

PRODUCT INFORMATION PACKET



Model No: 111095.00

Catalog No: 111095.00

Explosion Proof Motor, 0.33 HP, 1 Ph, 60 Hz, 115/208-230 V, 3600 RPM, 56C Frame, EPFC



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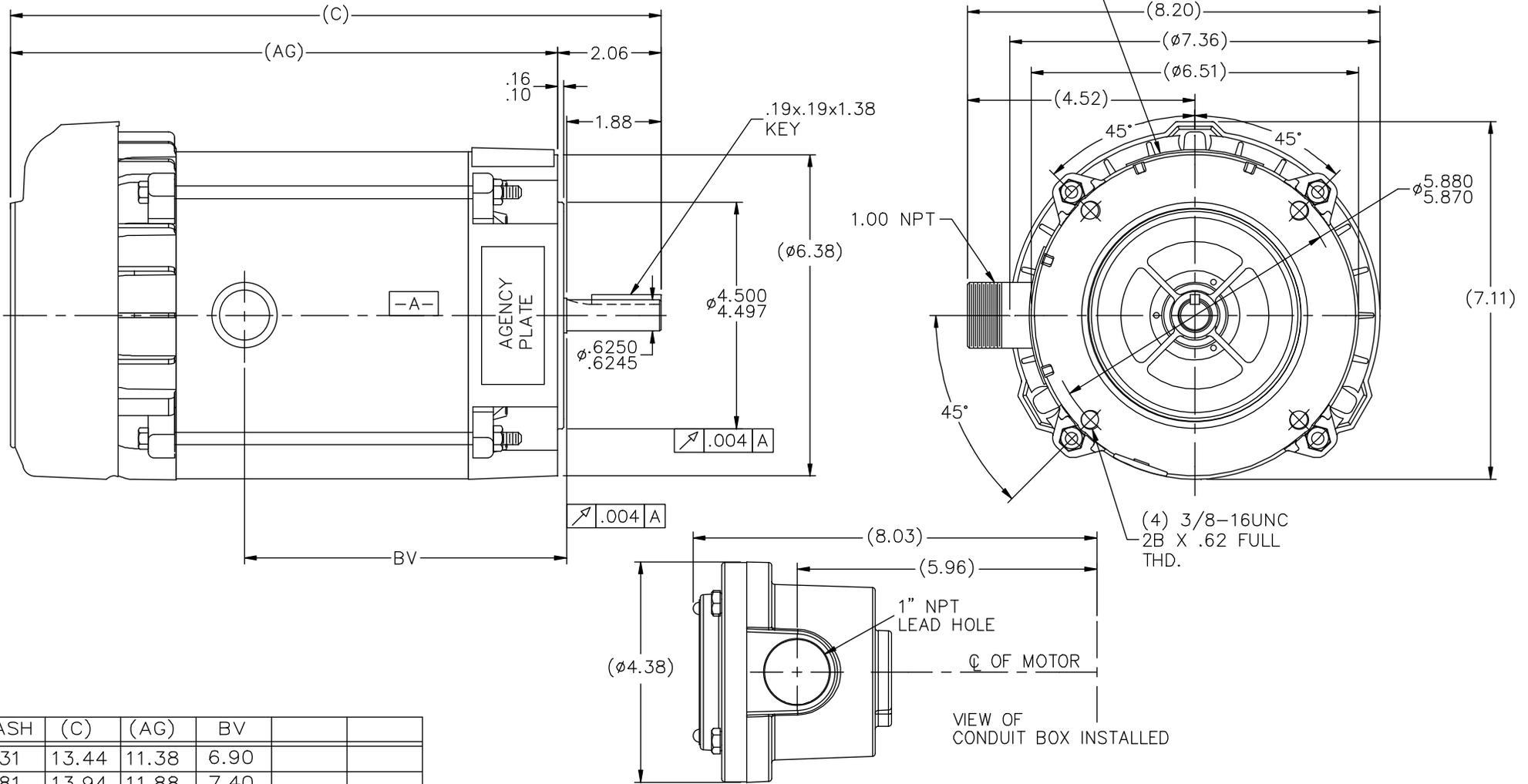
Nameplate Specifications

Phase	1	Output HP	0.33 Hp
Output KW	0.25 kW	Voltage	115/208-230 V
Speed	3450 rpm	Service Factor	1.0
Frame	56C	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Efficiency	50.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.0/3.2-3.5 A	Power Factor	58
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	S
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C

Technical Specifications

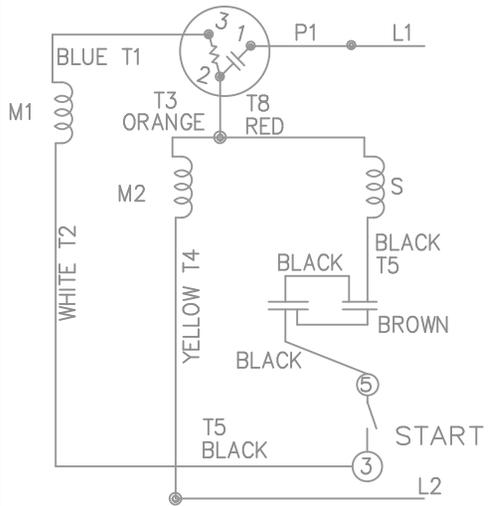
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	13.44 in	Frame Length	6.31 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	102005-109LE	Outline Drawing	104188LE-631

NAMEPLATES TO BE READ FROM SHAFT EXT. END.

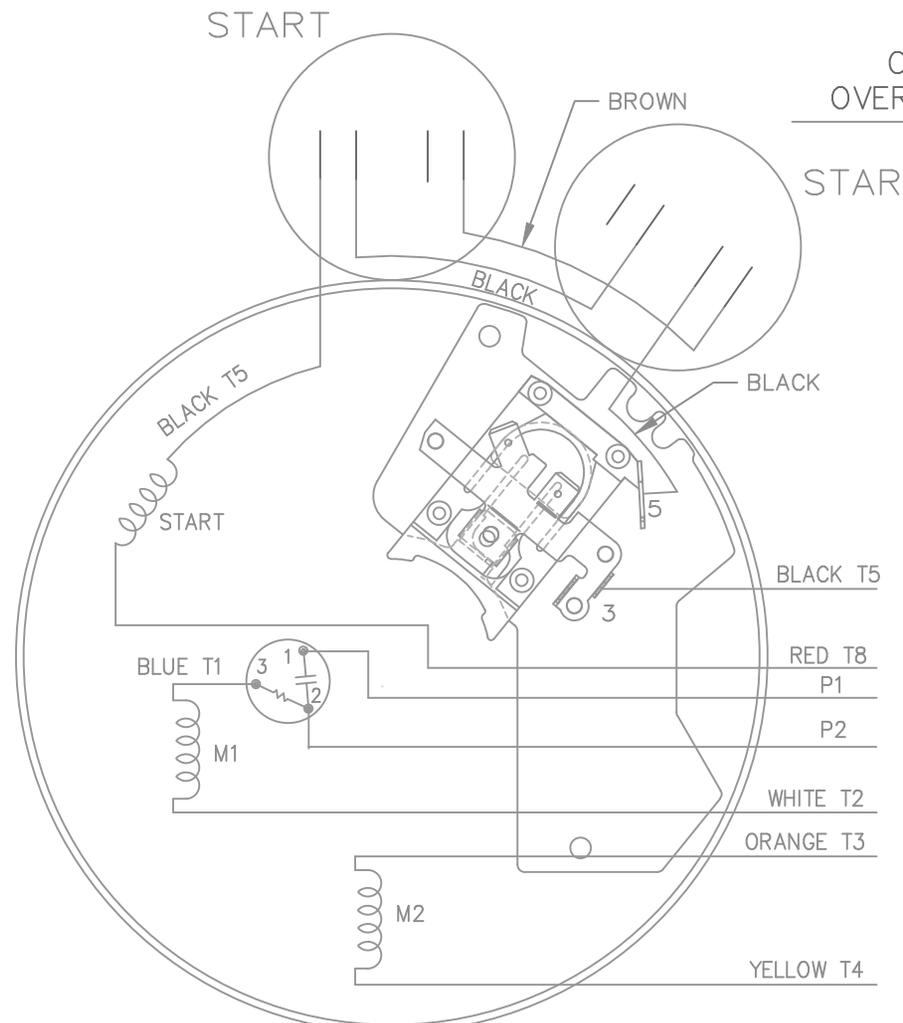
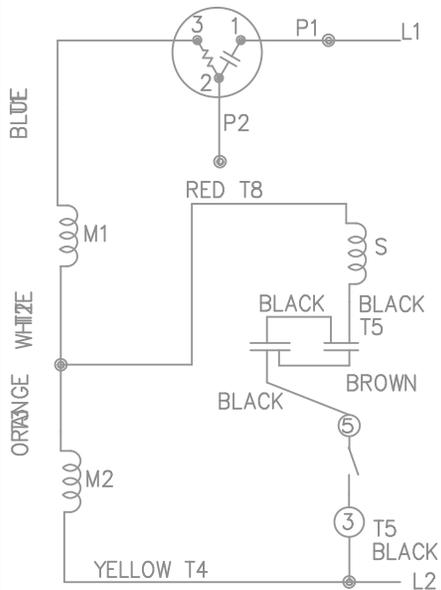


DASH	(C)	(AG)	BV		
631	13.44	11.38	6.90		
681	13.94	11.88	7.40		
731	14.44	12.38	7.90		
781	14.94	12.88	8.40		
831	15.44	13.38	8.90		
881	15.94	13.88	9.40		
931	16.44	14.38	9.90		
981	16.94	14.88	10.40		

		TOLERANCES UNLESS SPECIFIED		LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RJW 06-22-2007	
		DEC.	INCHES					CHK	ML 06-22-2007
		.X	±.1					APPD	GK 06-22-2007
		.XX	±.03			TITLE OUTLINE - 'C' FACE		SCALE	17=32
		.XXX	±.005			56 FR. - EXP. PR.		REF	
01	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD	10/10/13	ST	.XXXX ±.0005	MAT'L.		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	06-22-2007	CAD FILE 104188LE		SIZE	DRAWING NO. PAGE OF REV.
				DIST	WP			B	104188LE 01

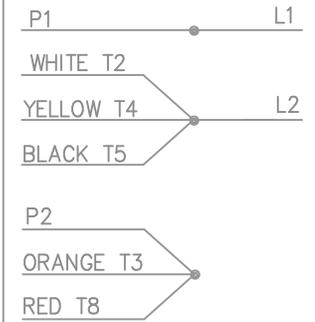


HIGH VOLTAGE - C.C.W.

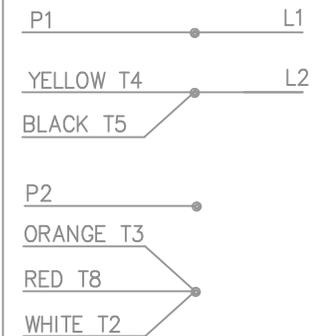


DUAL VOLTAGE CAPACITOR START OVERLOAD SELECT ROT.

LOW VOLT. - C.C.W. ROT.



HIGH VOLT. - C.C.W. ROT.



FOR C.W. ROTATION
EITHER VOLTAGE
INTERCHANGE RED(T8)
WITH BLACK(T5) LEAD

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MJD 02-11-1998			
				DEC.	INCHES		CHK ML 02-19-1998			
				.X	± -		APPD DAR 02-23-1998			
				.XX	± -		SCALE 5=8			
				.XXX	± -		REF			
				.XXXX	± -	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	± -	PREV				
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				DIST	WP					



CERTIFICATION DATA SHEET

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

CATALOG #: 111095.00

CONN. DIAGRAM: A-102005-109LE

OUTLINE: B-104188LE-631

MOUNTING: F1 ONLY

WINDING #: ZC280 R4 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	3600	3450	56C	EPFC	S	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	7/3.2-3.5	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	50.5	3/4 LOAD EFF:	43.1	1/2 LOAD EFF:	35.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	58	3/4 LOAD PF:	54	1/2 LOAD PF:	45.5	47		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.9 OZ-FT	49.6 / 24.8	46 OZ-FT 582 %	37.5 OZ-FT 475 %	40

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 LB-FT^2	0 LB-FT^2	10 SEC.	0	28 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	EXP PROOF CL I GR C&D CL II GR F&G T3C	FALSE	NONE	BLUE - LEESON (ENAMEL)

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

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

*
N
O
T
E

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



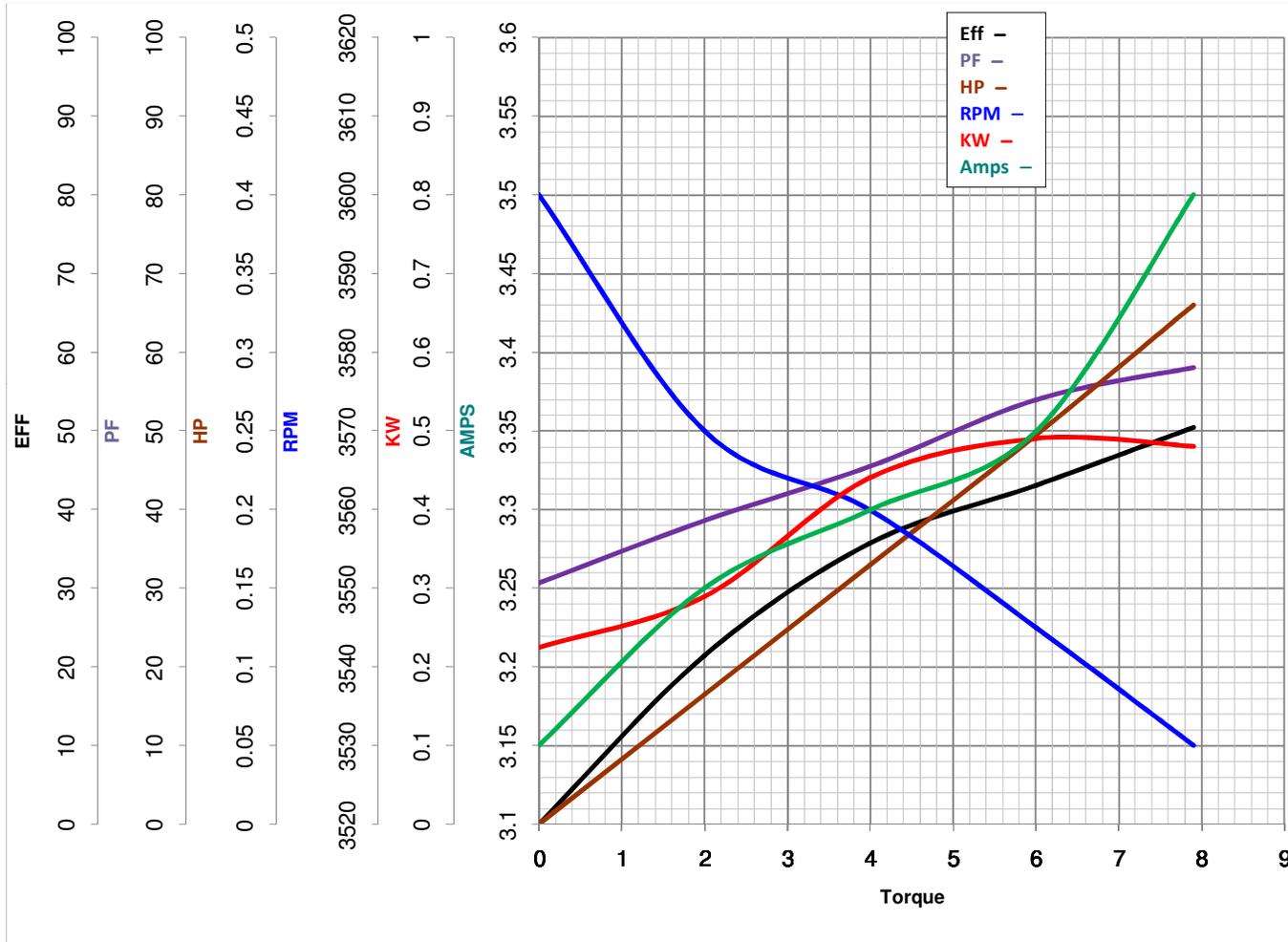
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 111095.00

Catalog No 111095.00

Curve at 230 Volts HP 0.34 PHASE 1
60 HZ
0.33 HP VOLTS 115/208-230

HZ 60 RPM 3450



Torque in Oz.Ft

FL TORQUE 7.9 Oz.Ft
 BD TORQUE 37.5 Oz.Ft
 LR TORQUE 46 Oz.Ft

FL AMPS 7/3.2-3.5
 PU TORQUE 35.2 Oz.Ft
 LR AMPS 24.8

WINDING ZC280-3

Date 3/27/2018