

PRODUCT INFORMATION PACKET



Model No: 132394.00

Catalog No: 132394.00

Crop Dryer Motor, 7.50 & 10.50 HP, 3 Ph, 60 & 60 Hz, 230/460 & 208-230/460 V, 3600 & 3600 RPM,
184TZ Frame, TEAO



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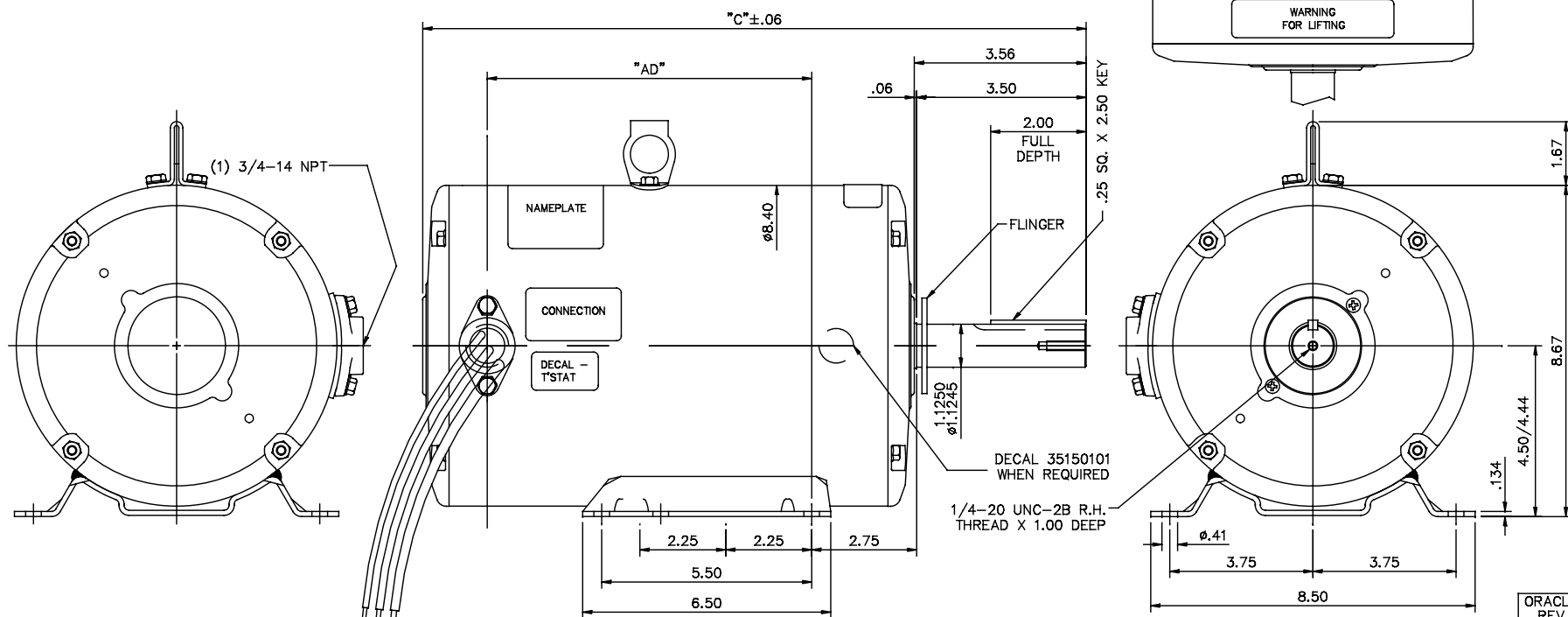
Nameplate Specifications

Phase	3	Output HP	7.50 & 10.50 Hp
Output KW	5.6 & 7.8 kW	Voltage	230/460 & 208-230/460 V
Speed	3490 & 3490 rpm	Service Factor	1.0 & 1.0
Frame	184TZ	Enclosure	Totally Enclosed Air Over
Thermal Protection	Thermostat	Efficiency	85.5 & 85.5 %
Ambient Temperature	50 °C	Frequency	60 & 60 Hz
Current	24.8/12.4 & 28.1-24.8/12.4 A	Power Factor	91.7
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
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	2	Rotation	Reversible
Resistance Main	1.3 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	17.38 in
Frame Length	11.50 in	Shaft Diameter	1.125 in
Shaft Extension	3.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035940LE-1150	Connection Drawing	005010.20LE

035940LE



SEE MODEL FOR LEAD LENGTH.

DASH NO.	"C"	"AD"
950	15.38	6.50
1000	15.88	7.00
1050	16.38	7.50
1100	16.88	8.00
1150	17.38	8.50
1200	17.88	9.00
1250	18.38	9.50

REVISION		BY	DATE	CHK	ANG	FINISH
C	ADDED FLINGER ECO 0081867	GWS	7/20/15	.XXX	$\pm .005$	
B	UPDATED PER ECR-0075747	PVR	02/19/15	ST	.XXXX	$\pm .0005$

TOLERANCES UNLESS SPECIFIED		LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN UD 07/25/14	
DEC.	INCHES	LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		CHK SR 07/25/14	APPD
.X	$\pm .1$	LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		SCALE 3=8	
.XX	$\pm .03$	LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		REF 035940CY	
.XXX	$\pm .005$	LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		FMF	
.XXXX	$\pm .0005$	LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		PREV	
CHK	$\pm 1/2^{\circ}$	LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES			
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	035940LE	SIZE	DRAWING NO.	REV.
		DIST	B	035940LE		C	



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20LE
OUTLINE: 035940LE-1150
WINDING #: T8298 R1 3

CATALOG #: 132394.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&10 1/2	5.60&7.80	3600	3490&3490	184TZ	TEAO	H	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/60	208-230/460&208-230/460	19.7-24.8/12.4&28.1-24.8/12.4	ACROSS THE LINE	CONTINUOUS	F4	1.0/1.0	50

FULL LOAD EFF:	85.5&85.5	3/4 LOAD EFF:	88	1/2 LOAD EFF:	87	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	91.7&91.7	3/4 LOAD PF:	90	1/2 LOAD PF:	81	85	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.8 LB-FT	177 / 88.5	34.6 LB-FT 219 %	44.2 LB-FT 280 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.25 LB-FT^2	0 LB-FT^2	0 SEC.	0	107 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	GRAY - LIGHT (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	SPECIAL	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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

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OUTLINE: 035940LE-1150
WINDING #: T8298 R1 3

CUSTOMER PO#:
CATALOG #:
CUSTOMER PART #:
MOUNTING: F1 ONLY

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	BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh
Suddula **DATE:**
03/28/2019 04:56:07 AM
FORM 3531 REV.3 02/07/99
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	BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

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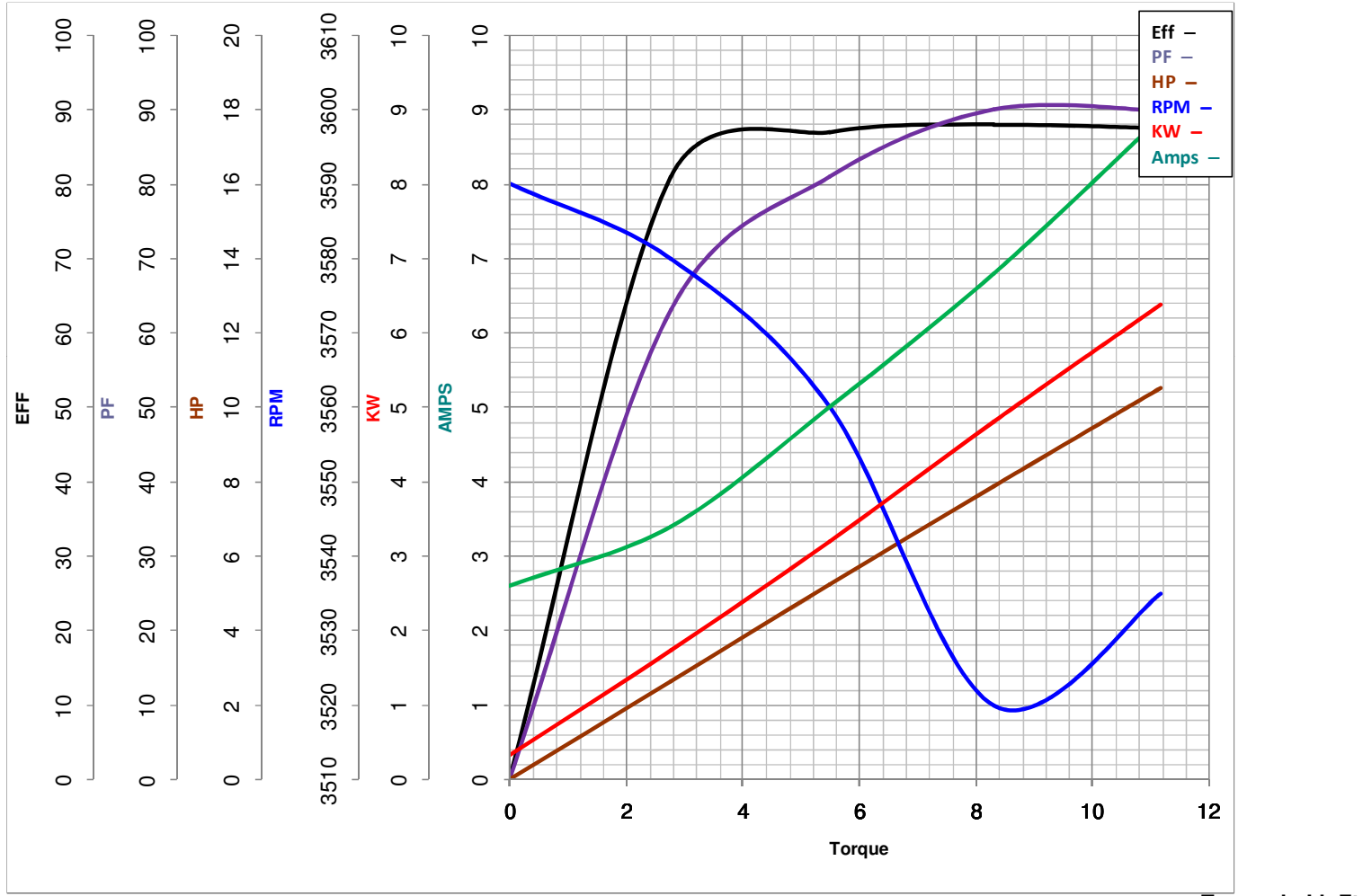
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 132394

Curve at 460 Volts HP 7.5&10.5 PHASE 3
60 HZ
10.5 HP VOLTS 208-230/460&208-230/460

Catalog No 132394

HZ 60&60 RPM 3490&3490



Torque in Lb.Ft

FL TORQUE	<u>11.17</u>	Lb.Ft	FL AMPS	<u>19.7-24.8/12.4</u>
BD TORQUE	<u>44.2</u>	Lb.Ft	PU TORQUE	<u>35.0</u> Lb.Ft
LR TORQUE	<u>34.6</u>	Lb.Ft	LR AMPS	<u>88.5</u>
WINDING	T8298-		Date	4/1/2019