

PRODUCT INFORMATION PACKET



Model No: 140678.00

Catalog No: 140678.00

General Purpose Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TC Frame, TEFC



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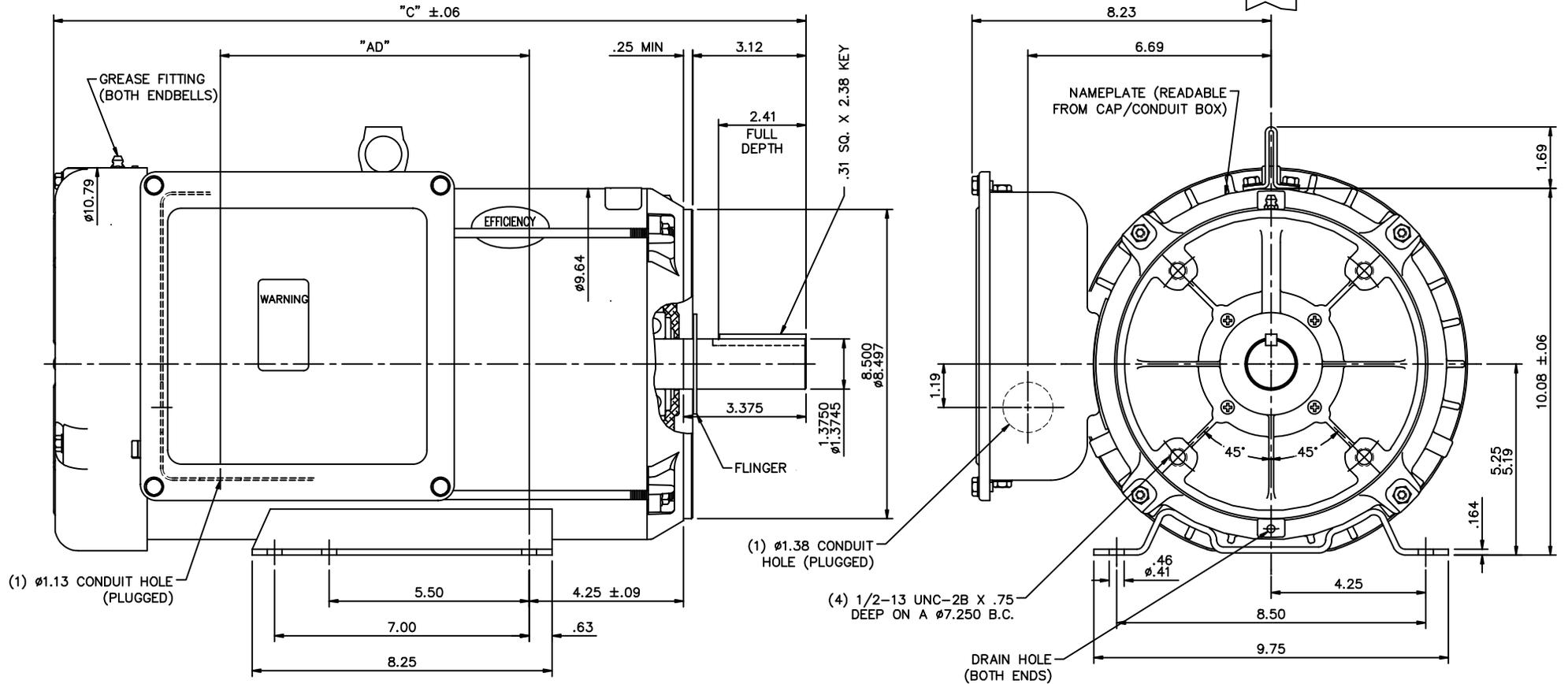


Nameplate Specifications

Phase	1	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230 V
Speed	1740 rpm	Service Factor	1.15
Frame	215TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	40.0 A	Power Factor	95
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

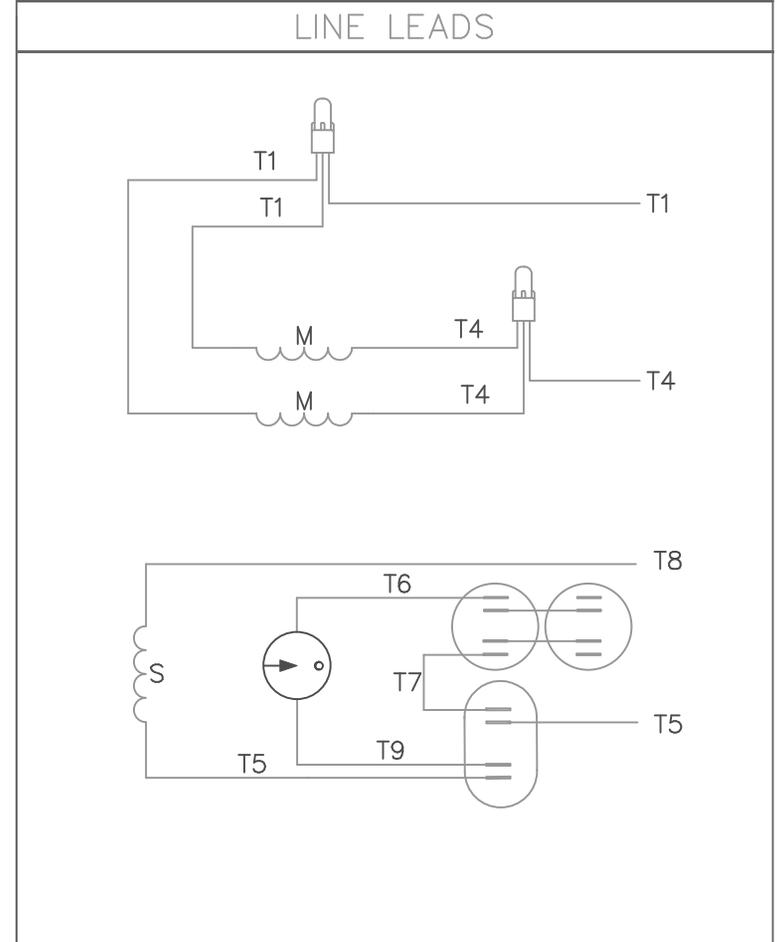
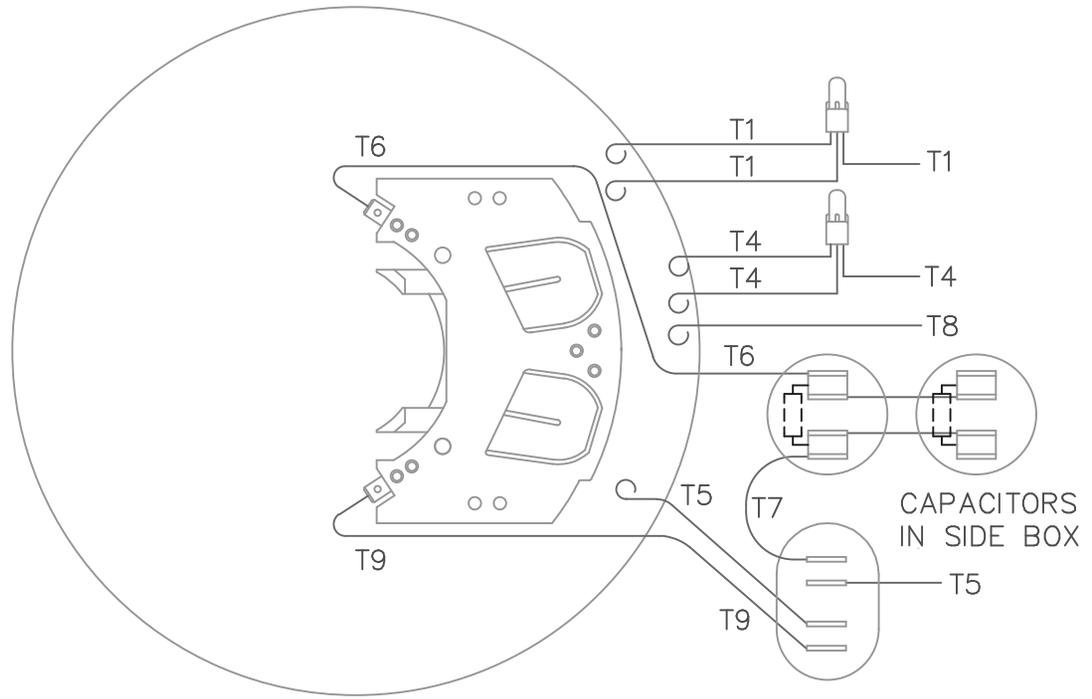
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.118 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	20.71 in
Frame Length	14.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037597-1400	Connection Drawing	005462.02



GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.
 ALIGN BASE TO C-FACE MOUNTING HOLES WITHIN ±1/16"

DASH NO.	"C"	"AD"
1200	18.71	6.50
1250	19.21	7.00
1300	19.71	7.50
1350	20.21	8.00
1400	20.71	8.50
1450	21.21	9.00
1500	21.71	9.50

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RDW 6/20/02	
DEC.	INCHES	XX	±.1	XXX	±.03	APPD	SW 6/20/02
		.XXX	±.005 <td></td> <td></td> <td>SCALE</td> <td>3=8</td>			SCALE	3=8
01	UPDATE PER MT2 CONVERSION	LST	8/20/10	.XXXX	±.0005	REF	
NO.	REVISION	BY	& DATE	CHK	ANG	FINISH	PREV
				RFP	6/3/02	CAD FILE	037597
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						SIZE	DRAWING NO.
						B	037597
						REV.	01



ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
C.C.W.	T1, T8	T4, T5	---
C.W.	T1, T5	T4, T8	---

				TOLERANCES UNLESS SPECIFIED				DRAWN RDW 7/26/07	
				DEC.	INCHES			CHK	
				.X	±.1			APPD KH 7/26/07	
				.XX	±.01			SCALE 1=2	
				.XXX	±.005			REF 005462-02	
				.XXXX	±.0005	MAT'L. DECAL 004018		FMF LM31754	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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	7/26/07	CAD FILE	00546202LN	SIZE	DRAWING NO.
				DIST				A	005462-02LN
									REV.



CERTIFICATION DATA SHEET

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

CATALOG #: 140678.00

CONN. DIAGRAM: 005462.02

OUTLINE: 037597-1400

MOUNTING: F1 ONLY

WINDING #: K9425 FR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1740	215TC	TEFC	G	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	40	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	86.5	3/4 LOAD EFF:	86.4	1/2 LOAD EFF:	83.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	95	3/4 LOAD PF:	94.9	1/2 LOAD PF:	92.8	84		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	264	90.2 LB-FT 301 %	69.5 LB-FT 232 %	95

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1.157 LB-FT^2	1.2 LB-FT^2	0 SEC.	0	159 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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	AISI 1045 (C-240)	ROLLED STEEL
6207	6206						

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

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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

