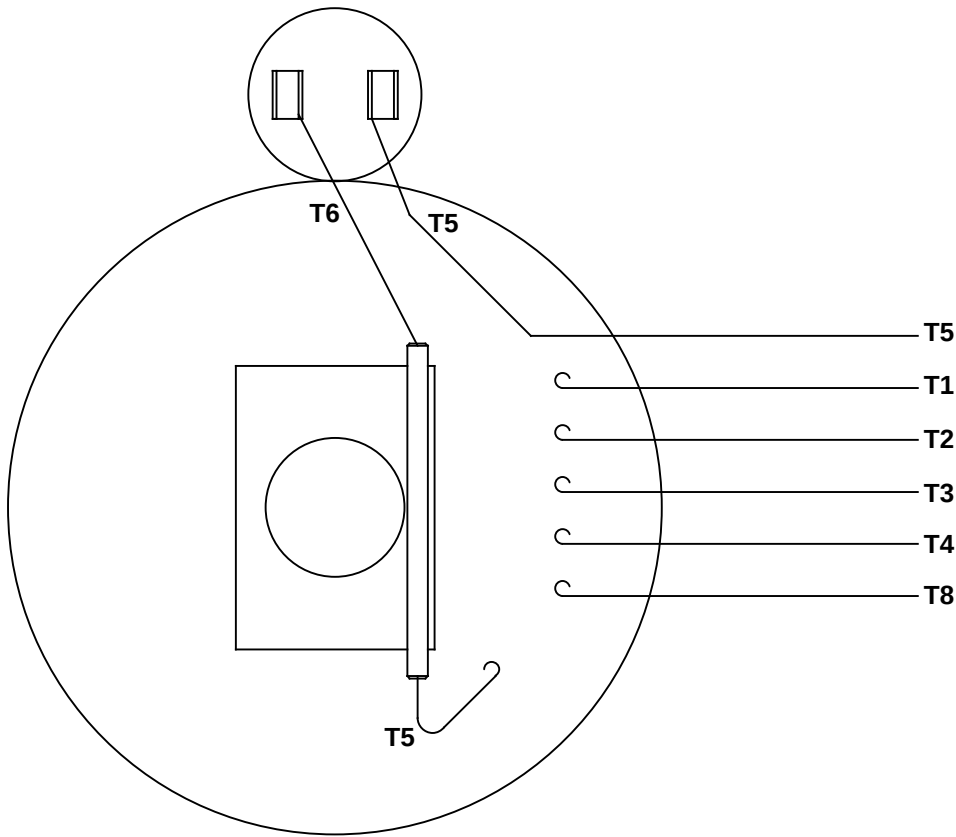


NOTES:
1) GASKETS THROUGHOUT

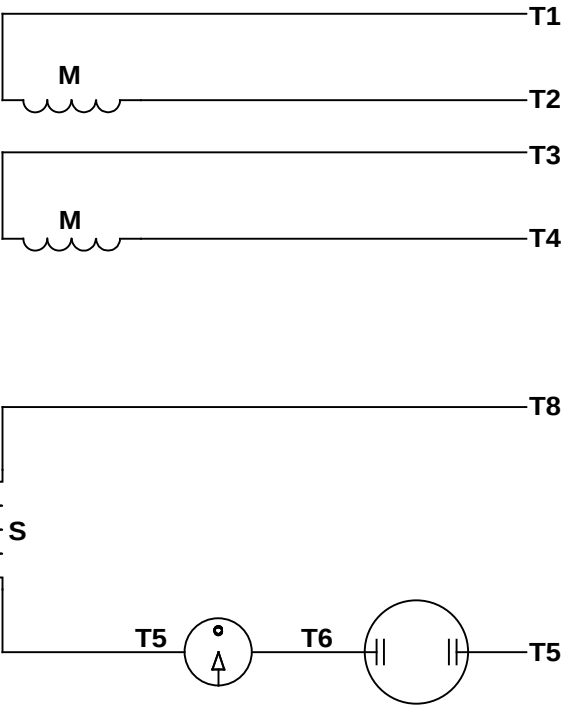
DASH NO.	"C"	"AD"	CAP. DASH	"XO"
500	10.48	2.12		
550	10.98	2.62		
600	11.48	3.12		
650	11.98	3.62		
700	12.48	4.12		
750	12.98	4.62		
800	13.48	5.12		
850	13.98	5.62		

				TOLERANCES UNLESS SPECIFIED:		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN GRB 07/22/08	
				DEC INCHES		LEESON		CHK DJ 07/22/08	
				X ±.1				APPR	
				XX ±.03		TITLE OUTLINE - 56C FRAME		SCALE 1:2	
				XXX ±.005		TEFC - "C" FACE		REF 028851	
01		ADDED FRAMES 500, 550 & 600		GWS XXXX ±.0005		MAT'L		FMF 110180.00	
NO		REVISION		BY & DATE		CHK ANG ±1/2"		PAGE 1 OF 1	
				RFP 07/22/08		FINISH		REV	
				NETWORK FILE NAME		SIZE B		DRAWING NO 028857	
								01	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

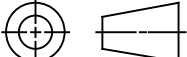


LINE LEADS



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	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4, T5	T2, T3, T8
	C.W.	T1	T4, T8	T2, T3, T5
LOW VOLT	C.C.W.	T1, T3, T8	T2, T4, T5	-----
	C.W.	T1, T3, T5	T2, T4, T8	-----

--	REDRAWN IN SOLIDWORKS	VJB 02/16/11		TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN ADH 08/06/73	
27	UPDATED TO CURRENT STANDARDS	DBT 05/27/97		DEC	INCHES				CHK	
26	ADDED PAGE 32 (114787) & PAGE 33 (114788)	KAZ 12/20/95	PG	.X	±.1		TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR		APPR JCW 03/09/79	
25	ADDED PAGE 31	KAZ 04/19/95	DL	.XX	±.01				SCALE 1:1	
24	ADDED PAGES 29 & 30	KMM 03/30/95	DL	.XXX	±.005				REF FIG 2-23 C4A	
23	ADDED PAGE 28	KMM 01/27/95		.XXXX	±.0005	MAT'L DECAL - 004012		FMF MGI-2.4B		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH		PAGE OF		
THIRD ANGLE PROJECTION 			RFP		PREV		SIZE	DRAWING NO		REV
			NETWORK FILE NAME 00500501		A		005005-01		--	



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005005.01
OUTLINE: 028857-650B
WINDING #: C634256 FR 3 D

CATALOG #: 110908.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	56C	TEFC	K	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12.8/6.4	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	75	3/4 LOAD EFF:	72.8	1/2 LOAD EFF:	69.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	68	3/4 LOAD PF:	58	1/2 LOAD PF:	45.6	70	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	66 / 33	9 LB-FT 300 %	7 LB-FT 233 %	73

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
64 dBA	74 dBA	0 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	33 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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						
6203	6203						
		POLYREX EM	STANDARD 56	56T	56T	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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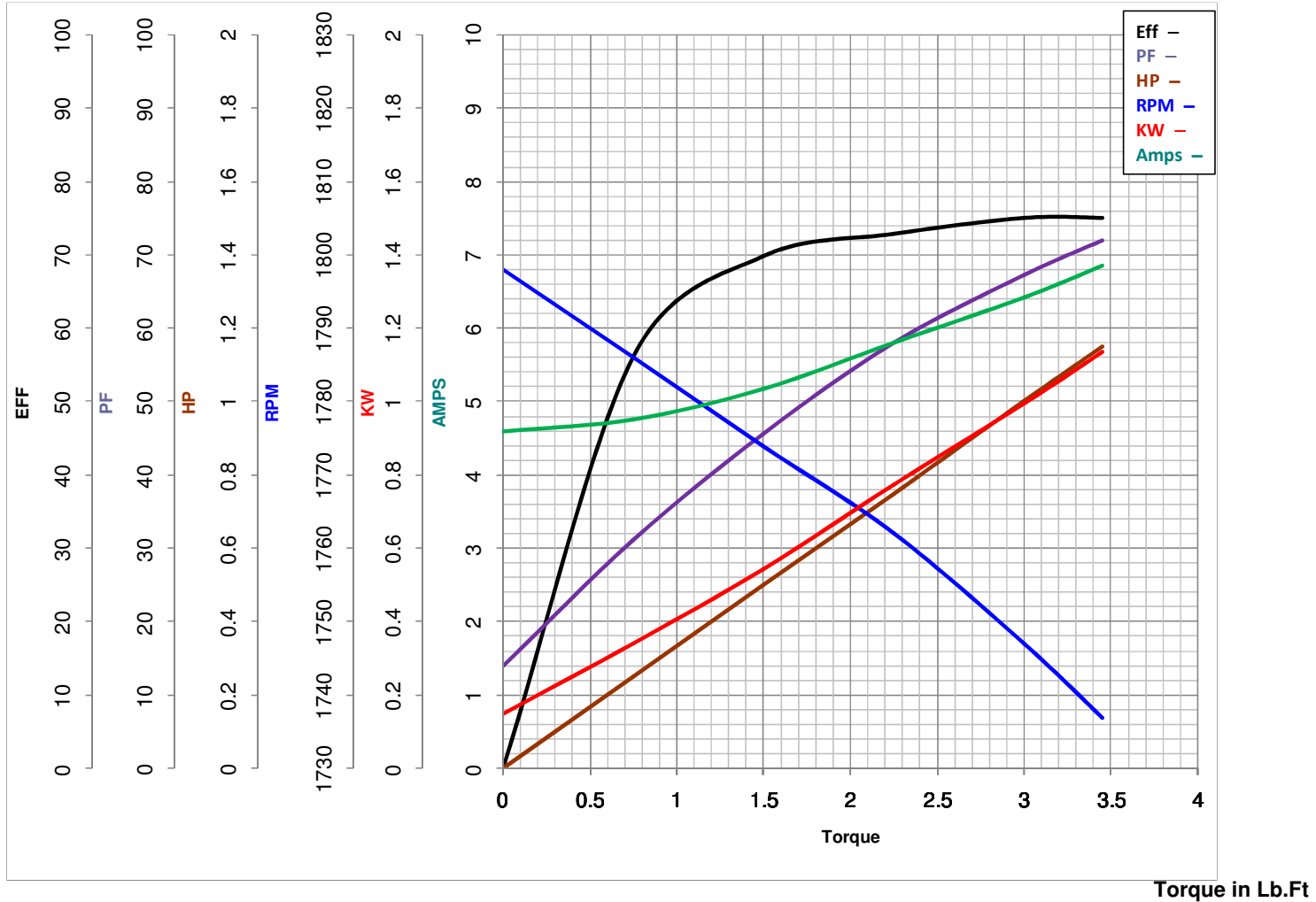
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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 110908.00Curve at 230
60
1Volts
HZ
HPHP 1.00PHASE 1VOLTS 115/208-230Catalog No 110908.00HZ 60RPM 1725

FL TORQUE 3 Lb.Ft
 BD TORQUE 7.0 Lb.Ft
 LR TORQUE 9 Lb.Ft

FL AMPS 12.8/6.4
 PU TORQUE 6.7 Lb.Ft
 LR AMPS 33

WINDING C634256-3

Date 3/26/2018