

PRODUCT INFORMATION PACKET



Model No: 140641.00

Catalog No: 140641.00

Crop Dryer Motor, 10 & 15 HP, 3 Ph, 60 & 60 Hz, 208-220/440 & 208-220/440 V, 3600 & 3600 RPM,
215TZ Frame, DP



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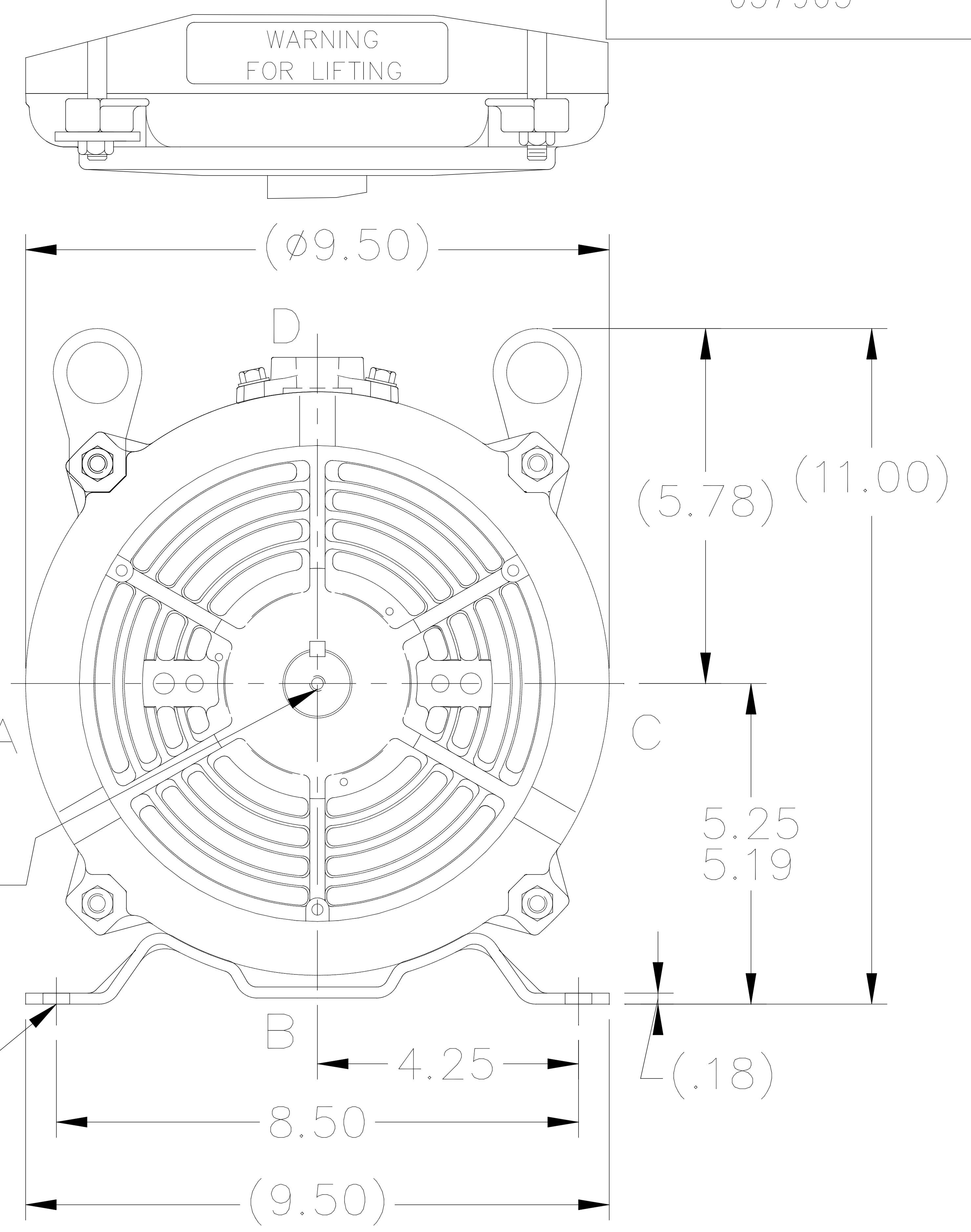
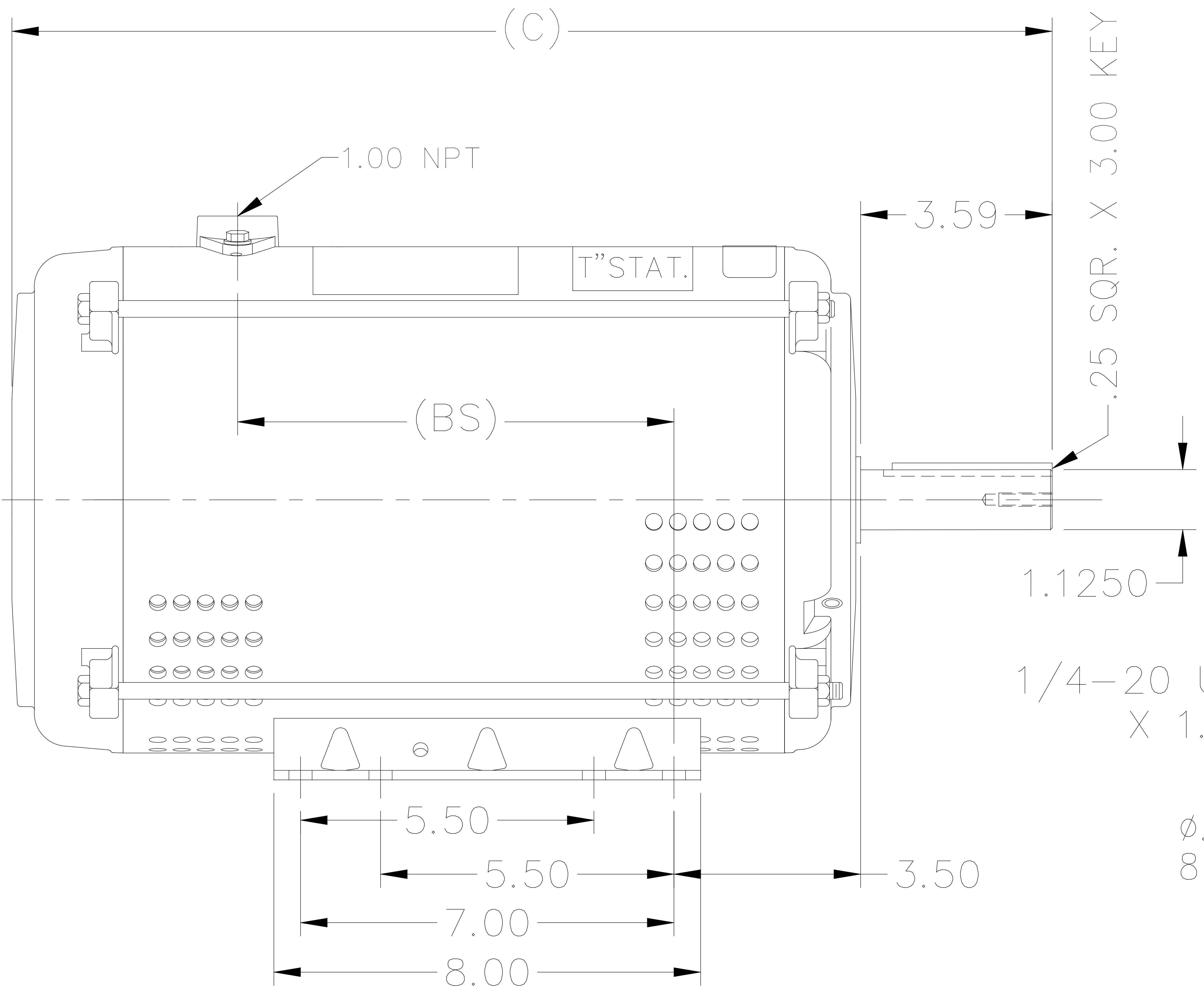
Nameplate Specifications

Phase	3	Output HP	10 & 15 Hp
Output KW	7.5 & 11.2 kW	Voltage	208-220/440 & 208-220/440 V
Speed	3470 & 3385 rpm	Service Factor	1.5 & 1.0
Frame	215TZ	Enclosure	Drip Proof
Thermal Protection	Thermostat	Efficiency	85.5 & 81.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	28-26/13 & 42-40/20 A	Power Factor	87
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	17.41 in
Frame Length	11.15 in	Shaft Diameter	1.125 in
Shaft Extension	3.59 in	Assembly/Box Mounting	F3
Connection Drawing	A-EE7308T-LE	Outline Drawing	037963-1115

037963



NOTES:

- 1. NAMEPLATE TO BE READ FROM 'A' SIDE OF MOTOR.
- 2. SEE MODEL FOR LEAD LENGTH.

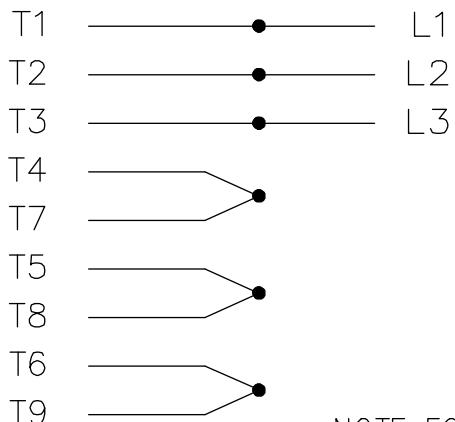
DASH	FR.	C	BS	MOUNTING
965	213T	15.91	5.43	
1115	213/15T	17.41	6.93	
1240	213/15T	18.66	8.18	

ORACLE REV	001
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		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN LST 9/15/14			
		DEC.	INCHES			CHK	APPD	-	
		.X	±.1						
		.XX	±.03		TITLE OUTLINE	SCALE	1=4		
B	1.00 NPT WAS RIGHT ANGLE CONNECTOR ECO 0106849	GWS	7/29/16	.XXX	±.005	210T FR. -BB-SS-DR.PR.-SINGLE PHASE	REF	-	
A	RELEASED PER ECO-0060551	LST	9/15/14	.XXXX	±.0005	MAT'L.	FMF	-	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	CAD FILE 037963	SIZE	DRAWING NO.	PAGE OF	REV.
				DIST	LE	A	037963		B

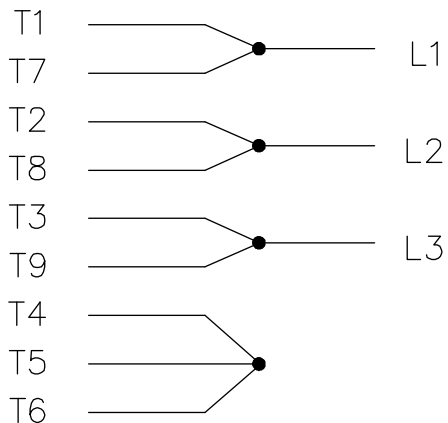
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

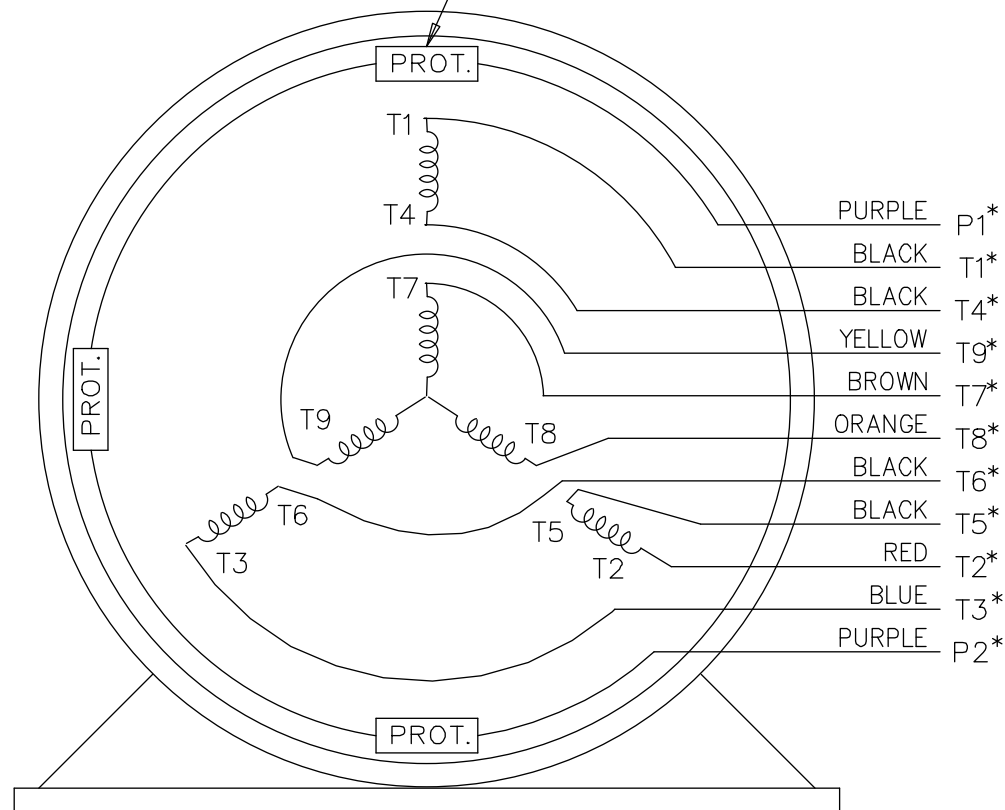


NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE




THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJB 05-07-2002		
NO.	REVISION	BY & DATE	CHK	ANG	±		FINISH	CHK	ML
05	ADDED * NOTE PER ECN # 26921	UD 01-30-2013	JD	DEC.	INCHES				
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1			05-08-2002	
03	RE-ISSUE	NJS 04-21-2004	JET	.XX	±.02	TITLE CONNECTION DIAGRAM	APPD	TB 05-08-2002	
02	REDRAWN	TAT 04-20-2004	ML	.XXX	±.005	3 PHASE - DUAL VOLTAGE MOTOR		SCALE 1=1	
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.XXXX	±.0005	MAT'L.		REF	
					±7'30"			FMF	
								PREV	
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				DIST LB-WP-LE			A	EE7308T-LE	05



CERTIFICATION DATA SHEET

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

CATALOG #: 140641.00

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: 037963-1115

MOUNTING: F3

WINDING #: K213279 R2 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&15	7.50&11.2	3600	3470&3385	215TZ	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/60	208-220/440&208-220/440	28-26/13&42-40/20	ACROSS THE LINE	CONTINUOUS	B4	1.5/1.0	40

FULL LOAD EFF:	85.5&81.5	3/4 LOAD EFF:	84	1/2 LOAD EFF:	85.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	87&90	3/4 LOAD PF:	89	1/2 LOAD PF:	83	77		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.08 LB-FT	160 / 80	22.5 LB-FT 150 %	38.5 LB-FT 257 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.33 LB-FT^2	0 LB-FT^2	10 SEC.	0	80 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	RODENT	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	1.125 x 3.50 IN SEK	NONE	AISI 1045 (C-240)	ROLLED STEEL
307	206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	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

Data Sheet

Date: 1/19/2018

140641.00



Data @ **440 V**

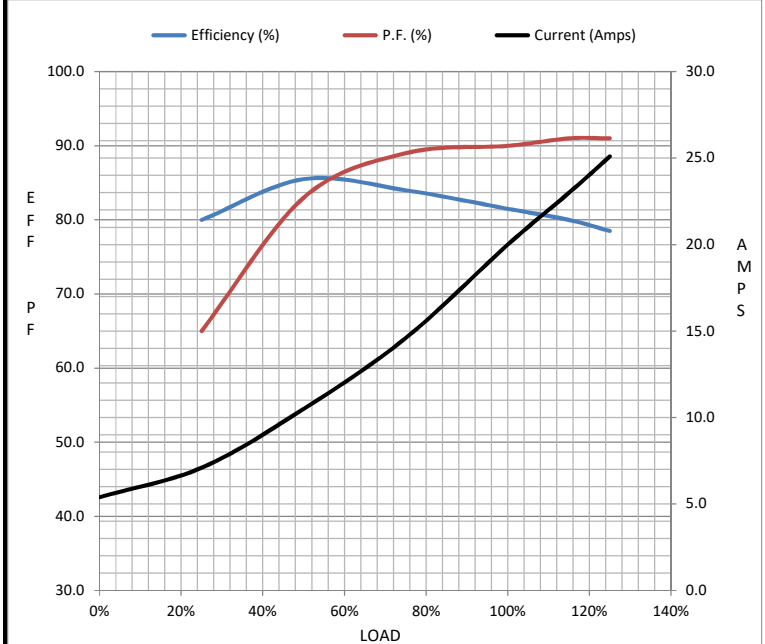
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.4	7.1	10.5	14.6	20.0	23.0	25.1	80.0
Torque (ft-lb)	0.00	5.6	11.2	17.0	23.5	27.0	29.5	22.5
RPM	3600	3555	3505	3455	3385	3,360	3350	0
Efficiency (%)		80.0	85.5	84.0	81.5	80.0	78.5	
P.F. (%)	10.5	65.0	83.0	89.0	90.0	91.0	91.0	54.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2830	3385	3600
Current (Amps)	80.0	69.0	48.1	20.0	5.4
Torque (ft-lb)	22.5	20.5	38.5	23.5	0.00

Information Block				
HP	15.0			
Sync. RPM	3600			
Frame	213			
Enclosure	DP			
Construction	TDW			
Voltage	208-220/440#208-220/440 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.33 Lb-Ft ²			
Ref Wdg	K213279 R2			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	037963-1115			
Conn. Diag	A-EE7308T-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.0690	0.6920	2.1630	0.7530	54.8410



Speed - Torque Curve

