

# PRODUCT INFORMATION PACKET



Model No: 199042.00

Catalog No: 199042.00

Obsolete Replaced by B199042.00..125HP..3600RPM.444TS.TEFC.460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....  
.GENERAL PURPOSE.....



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## Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	3582 & 2982 rpm	Service Factor	1.15 & 1.15
Frame	444TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	136 & 132 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

## Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.03 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	SS620281-444TS	Connection Drawing	A-EE7341C-LE

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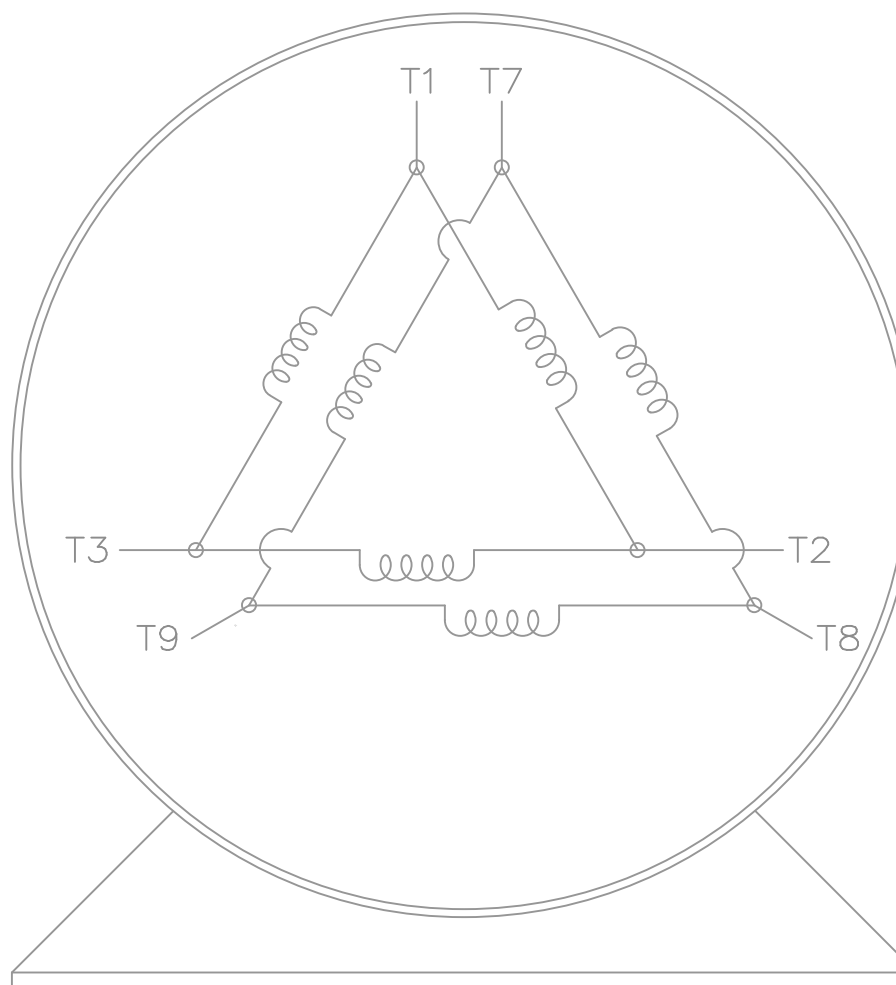
# THREE PHASE — PART WINDING START DELTA — 6 LEADS

## START


CONNECT T1 TO LINE 1  
CONNECT T2 TO LINE 2  
CONNECT T3 TO LINE 3  
T7-T8-T9 OPEN

## RUN

CONNECT T1&T7 TO LINE 1  
CONNECT T2&T8 TO LINE 2  
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KL 07-23-2002						
				DEC.	INCHES		CHK DJK 07-23-2002						
				.X	± -		APPD EAB 07-23-2002						
				.XX	± -		SCALE 1=1						
				.XXX	± -	TITLE CONNECTION DIAGRAM 3ø - 6 LEADS	REF						
1	NEW DRAWING	MU42766	KL 07-23-2002	.XXXX	± -	MAT'L.	FMF						
NO.	REVISION		BY & DATE	CHK	ANG	± -	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 EE7341C-LE			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST WA-LB-LE					A	EE7341C-LE			1



# CERTIFICATION DATA SHEET

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

**CONN. DIAGRAM:** A-EE7341C-LE

**CATALOG #:** 199042.00

**OUTLINE:** B-SS620281

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** CHT44420001 2

## TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93.0&75.0	3600	3582&2982	444TS	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	136&132	PWS OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

<b>FULL LOAD EFF:</b>	95&94.5	<b>3/4 LOAD EFF:</b>	94.5	<b>1/2 LOAD EFF:</b>	93.6	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	90&90	<b>3/4 LOAD PF:</b>	89	<b>1/2 LOAD PF:</b>	86	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
183 LB-FT	907	320 LB-FT 175 %	475 LB-FT 260 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
87 dBA	97 dBA	31 LB-FT^2	75 LB-FT^2	15 SEC.	2	2300 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 (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	TS	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6314	6314						

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:** CONSTANT 2:1

**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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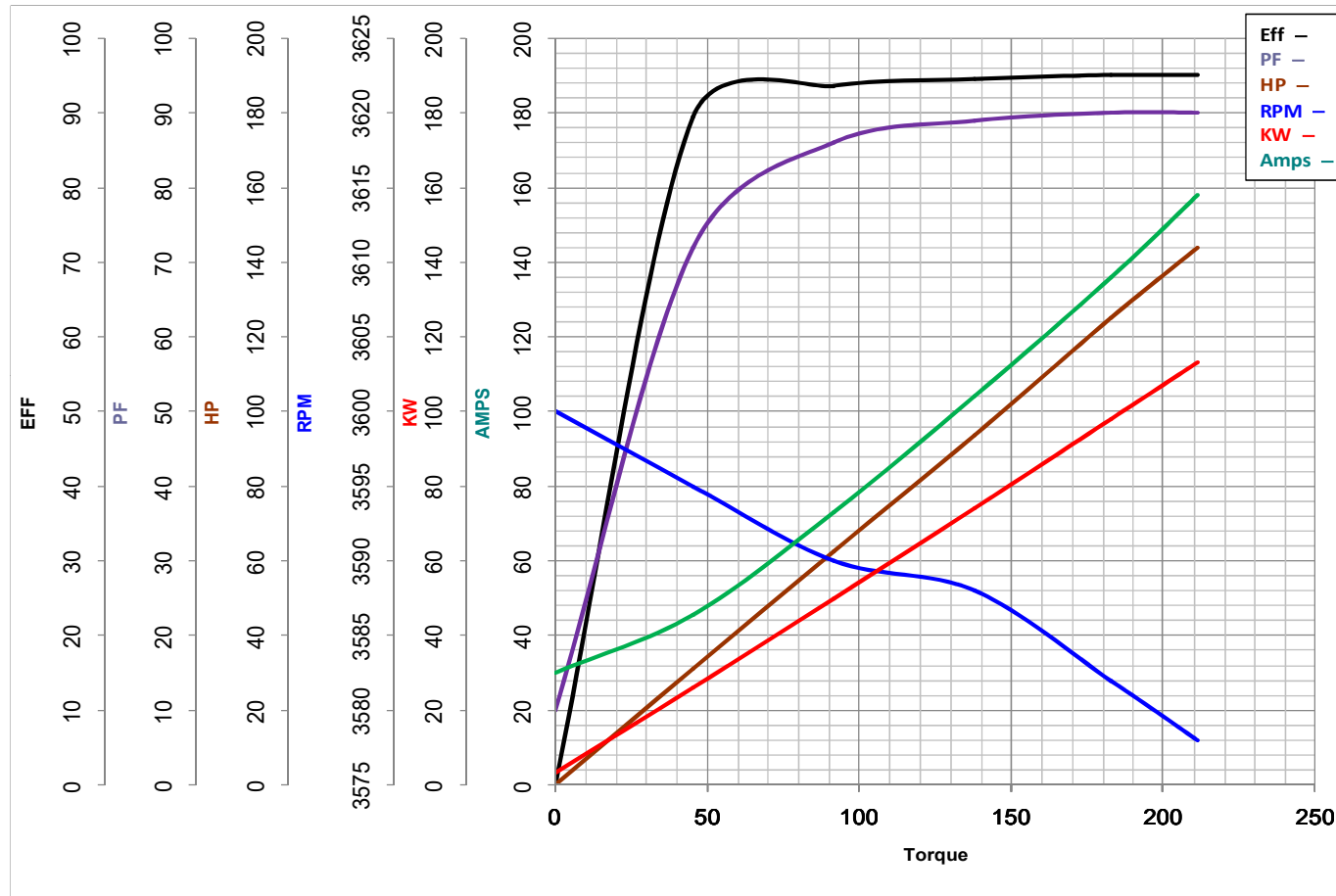
# LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 460  
60  
125

Volts  
HZ  
HP

HP 125&100  
VOLTS 460&380

PHASE 3HZ 60&50RPM 3582&2982

Torque in Lb.Ft

FL TORQUE 183 Lb.Ft  
BD TORQUE 475.0 Lb.Ft  
LR TORQUE 320 Lb.Ft

FL AMPS 136  
PU TORQUE 250.0 Lb.Ft  
LR AMPS 907

WINDING CHT44420001-2

Date 11/13/2018