

PRODUCT INFORMATION PACKET



Model No: 6439191252
Catalog No: 6439191252
1 HP Boat Hoist Duty Motor, 1 phase, 1800 RPM, 115/230 V, 56C Frame, TENV
Boat Hoist Duty Motors



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Nameplate Specifications

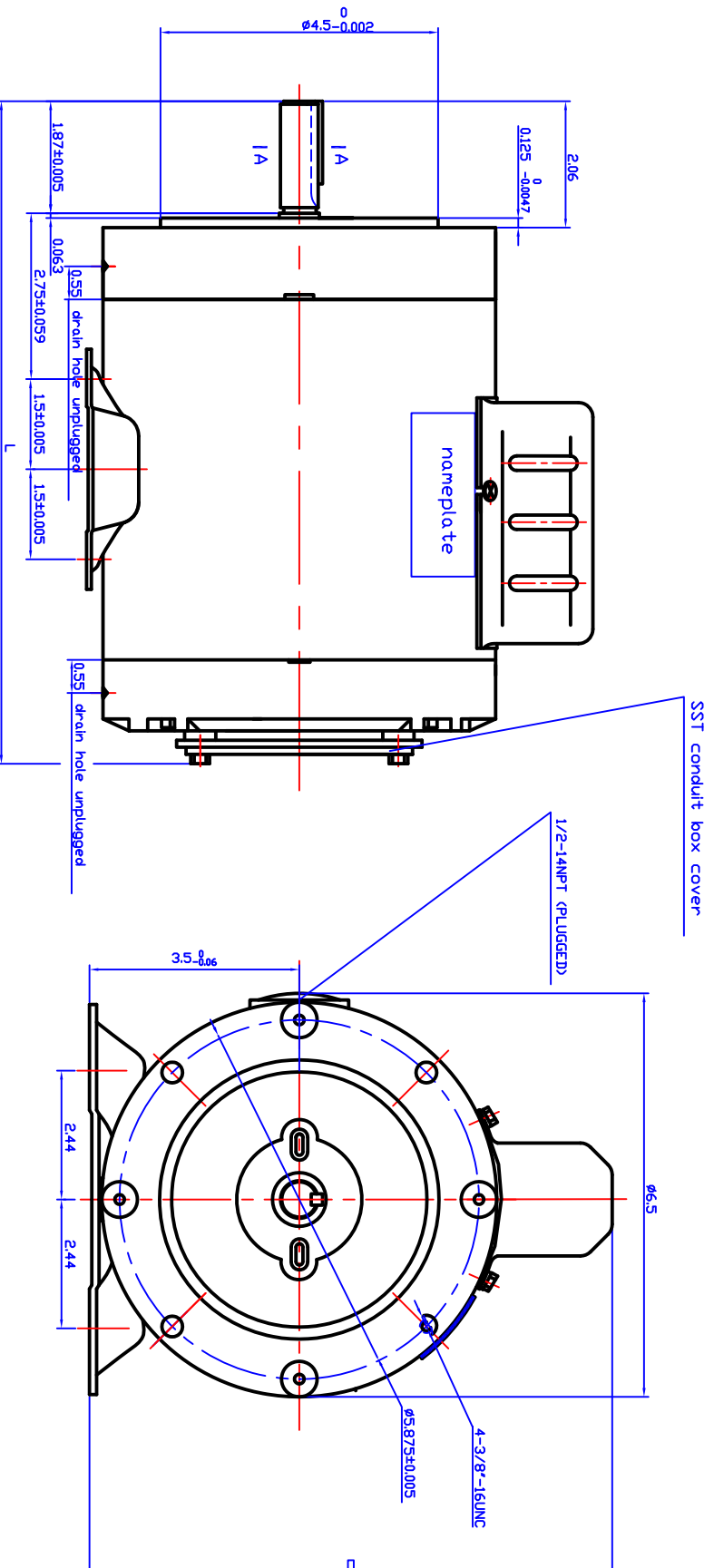
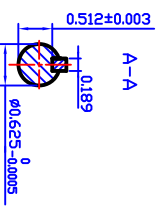
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/230 V
Current	13.6/6.8 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	69 %	Power Factor	69
Duty	15 Minute	Insulation Class	B
Design Code	N	KVA Code	K
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

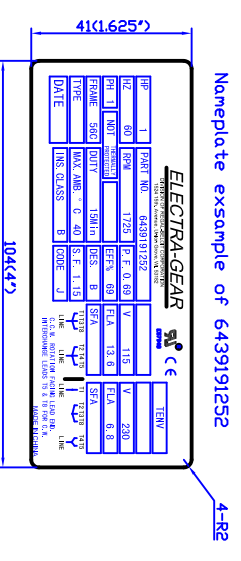
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	11.70 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005005.01	Outline Drawing	169992.00

Note:

1. The capacitor leads to be connected using flag terminals.
2. All the hardware are using SST..
3. Drain holes at 6:00.
4. C flange mounting holes have plugs.



Electra Cat. No.	FRAME	HP	Volt	RPM	Hz	PH	Encl.	S.F.	Duty	thermal protector	L	□
6439191250	56C	1/2	115/230	1725	60	1	TENV	1.15	15min.	N/A	10.5	8.3
6439191251	56C	3/4	115/230	1725	60	1	TENV	1.15		N/A	11.1	8.7
6439191252	56C	1	115/230	1725	60	1	TENV	1.15		N/A	11.7	8.7



TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN	TITLE
			APPR.	6439191250,6439191251,6439191252 outline drawing
			R.F.P.	CUSTOMER
			SCALE	DATE 2009.9.29
			REV.	REV.
			FWF	DRAWING NO. 169992.00

NO.	REVISION	BY & DATE	CHK'D.

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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		LEESON	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	MAT'L DECAL - 004012		SCALE 1:1
24	ADDED PAGES 29 & 30	KMM 03/30/95	DL	.XXX ±.005	FINISH		REF FIG 2-23 C4A
23	ADDED PAGE 28	KMM 01/27/95		.XXXX ±.0005	RFP		FMF MGI-2.4B
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	PREV		PAGE OF
THIRD ANGLE PROJECTION			RFP		SIZE A		DRAWING NO
			NETWORK FILE NAME 00500501		REV		005005-01
							--



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005005.01

CATALOG #: 6439191252

OUTLINE: 169992.00

MOUNTING: F1 ONLY

WINDING #: QC63419 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	13.6/6.8	ACROSS THE LINE	15 MINUTE	B5	1.15	40

FULL LOAD EFF:	69	3/4 LOAD EFF:	72.5	1/2 LOAD EFF:	67.8	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	69	3/4 LOAD PF:	59.8	1/2 LOAD PF:	47.5	64	CAP START IND RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.4 OZ-FT	72.9 / 36.5	152.3 OZ-FT 315 %	119 OZ-FT 246 %	85.7

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	41 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	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	STAINLESS STEEL
6203	6203						

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

*
N
O
T
E
S

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



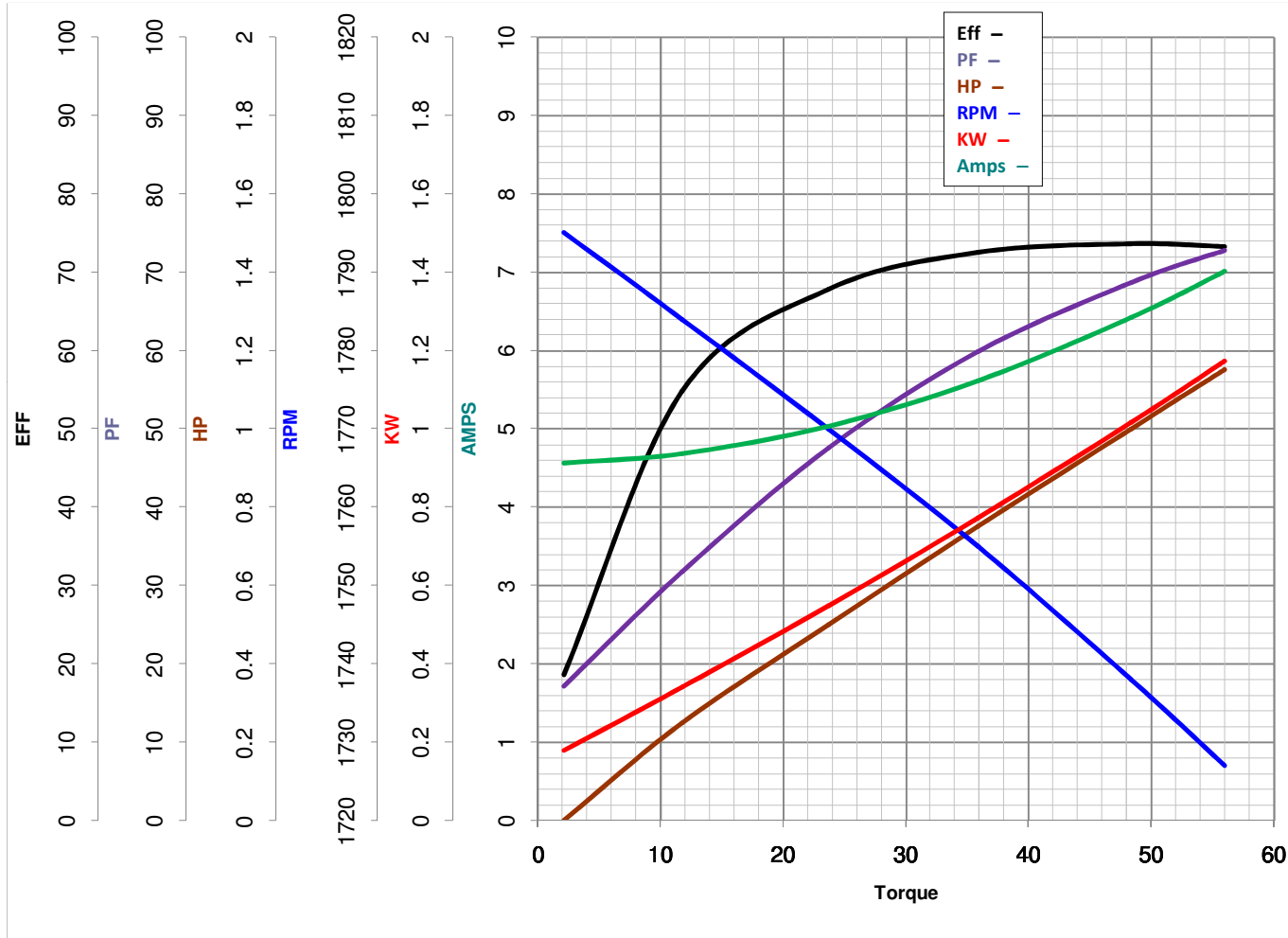
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 6439191252

Curve at 230 Volts HP 1.00 PHASE 1
60 HZ
1 HP VOLTS 115/230

Catalog No 6439191252

HZ 60 RPM 1725



Torque in Oz.Ft

FL TORQUE 48.4 Oz.Ft
 BD TORQUE 119.0 Oz.Ft
 LR TORQUE 152.3 Oz.Ft

FL AMPS 13.6/6.8
 PU TORQUE 105.9 Oz.Ft
 LR AMPS 36.47

WINDING QC63419-3

Date 4/23/2018