

# PRODUCT INFORMATION PACKET



Model No: 170260.60

Catalog No: 170260.60

WATTSaver® General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1200 & 1000 RPM,  
445T Frame, TEFC



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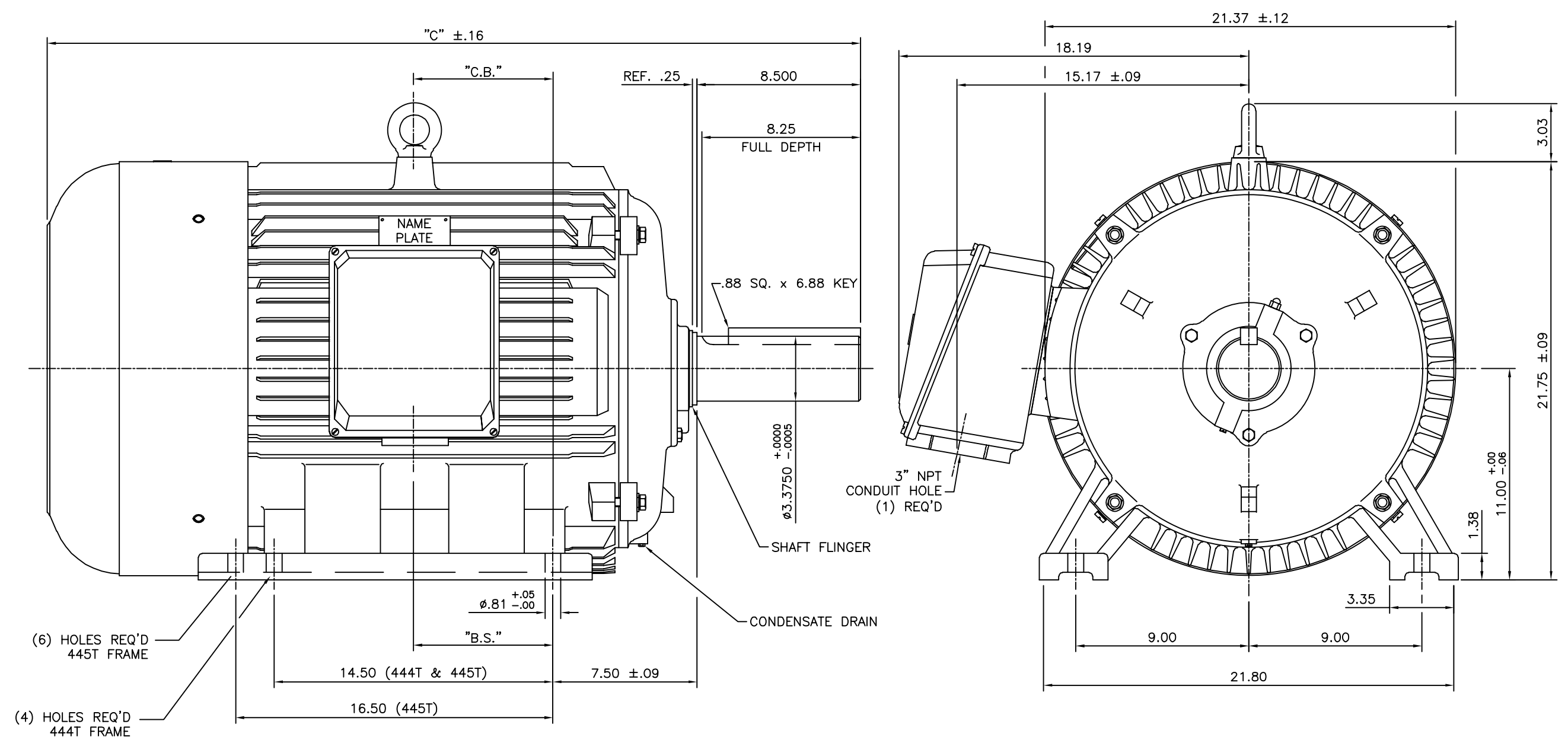
### Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	1192 & 992 rpm	Service Factor	1.15 & 1.15
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	155 & 150 A	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	0.0371 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	44.88 in
Shaft Diameter	3.375 in	Shaft Extension	8.5 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	005190.01	Outline Drawing	16954760

169547-60

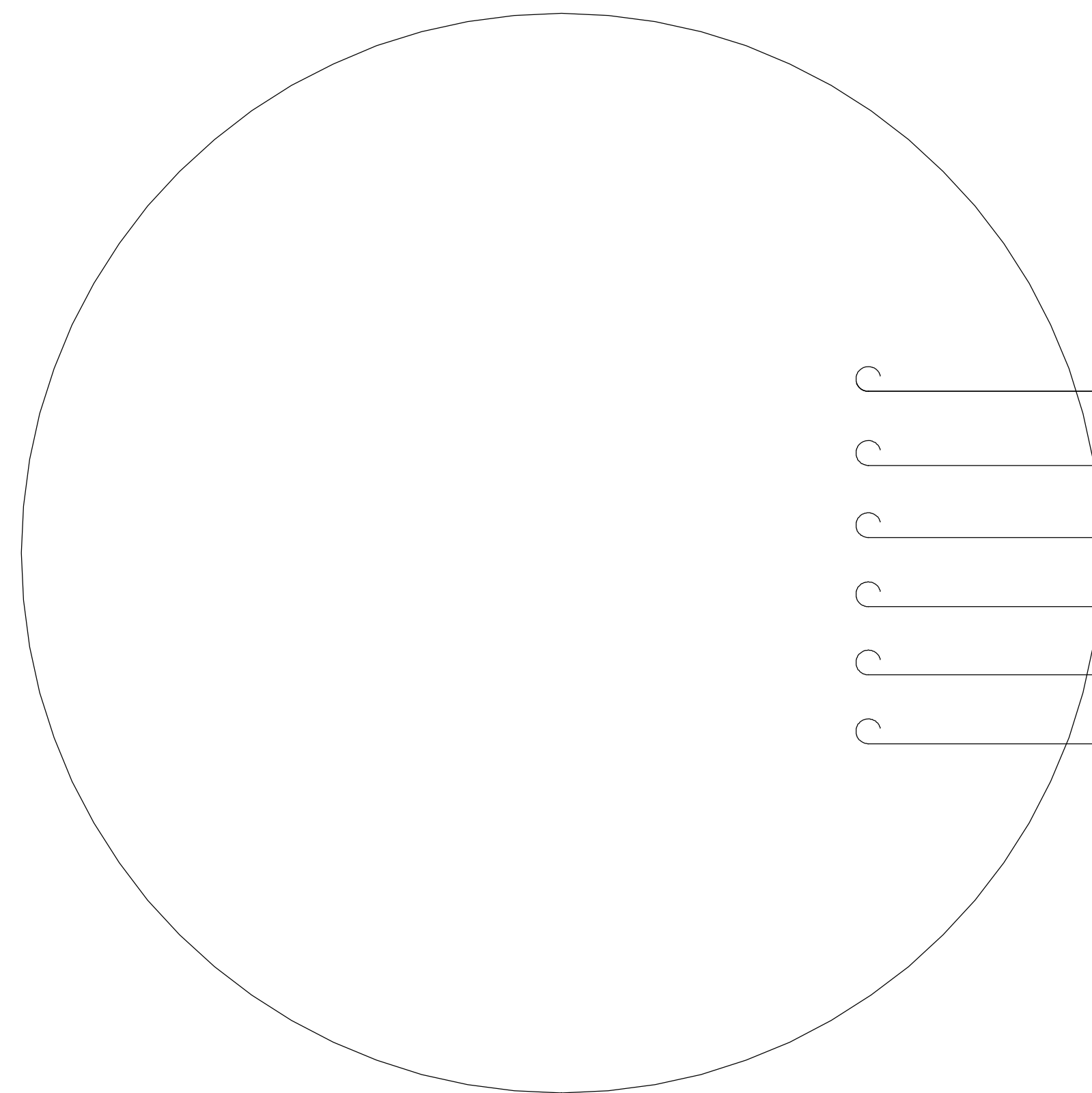


FRAME DESIGN	"C"	"C.B."	"B.S."
444T	42.87	7.25	---
445T	44.88	8.25	7.20

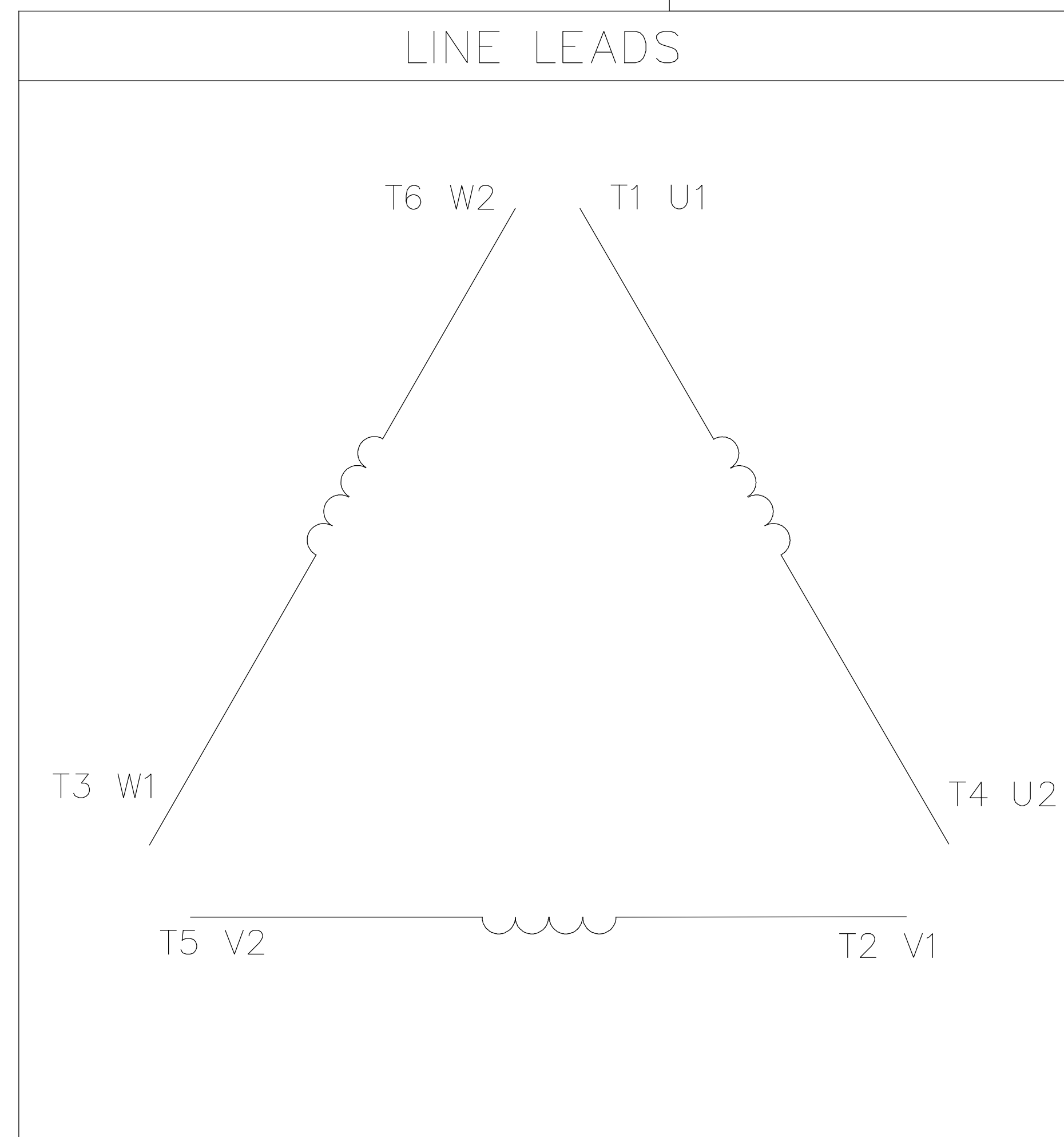
		TOLERANCES UNLESS SPECIFIED		<b>REGAL</b> Regal-Beloit Corporation		DRAWN MOL 06-26-2012	
		DEC.	INCHES			CHK SB 06-26-2012	
		.X	±.1	TITLE		SCALE 1=1	
		.XX	±.03	OUTLINE-444T/445T FR.-TEFC-RIGID		REF	
		.XXX	±.005	MEETS NEC/UL REQ.-BOX VOL=9750C.C.		FMF HWADA	
1	ADDED "BS" DIM. PER ECO-0048910	RFH	04/07/14	EH	.XXXX	±.0005	MAT'L.
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	16954760	SIZE DRAWING NO.
				DIST			B 169547-60
							REV. 1

005190-01

LINE LEADS



- T1 U1
- T2 V1
- T3 W1
- T4 U2
- T5 V2
- T6 W2



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS OTHERWISE SPECIFIED		<b>LEESON</b> ELECTRIC CORPORATION			
				DECIMALS					
04	ADDED MAT'L (CWLE) PER ECO-0168542	DS	6/10/2019			DRAWN PG 05/07/82	EXT. WIRING DIAGRAM STAR START - DELTA RUN		
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012	.00	± .01	CH'K'D. TEM			
02	REMOVED OBSOLETE STATUS	KJH	6/28/99	.000	± .005	APPR. 05/07/82	MAT'L. Y-CONNECTED START (CWLE) DELTA CONNECTED RUN - SINGLE VOLTAGE		
01	REDRAWN ON CAD	DBT	05/30/97	.0000	± .0005	SCALE 1=1			
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	REF. T2E	FINISH	SIZE	DRAWING NO.
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				ANGLES	± 1/2'	FMF	ELECTRO POWER	A	005190-01
				INCH/MM					



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005190.01  
OUTLINE: 16954760  
WINDING #: T22806005 3 A

CATALOG #: 170260.60  
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93.0&75.0	1200	1190&990	445T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	155&150	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	95.4	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	94.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	79.1	3/4 LOAD PF:	75	1/2 LOAD PF:	65	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
551 LB-FT	900	960 LB-FT 173 %	1285 LB-FT 232 %	110

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	- SEC.	0	1596 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	1045 HOT ROLLED (C-204)	CAST IRON
6318	6317						

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

\*  
N  
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S

<b>INVERTER TORQUE:</b> CONSTANT 2:1
<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

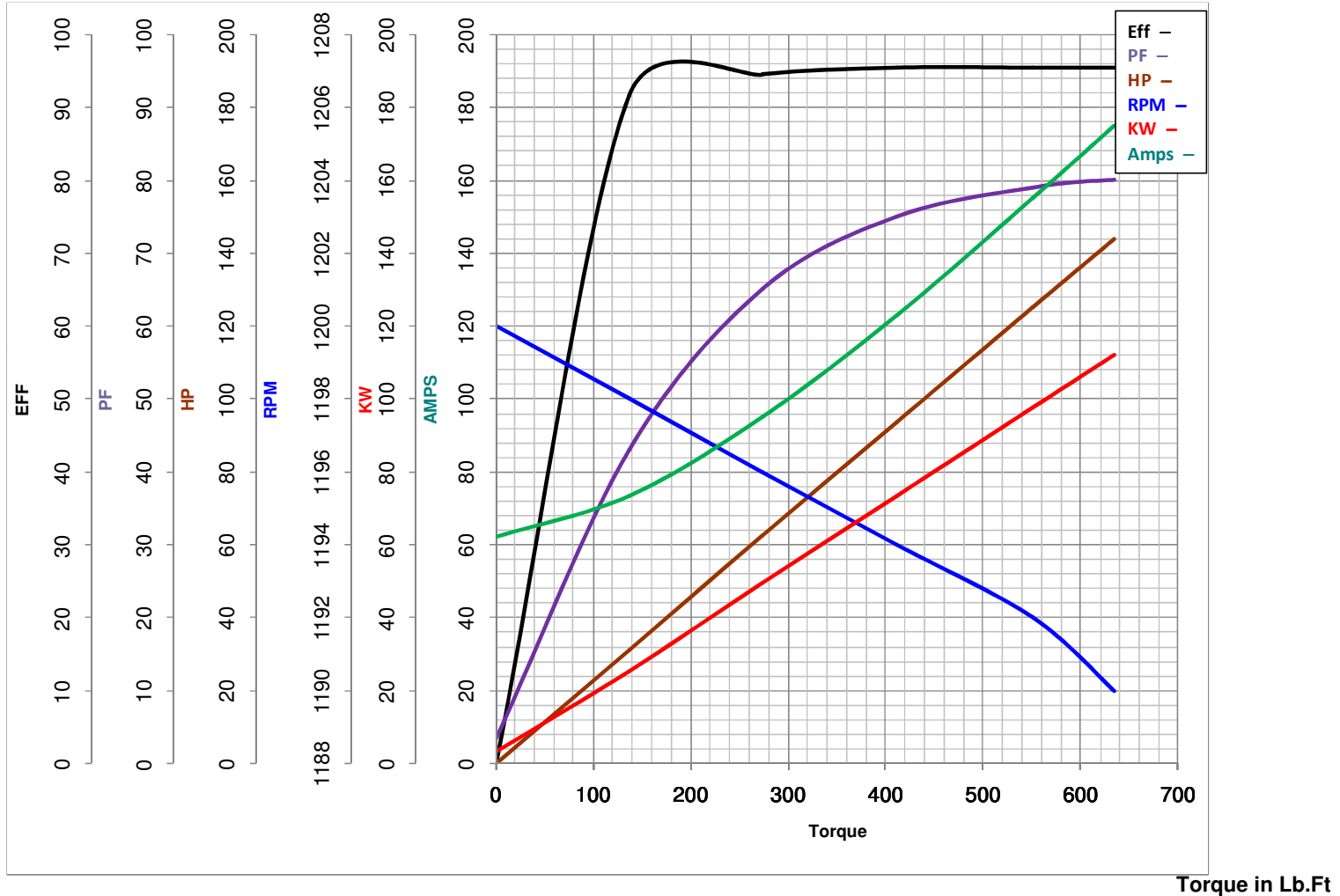
Curve at 460 Volts HP 125&100 PHASE 3  
60 HZ  
125 HP VOLTS 460&380

Model No 170260.6

Catalog No 170260.6

HZ 60&50

RPM 1190&990



FL TORQUE	<u>551</u>	Lb.Ft	FL AMPS	<u>155</u>
BD TORQUE	<u>1285.0</u>	Lb.Ft	PU TORQUE	<u>825.0</u>
LR TORQUE	<u>960</u>	Lb.Ft	LR AMPS	<u>900</u>
WINDING	T22806005-		Date	4/1/2019