

PRODUCT INFORMATION PACKET



Model No: 120341.00
Catalog No: 120341.00
General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 145T Frame, TEFC



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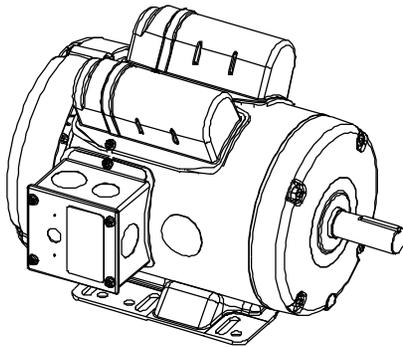
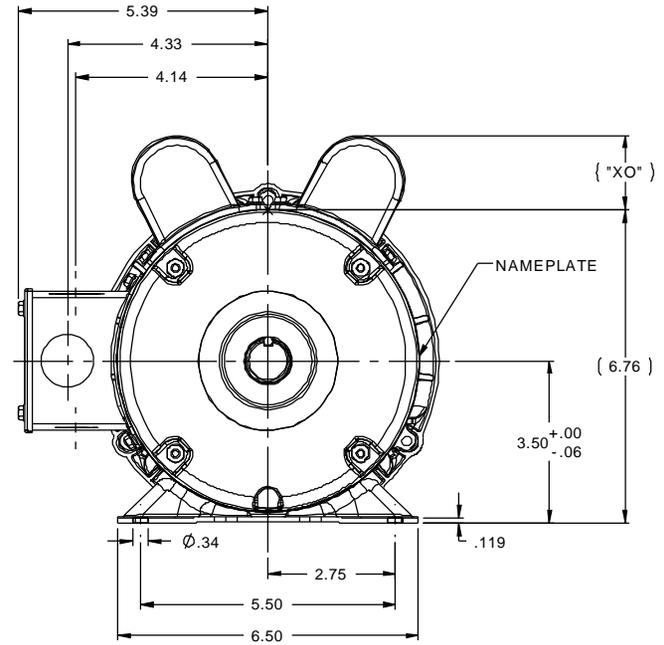
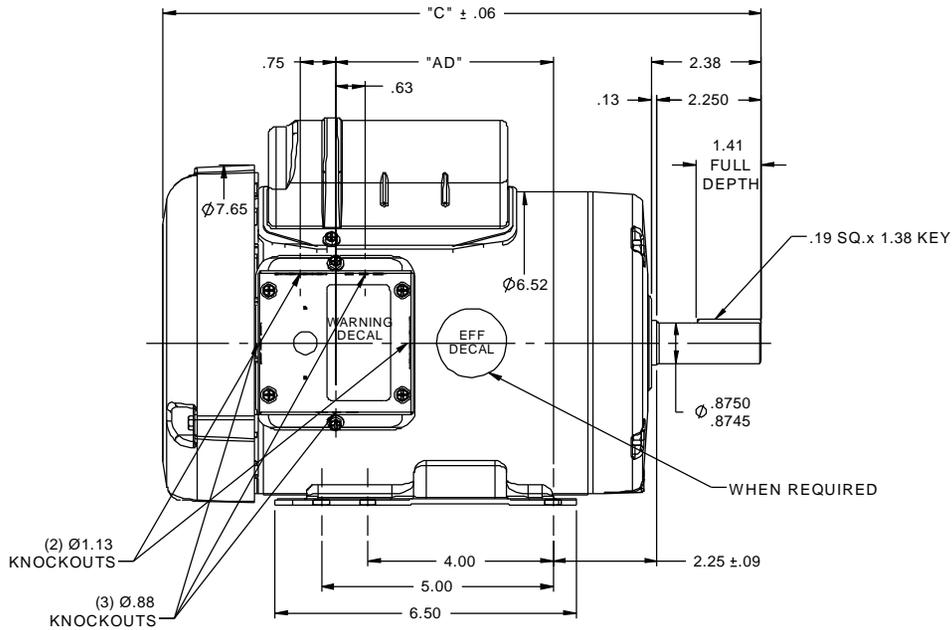
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	13.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	81.5 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6205	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 Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.52 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	14.43 in
Frame Length	8.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005018.01	Outline Drawing	028803-850C

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DASH NO.	"C"	"AD"	CAP DASH	"XO"
700	12.93	4.69	A	1.15
750	13.43	5.19	B	1.60
800	13.93	5.69	C	1.82
850	14.43	6.19		

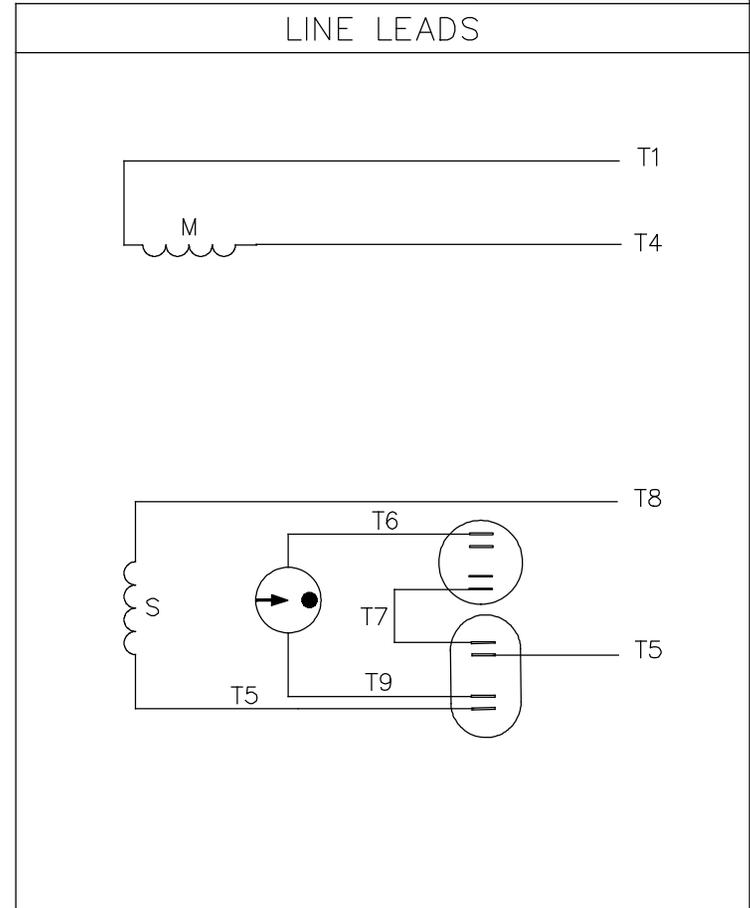
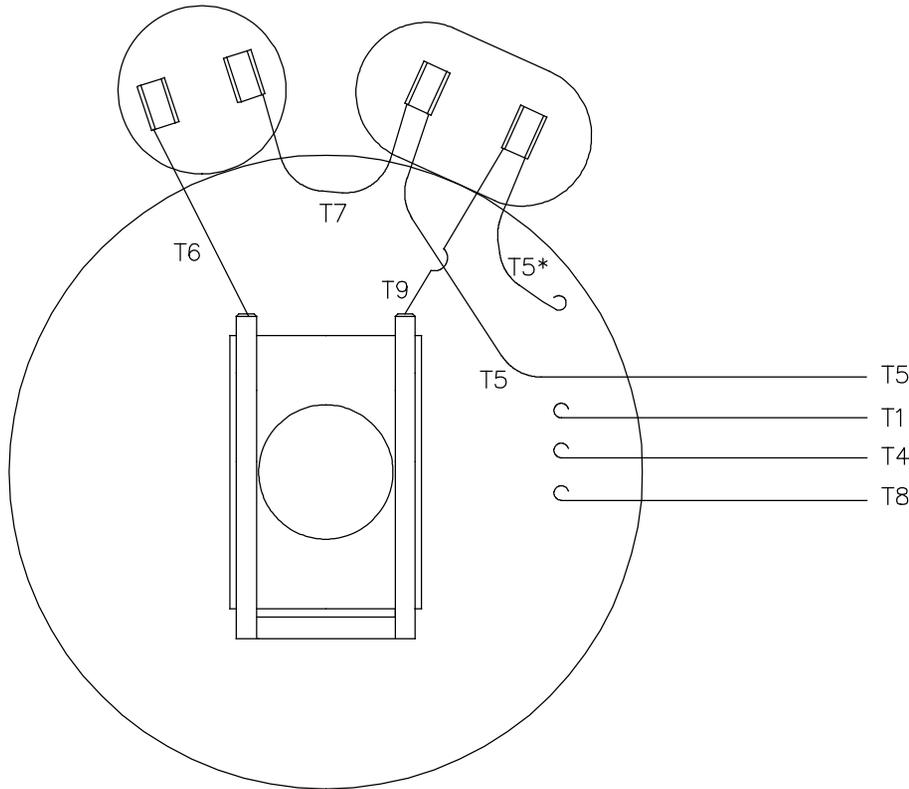
NOTE:
 1) GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED		DEC INCHES		TITLE	FINISH	GENERAL PURPOSE	DRAWN	KMM	10/04/07		
XX	±.03	XXX	±.005							OUTLINE - 140T FRAME	TEFC - RIGID
01	CORRECTED BASE LOCATION ECR 0035519	GS	3/5/13	XXXX	±.0005	MATL			REF	028589	
NO	REVISION	BY & DATE	CHK	LANG	±1/2°	FINISH	GENERAL PURPOSE	PAGE	OF		
THIRD ANGLE PROJECTION							RFP	PREV	SIZE	DRAWING NO	REV
							NETWORK FILE NAME	028803	B	028803	01



ELECTRIC MOTORS
 GEARMOTORS
 AND DRIVES

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2
C.C.W.	T1, T8	T4, T5
C.W.	T1, T5	T4, T8

* THIS LEAD MAY BE WHITE

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	CHK	APPD	SCALE	REF	PREV		
					DEC.	INCHES									
21	LOGO UPDATED FROM LEESON TO MARATHON	AS 07/03/19	AS	.X	±.1				ADH	02/19/74					
20	ALTERNATE T5 LEAD MARKING WAS RED	RLW 7/22/02	KH	.XX	±.01				WRK	02/20/74					
19	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	±.005				JCW	02/20/74	1=1				
18	REDRAWN ON CAD	DBT 06/24/97		.XXXX	±.0005										
					±1/2"										
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	CAD FILE			00501801	SIZE	DRAWING NO.	REV.
								DIST	BRF-NLV			A	005018-01	21	





CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005018.01

CATALOG #: 120341.00

OUTLINE: 028803-850C

MOUNTING: F1 ONLY

WINDING #: K632129 FR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	145T	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	13	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.3	1/2 LOAD EFF:	77.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	91	3/4 LOAD PF:	88.2	1/2 LOAD PF:	81	78.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	100	12.5 LB-FT 278 %	13.5 LB-FT 300 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.1 LB-FT^2	0 LB-FT^2	0 SEC.	0	49 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

