

PRODUCT INFORMATION PACKET



Model No: 120947.00

Catalog No: 120947.00

Definite Purpose Motor, 1.50 & 0.38 HP, 3 Ph, 60 & 60 Hz, 208-230 & 208-230 V, 1800 & 1800 RPM,
145T Frame, TEFC



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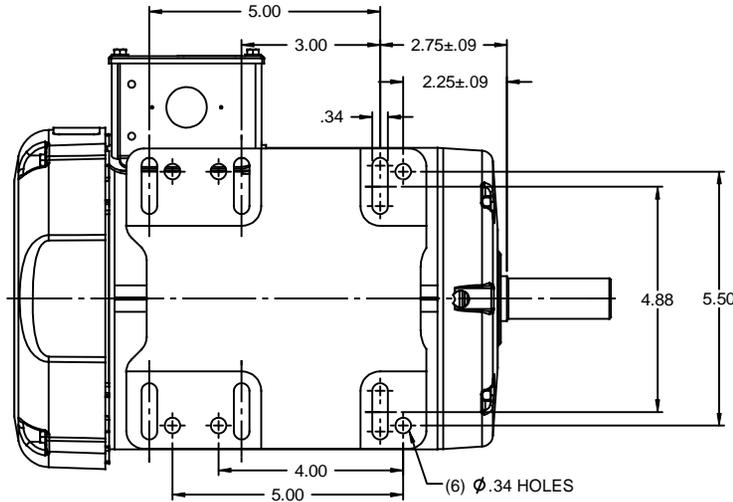
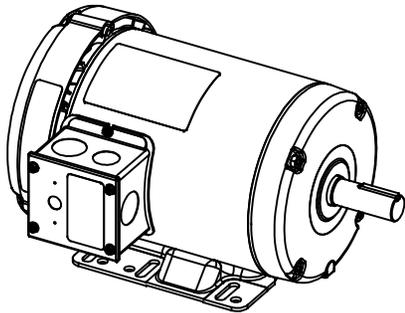
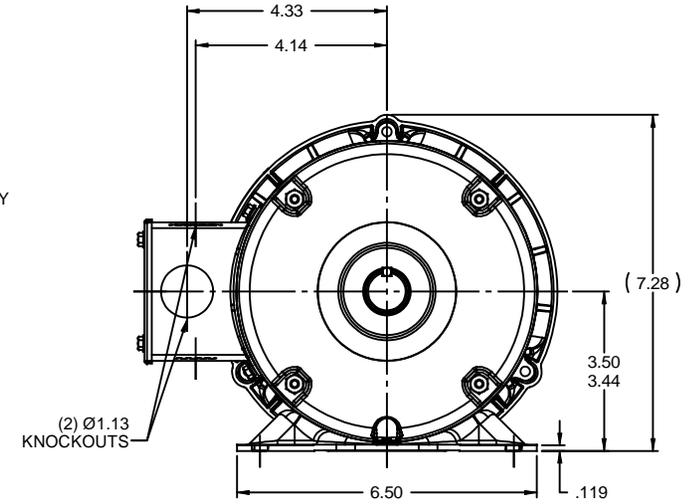
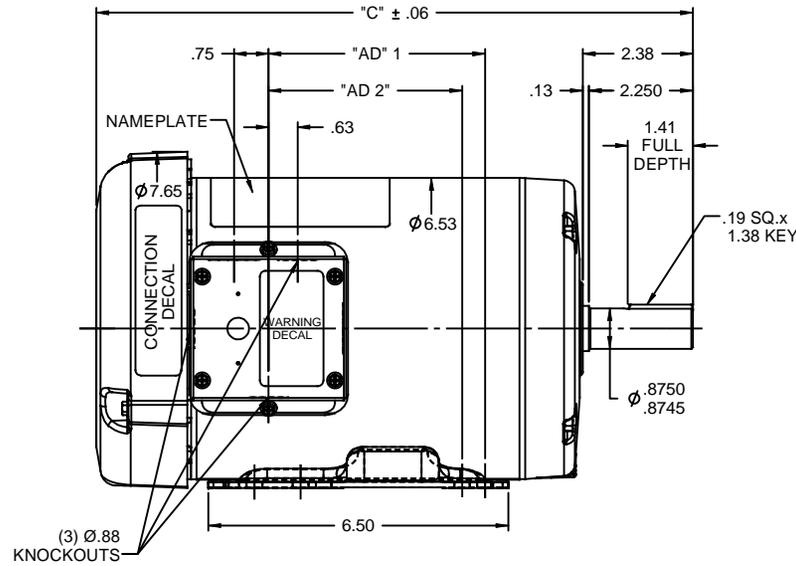
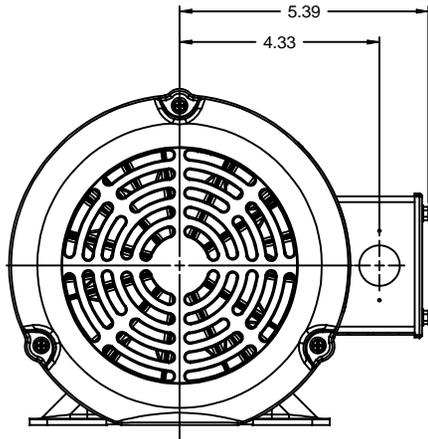


Nameplate Specifications

Phase	3	Output HP	1.50 & 0.38 Hp
Output KW	1.1 & 0.28 kW	Voltage	208-230 & 208-230 V
Speed	1725 & 850 rpm	Service Factor	1.0 & 1.0
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	79 & 62.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	4.8 & 2 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	J
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	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	12.43 in
Frame Length	6.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005200.01	Outline Drawing	028877-650



NOTE:
1) GASKETS THROUGHOUT

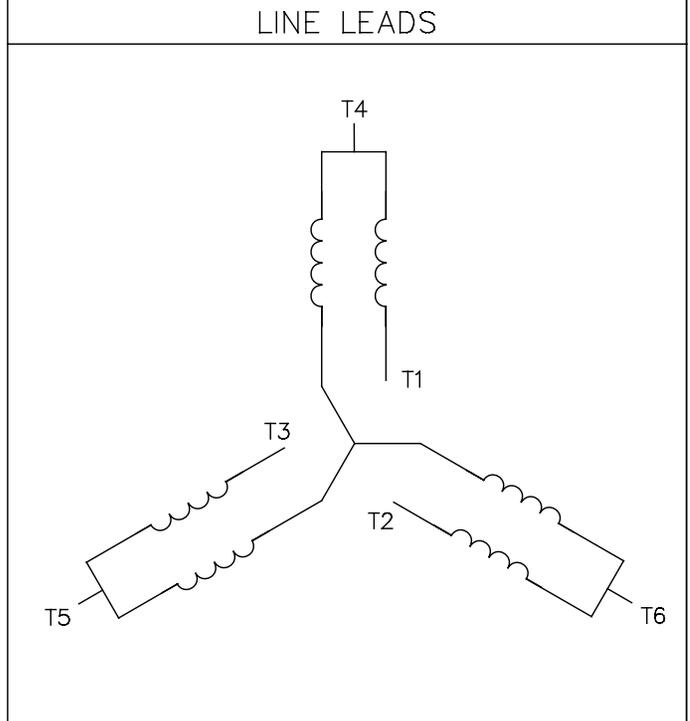
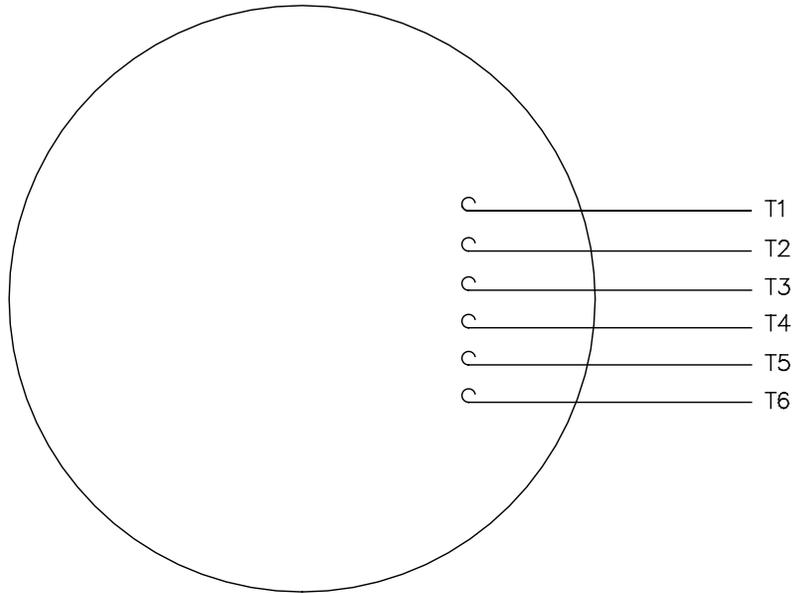
DASH NO.	"C"	"AD 1"	"AD 2"
600	11.93	3.69	3.19
650	12.43	4.19	3.69
675	12.68	4.44	3.94
700	12.93	4.69	4.19
750	13.43	5.19	4.69
800	13.93	5.69	5.19
850	14.43	6.19	5.69

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TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KA 09/02/2008		
DEC	INCHES		CHK	RVD 09/02/2008	
X	±.1	TITLE OUTLINE - 140T/56HZ FRAME TEFC - RIGID MAT'L	APPR		
.XX	±.03		SCALE	3:8	
.XXX	±.005		REF	028765	
.XXX	±.0005		FMF	120946	
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH GENERAL PURPOSE	PAGE OF
	THIRD ANGLE PROJECTION		RFP	PREV	SIZE
			NETWORK FILE NAME		DRAWING NO
					B
					028877
					REV

005200-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



SPEED	LINE LEADS			JOIN	SEPARATE
	L1	L2	L3		
HIGH	T6	T4	T5	(T1,T2,T3)	
LOW	T1	T2	T3		(T4)(T5) (T6)

				TOLERANCES UNLESS OTHERWISE SPECIFIED		Regal Beloit America, Inc.				
				DECIMALS						
				.00	± .01	DRAWN PG 08/08/83	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR			
04	SPEED WAS VOLTAGE	EPB	1/17/00	.000	± .005	CH'K'D. DLL 08/09/83				
03	REDRAWN TO CURRENT STANDARDS	DBT	05/30/97	.0000	± .0005	APPR. KG 08/09/83	MAT'L DECAL - 004183/080066 2 SPEED 1 WDG. VARIABLE TORQUE MOTOR			
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1				
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				ANGLES		REF. 080066	FINISH		SIZE A	DRAWING NO. 005200-01
				INCH/MM		FMF 83648D1				



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005200.01

CATALOG #: 120947.00

OUTLINE: 028877-650

MOUNTING: F1 ONLY

WINDING #: T63(4-8)37 FR 1 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&3/8	1.12&0.28	900	1725&850	145T	TEFC	J	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/60	208-230&208-230	4.8&2	ACROSS THE LINE	CONTINUOUS	F4	1.0/1.0	40

FULL LOAD EFF:	79&62.5	3/4 LOAD EFF:	59.7	1/2 LOAD EFF:	52.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	74.5&51.5	3/4 LOAD PF:	43.9	1/2 LOAD PF:	35.5	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.25 LB-FT	6.3	3.83 LB-FT 170 %	5.25 LB-FT 233 %	78

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.108 LB-FT^2	- LB-FT^2	10 SEC.	-	0 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	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	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



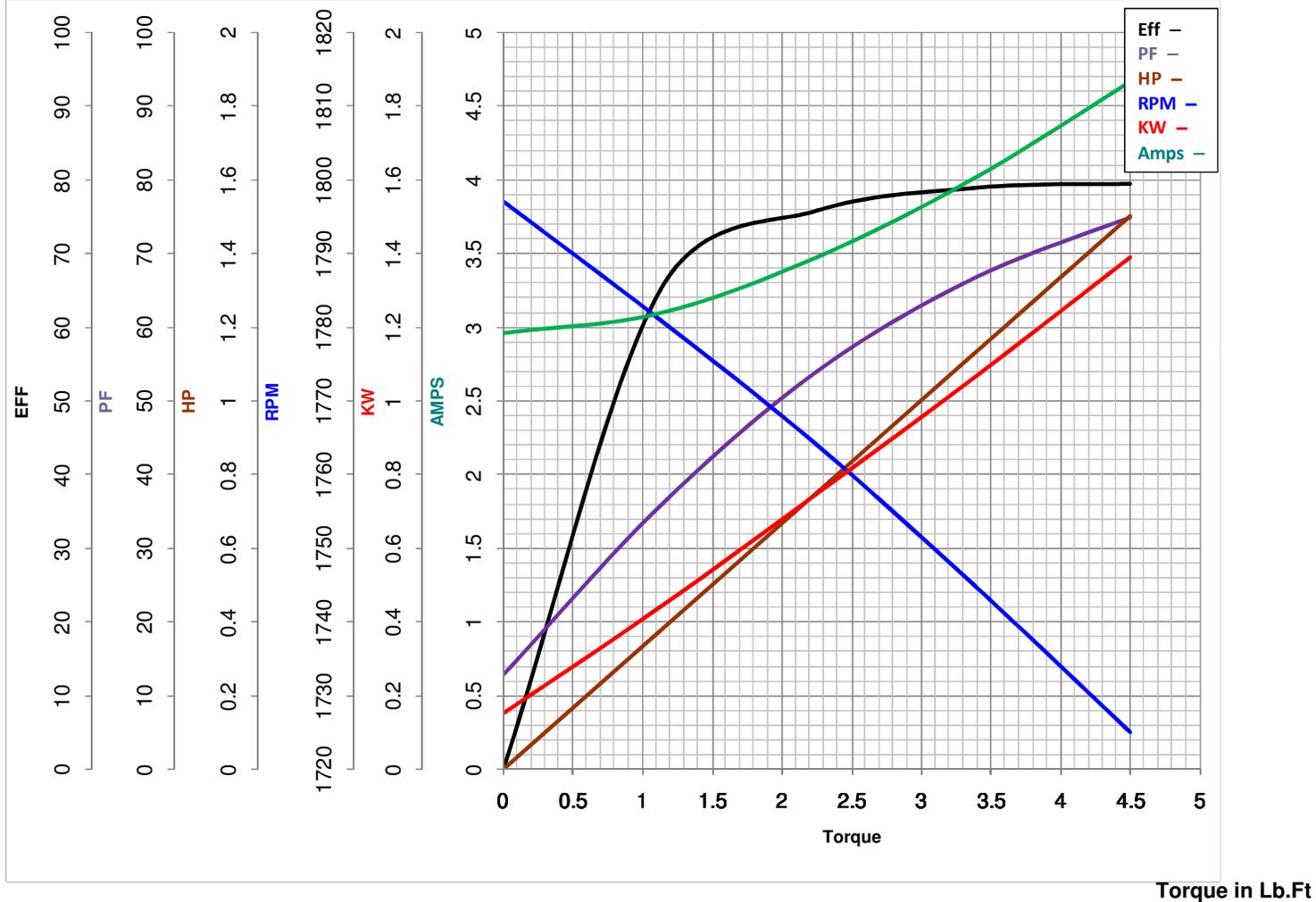
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 120947.00

Curve at 230 Volts HP 1.5&3/8 PHASE 3
60 HZ
1.5 HP VOLTS 208-230&208-230

Catalog No 120947.00

HZ 60&60 RPM 1725&850



FL TORQUE	<u>4.5</u>	Lb.Ft	FL AMPS	<u>4.8</u>	
BD TORQUE	<u>14.7</u>	Lb.Ft	PU TORQUE	<u>12.5</u>	Lb.Ft
LR TORQUE	<u>11.91</u>	Lb.Ft	LR AMPS	<u>27.92</u>	
WINDING	<u>T63(4-8)37-1</u>		Date	<u>6/4/2018</u>	