

# PRODUCT INFORMATION PACKET



Model No: 199730.00

Catalog No: 199730.00

Obsolete Replaced by B199730.00..150HP..1200RPM.447T.ODP.460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....G  
EN PURPOSE.....

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### Nameplate Specifications

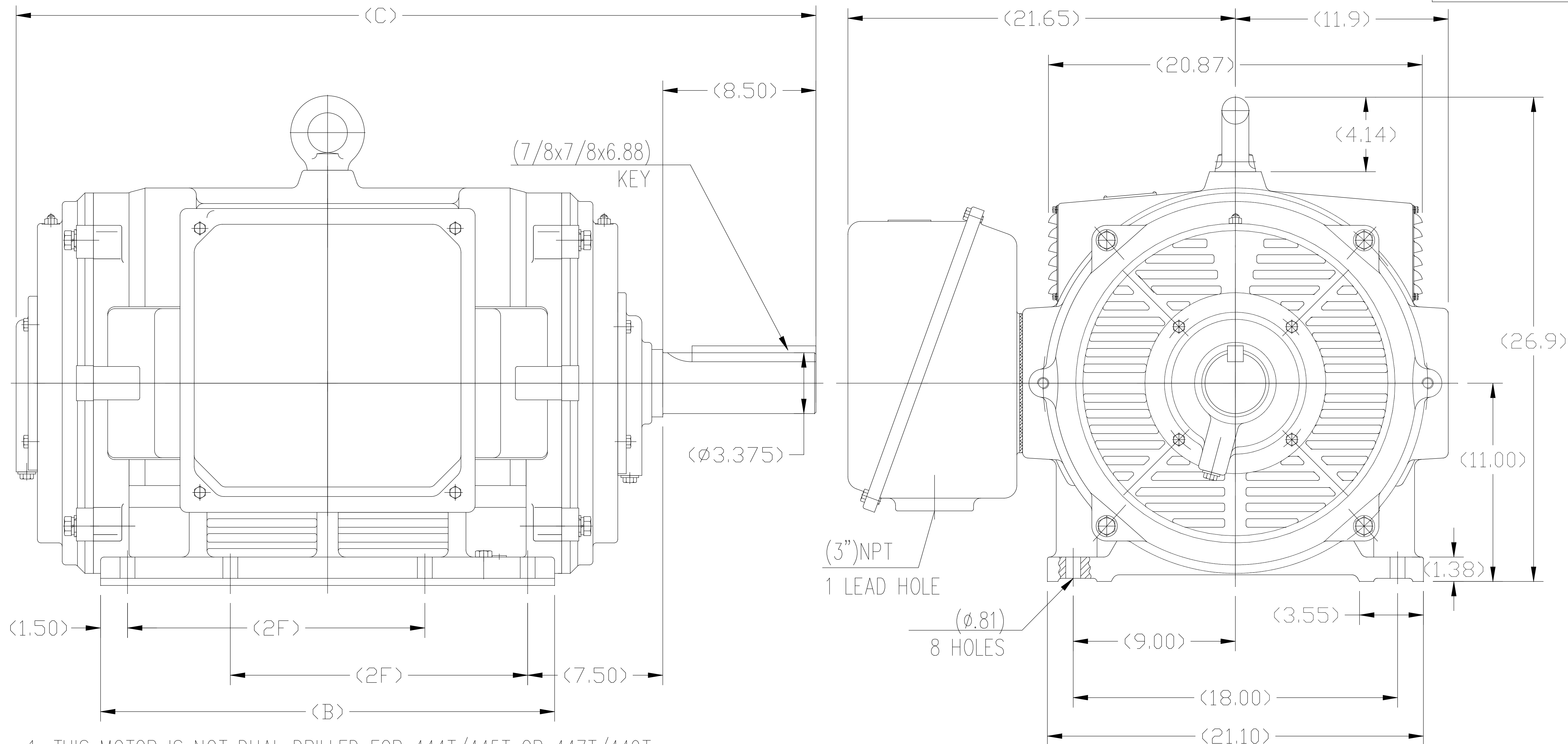
Phase	<b>3</b>	Output HP	<b>150 &amp; 125 Hp</b>
Output KW	<b>112.0 &amp; 93.0 kW</b>	Voltage	<b>460 &amp; 380 V</b>
Speed	<b>1190 &amp; 988 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>447T</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>95.4 &amp; 95 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>172 &amp; 174 A</b>	Power Factor	<b>86</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6319</b>	Opp Drive End Bearing Size	<b>6317</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>12</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Part Wdg Start Or Inverter</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.036 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Inverter Load	<b>VARIABLE 10:1</b>		
Outline Drawing	<b>SS620255-447T</b>	Connection Drawing	<b>EE7341C_LE</b>

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SS620255



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

444T	44.57	25.20	14.50
445T	44.57	25.20	16.50
447T	49.69	30.32	20.00
449T	49.69	30.32	25.00
Frame	C	B	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	TITLE		SCALE 6=32		
G	UPDATED DRAWING PER MARK-UP	ECD-0108274	WGJ 10-7-16	EMH .XXX	±.005	444/445/447/449T FR-ODP-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		SS620255	SIZE	DRAWING NO.	REV.
				DIST			B	SS620255	G	

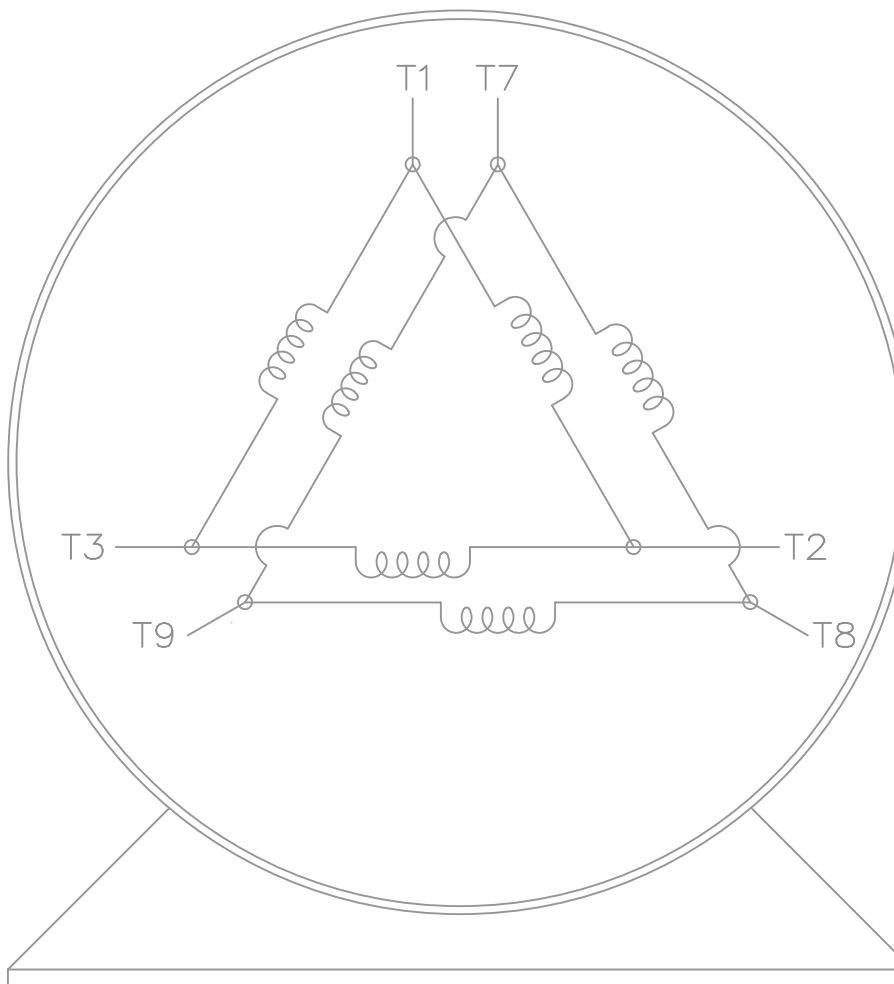
THREE PHASE – PART WINDING START  
DELTA – 6 LEADS

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			
				.XXXX	± -	3φ - 6 LEADS			
1	NEW DRAWING	MU42766	KL 07-23-2002			MAT'L.		REF	
NO.	REVISION		BY & DATE	CHK	ANG	± -	FINISH	FMF	
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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:** EE7341C\_LE

**CATALOG #:** 199730.00

**OUTLINE:** SS620255

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** CHT44760002 1

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
150&125	112&93.0	1200	1190&988	447T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	172&174	PWS OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	95.4&95	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	95	GTD. EFF	95	ELEC. TYPE	SQ CAGE INV RATED
FULL LOAD PF:	86&86	3/4 LOAD PF:	85	1/2 LOAD PF:	79	95			

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
663 LB-FT	1085	1250 LB-FT 188 %	1450 LB-FT 218 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	92 LB-FT^2	1800 LB-FT^2	20 SEC.	-	1750 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	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6319	6317						

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

\*  
N  
O  
T  
E  
S

<b>INVERTER TORQUE:</b> VARIABLE 10:1
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz



**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

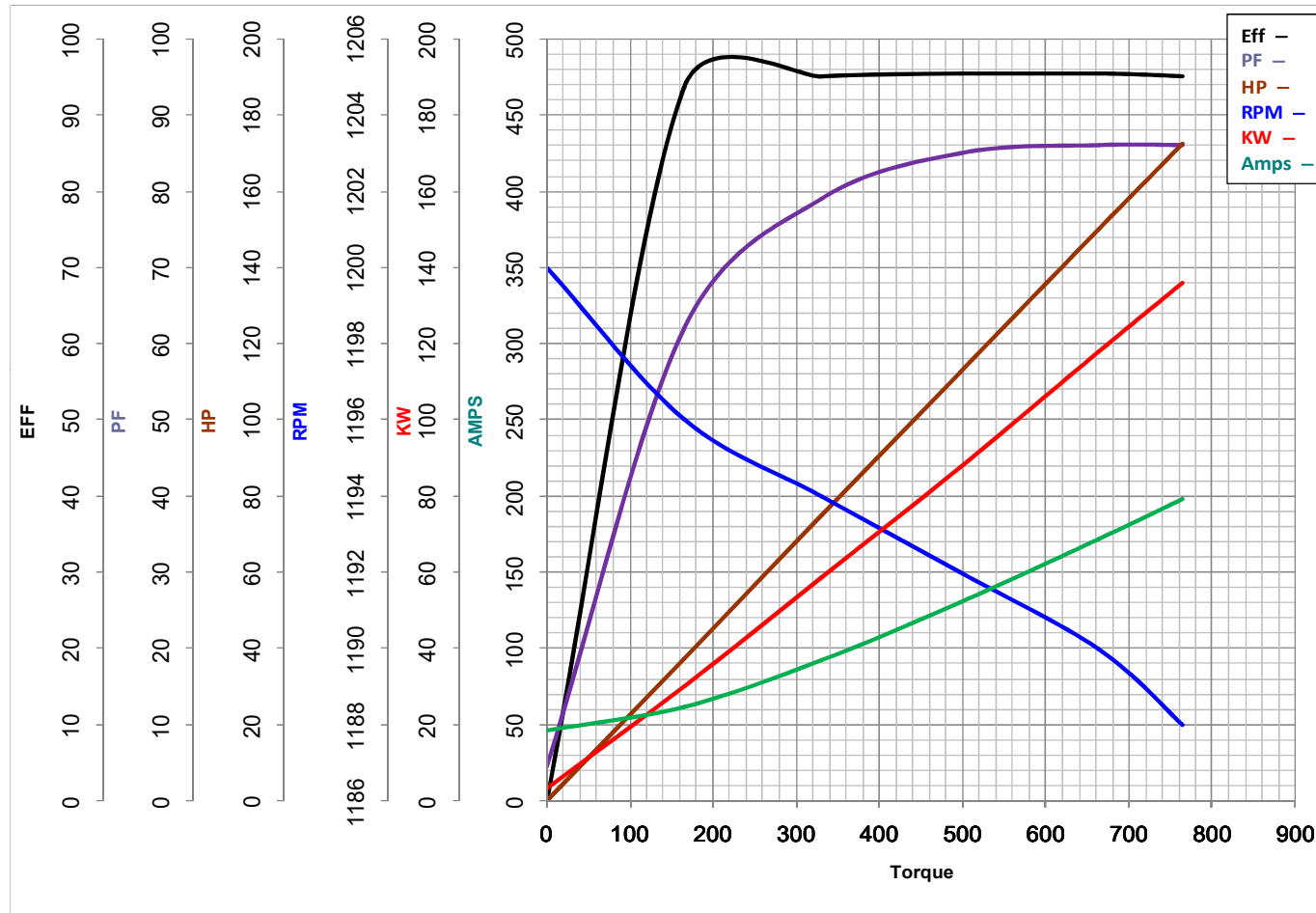
Curve at 460 Volts      HP 150&125      PHASE 3  
60 HZ  
150 HP      VOLTS 460&380

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HZ 60&50

RPM 1190&988



Torque in Lb.Ft

FL TORQUE 663 Lb.Ft  
 BD TORQUE 1450 Lb.Ft  
 LR TORQUE 1250 Lb.Ft

FL AMPS 172  
 PU TORQUE 1100.0 Lb.Ft  
 LR AMPS 1085

WINDING CHT44760002-1

Date 11/13/2018