

PRODUCT INFORMATION PACKET



Model No: 111097.00

Catalog No: 111097.00

Explosion Proof Motor, 0.75 HP, 1 Ph, 60 Hz, 115/208-230 V, 3600 RPM, 56C Frame, EPFC



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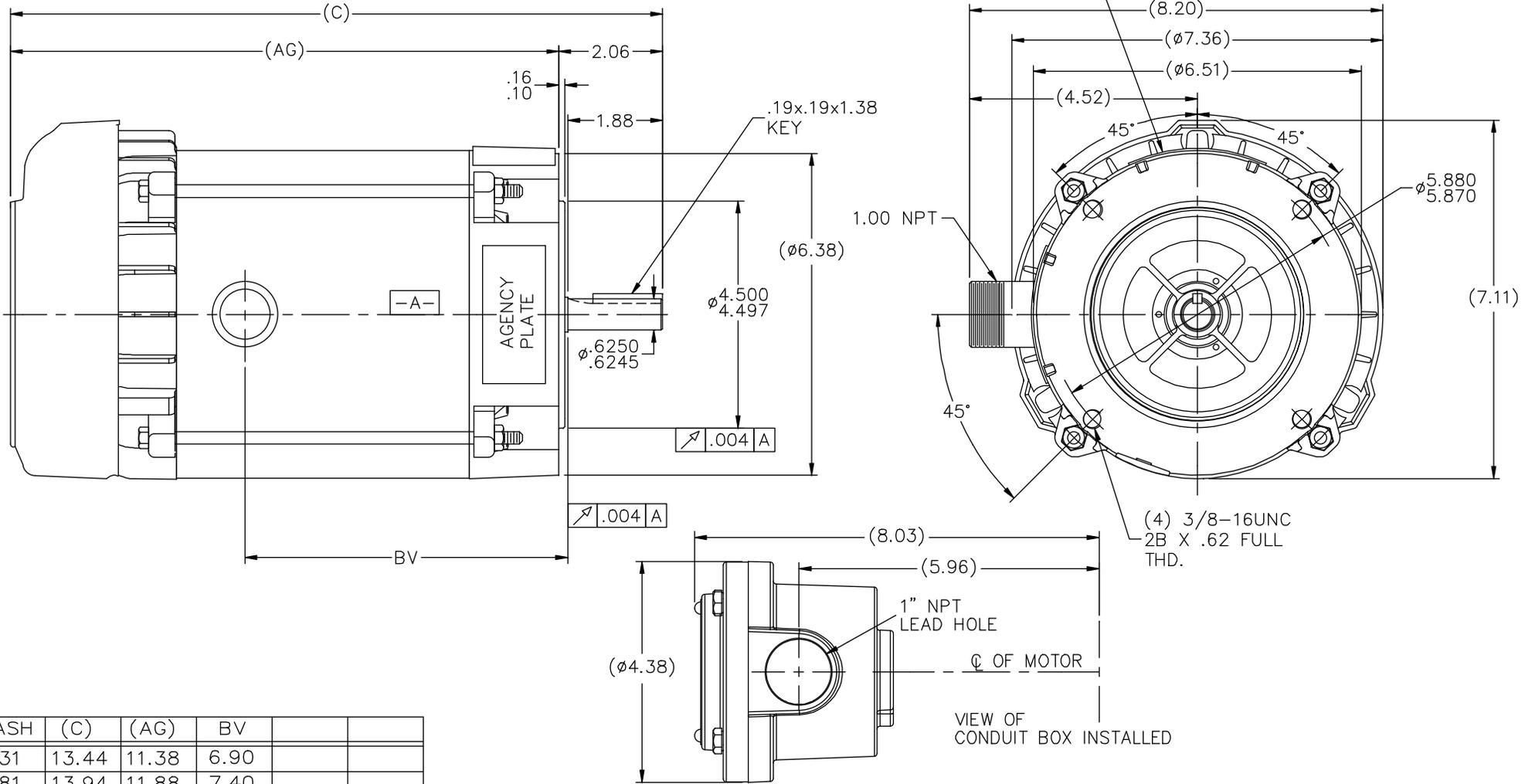
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	10.6/5.3-5.3 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	66 %	Power Factor	71.9
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	M
Frame	56C	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C	Number of Speeds	1

Technical Specifications

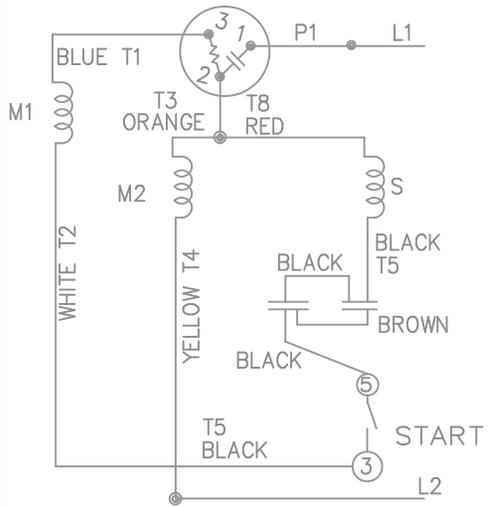
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.94 in
Frame Length	6.81 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	102005-109LE	Outline Drawing	104188LE-681

NAMEPLATES TO BE READ FROM SHAFT EXT. END.

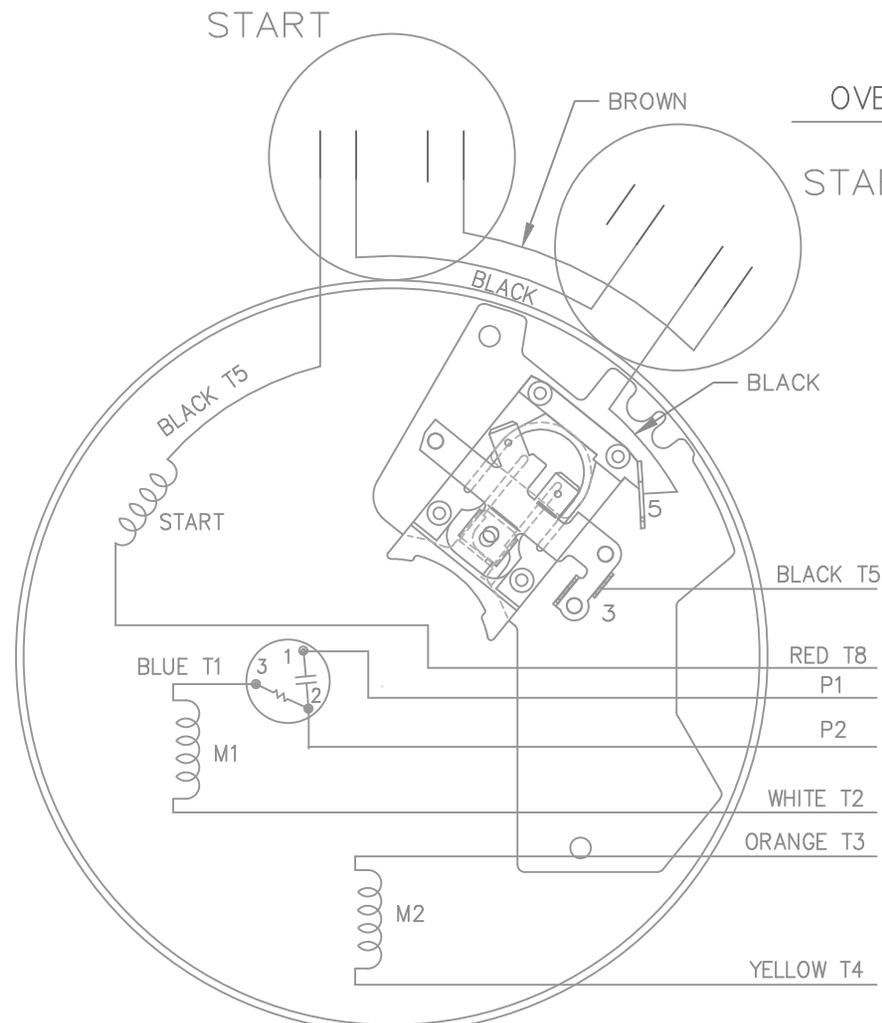
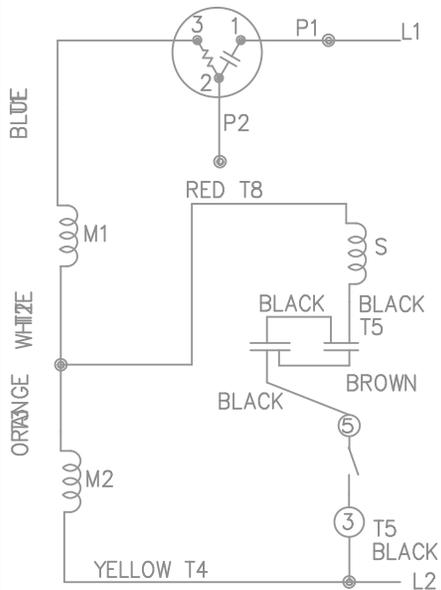


DASH	(C)	(AG)	BV		
631	13.44	11.38	6.90		
681	13.94	11.88	7.40		
731	14.44	12.38	7.90		
781	14.94	12.88	8.40		
831	15.44	13.38	8.90		
881	15.94	13.88	9.40		
931	16.44	14.38	9.90		
981	16.94	14.88	10.40		

		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	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

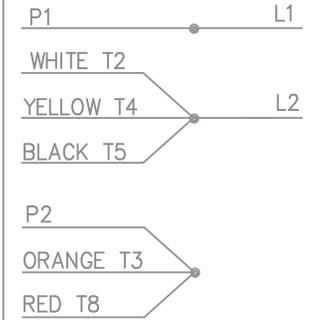


HIGH VOLTAGE - C.C.W.

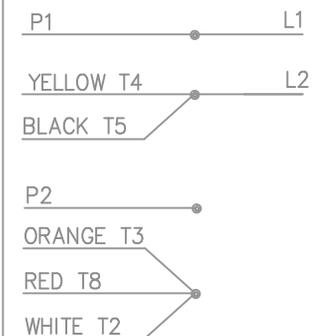


DUAL VOLTAGE CAPACITOR START OVERLOAD SELECT ROT.

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 TITLE CONNECTION DIAGRAM MAT'L. FINISH	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			
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				DIST	WP	A	102005-109LE	0	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-102005-109LE

CATALOG #: 111097.00

OUTLINE: B-104188LE-681

MOUNTING: F1 ONLY

WINDING #: ZC204 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	3600	3450	56C	EPFC	M	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	10.6/5.3-5.3	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	62.8	1/2 LOAD EFF:	55.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	71.9	3/4 LOAD PF:	62.8	1/2 LOAD PF:	53.5	62	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
18 OZ-FT	69.4 / 34.7	59.6 OZ-FT 331 %	54.1 OZ-FT 301 %	65

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	0 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	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

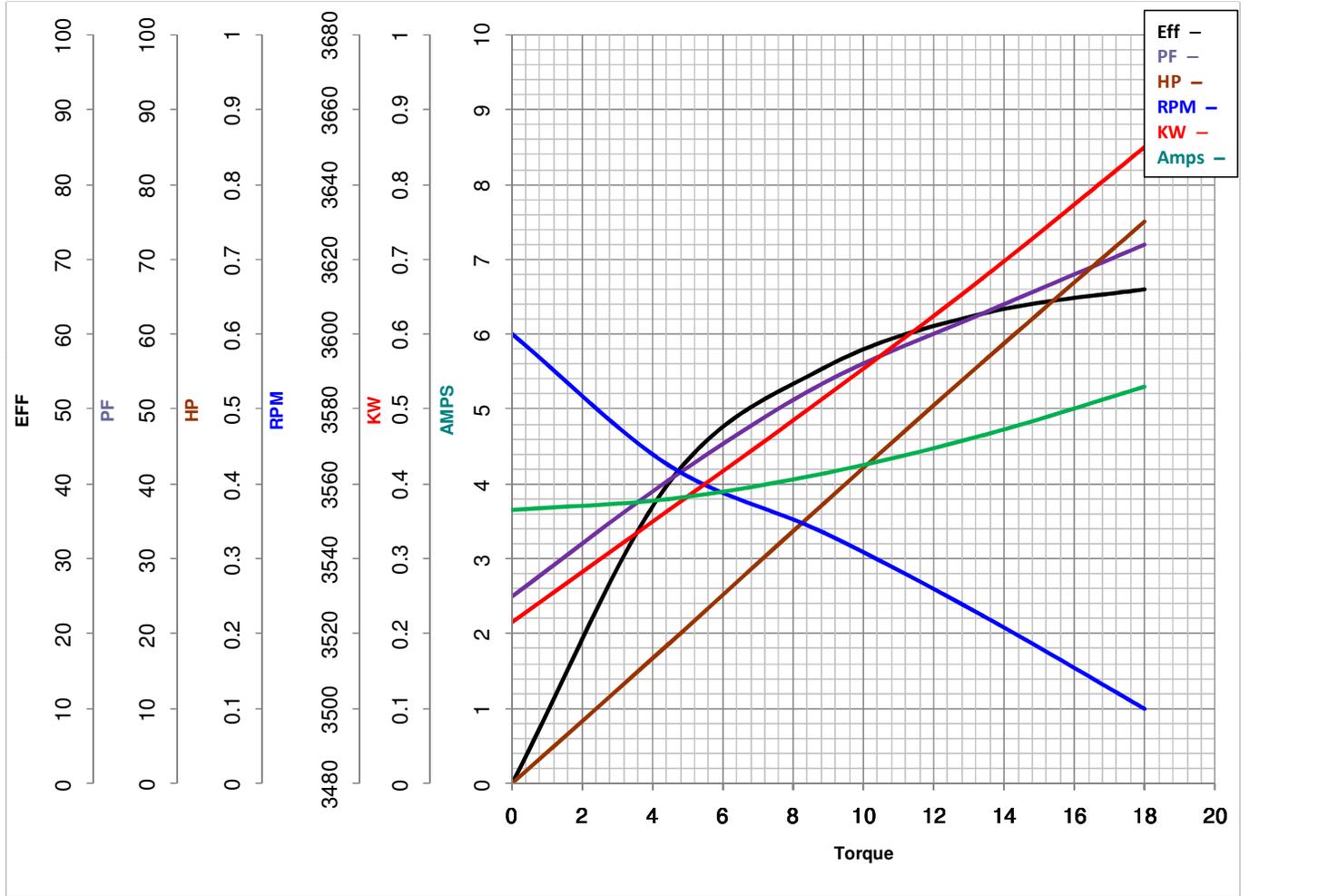


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 111097.00

Catalog No 111097.00

Curve at 230 Volts HP 0.75 PHASE 1
60 HZ
0.75 HP VOLTS 115/208-230
HZ 60 RPM 3450



Torque in Oz.Ft

FL TORQUE 18 Oz.Ft
 BD TORQUE 54.1 Oz.Ft
 LR TORQUE 59.6 Oz.Ft

FL AMPS 10.6/5.3-5.3
 PU TORQUE 48.6 Oz.Ft
 LR AMPS 34.7

WINDING ZC204-4

Date 5/2/2018