

PRODUCT INFORMATION PACKET



Model No: 199045.00

Catalog No: 199045.00

Obsolete Replaced by B199045.00..150HP..3600RPM.445TS.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.
.....GENERAL PURPOSE.....



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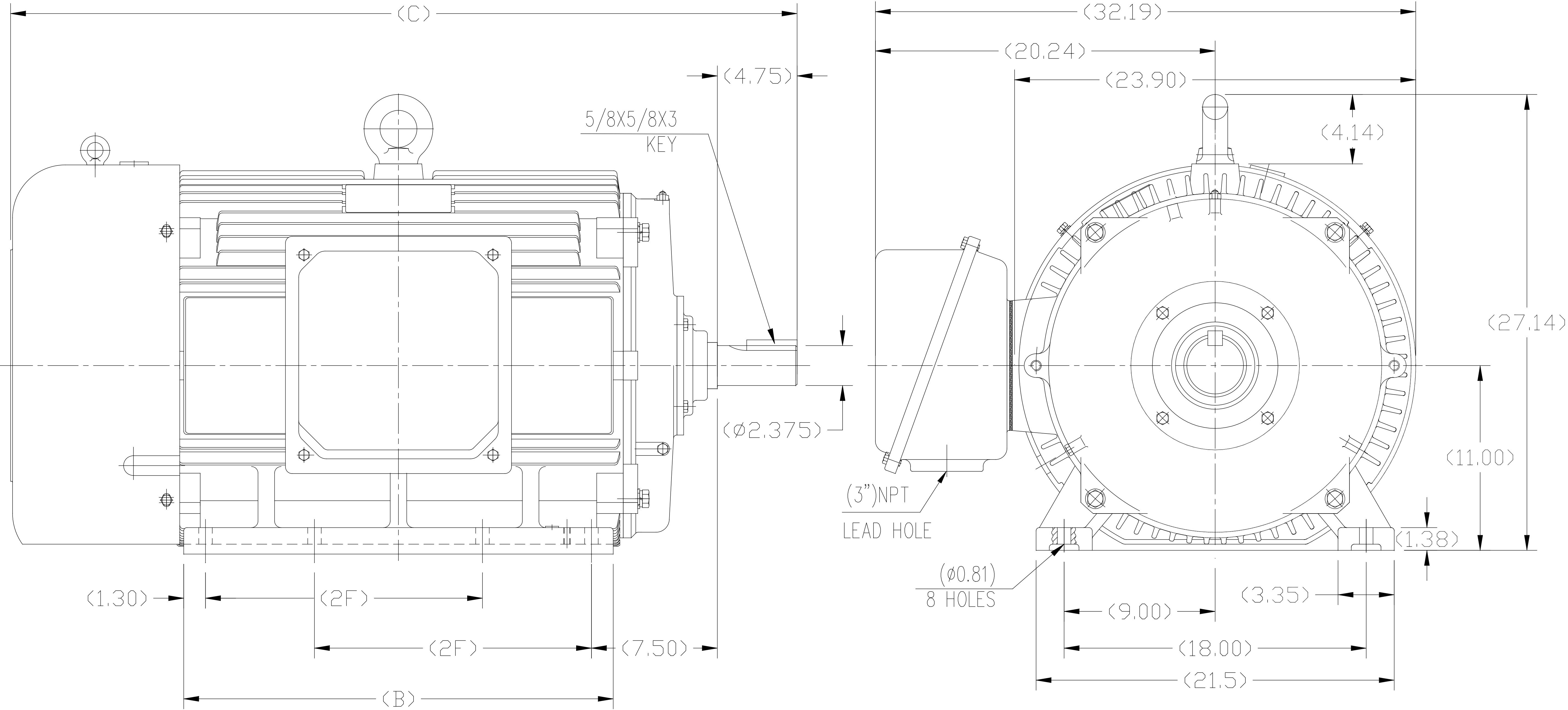
Nameplate Specifications

Phase	3	Output HP	150 & 125 Hp
Output KW	112.0 & 93.0 kW	Voltage	460 & 380 V
Speed	3580 & 2980 rpm	Service Factor	1.15 & 1.15
Frame	445TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	162 & 165 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	.018 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 20:1		
Outline Drawing	SS620281-445TS	Connection Drawing	A-EE7341C-LE

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1. THIS MOTOR IS NOT DUAL DRILLED FOR 444T/445T OR 447T/449T
2. THIS MOTOR IS DRILLED FOR F1/F2 CAPABILITY

444TS	47.05	25.60	14.50
445TS	47.05	25.60	16.50
447TS	52.17	30.70	20.00
449TS	52.17	30.70	25.00
Frame	C	BB	2F

						TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN ZYH 02-21-2010		
						DEC.	INCHES			CHK HZJ 02-21-2010		
						.X	±.1			APPD CL 02-21-2010		
						.XX	±.03			SCALE 1=6		
C	UPDATED DRAWING PER MARK-UP ECD-0108274		WGJ 10-7-16	EMH	.XXX	±.005	TITLE OUTLINE 444/445/447/449TS FR-TEFC CAST IRON			REF		
A	2 leads hole change to 1		CL 2010-9-8		.XXXX	±.0005	MAT'L.			FMF HWADA		
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		CAD FILE SS620281			SIZE	DRAWING NO.		REV.
				DIST					B	SS620281		C

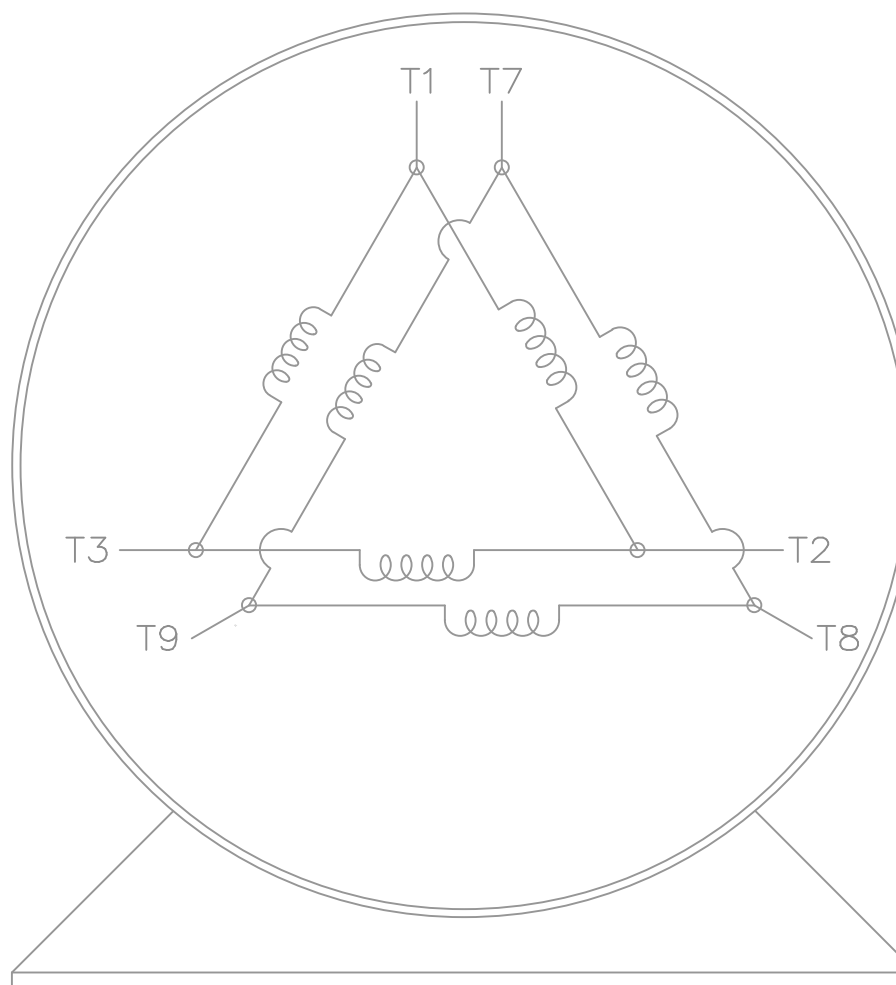
THREE PHASE — PART WINDING START DELTA — 6 LEADS

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	± -	TITLE CONNECTION DIAGRAM 3ø - 6 LEADS	SCALE 1=1						
				.XXX	± -		REF						
1	NEW DRAWING	MU42766	KL 07-23-2002	.XXXX	± -	MAT'L.	FMF						
NO.	REVISION		BY & DATE	CHK	ANG	± -	FINISH			PREV			
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				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 #: 199045.00

OUTLINE: B-SS620281

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT44520001 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
150&125	112&93.0	3600	3580&2980	445TS	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	162&165	PWS OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	95&94.5	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.1	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&90	3/4 LOAD PF:	89	1/2 LOAD PF:	87	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
220 LB-FT	1085	475 LB-FT 215 %	550 LB-FT 252 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	44 LB-FT^2	120 LB-FT^2	15 SEC.	2	2750 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 20:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

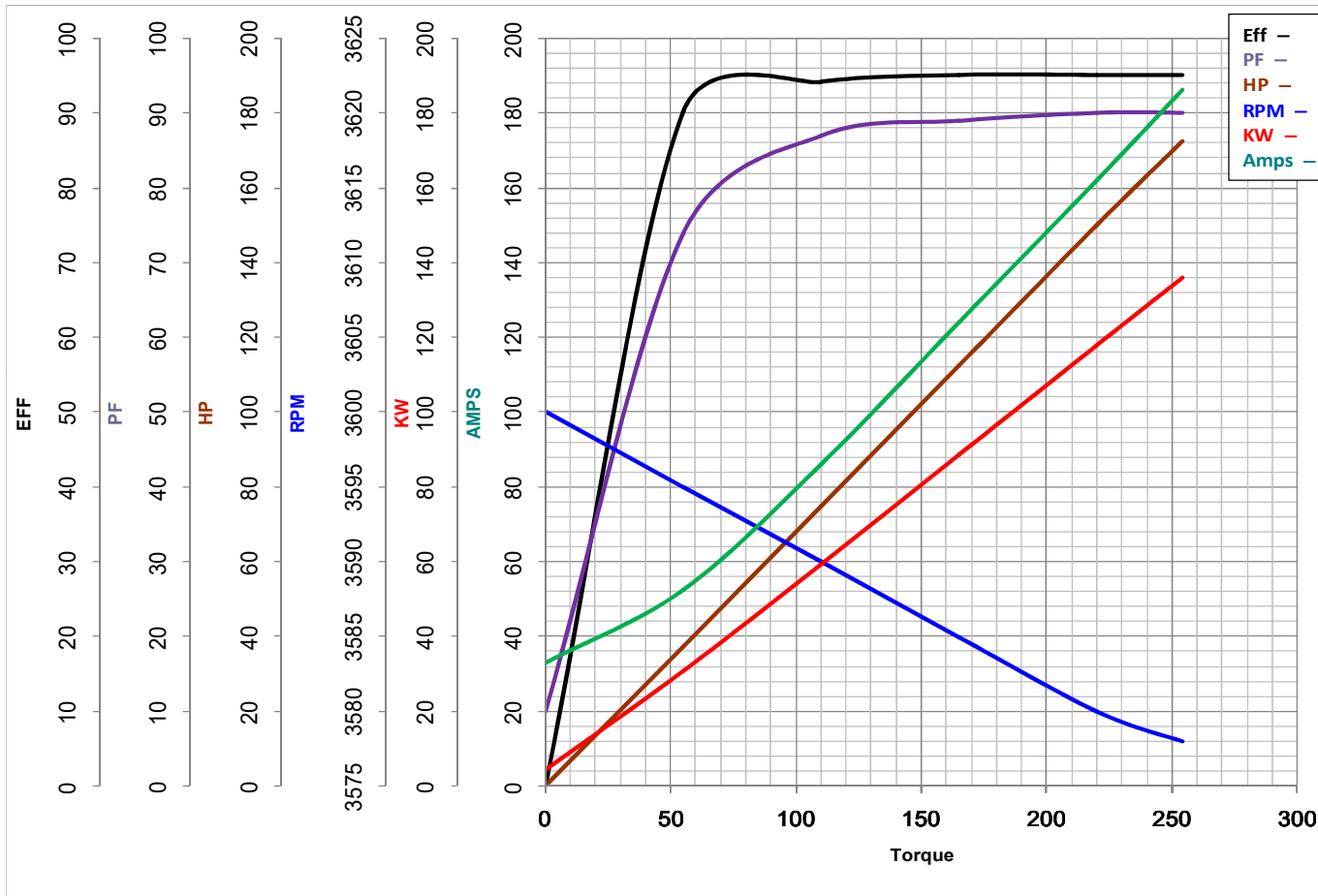
NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

Model No 199045.00Catalog No 199045.00
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 460
60
150

 Volts
 HZ
 HP
HP 150&125PHASE 3VOLTS 460&380HZ 60&50RPM 3580&2980

Torque in Lb.Ft

 FL TORQUE 220 Lb.Ft
 BD TORQUE 550.0 Lb.Ft
 LR TORQUE 475 Lb.Ft

 FL AMPS 162
 PU TORQUE 400.0 Lb.Ft
 LR AMPS 1085

WINDING CHT44520001-1

Date 11/13/2018