

PRODUCT INFORMATION PACKET



Model No: 199040.00
Catalog No: 199040.00
150,1800,TEFC,445T,3/60/460



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Nameplate Specifications

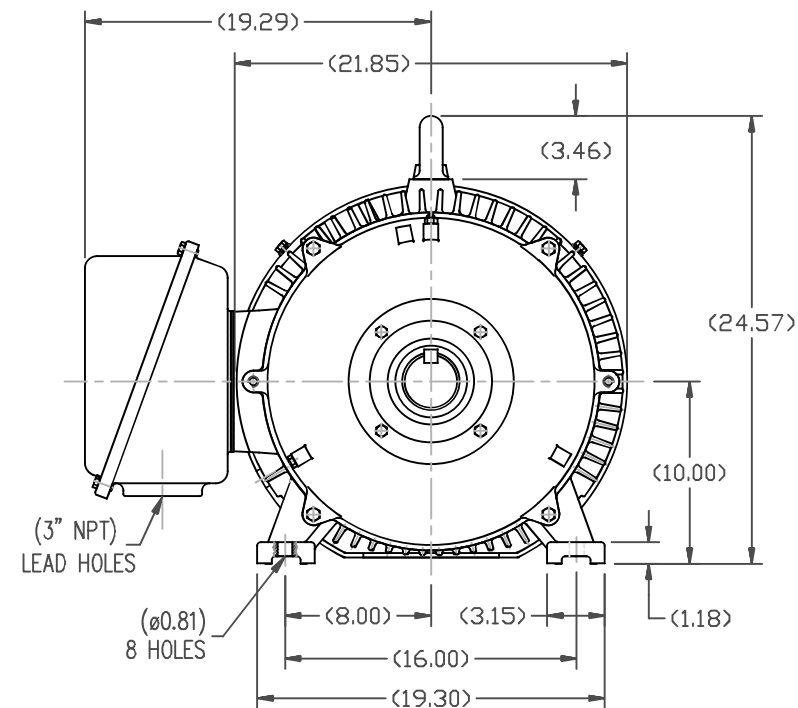
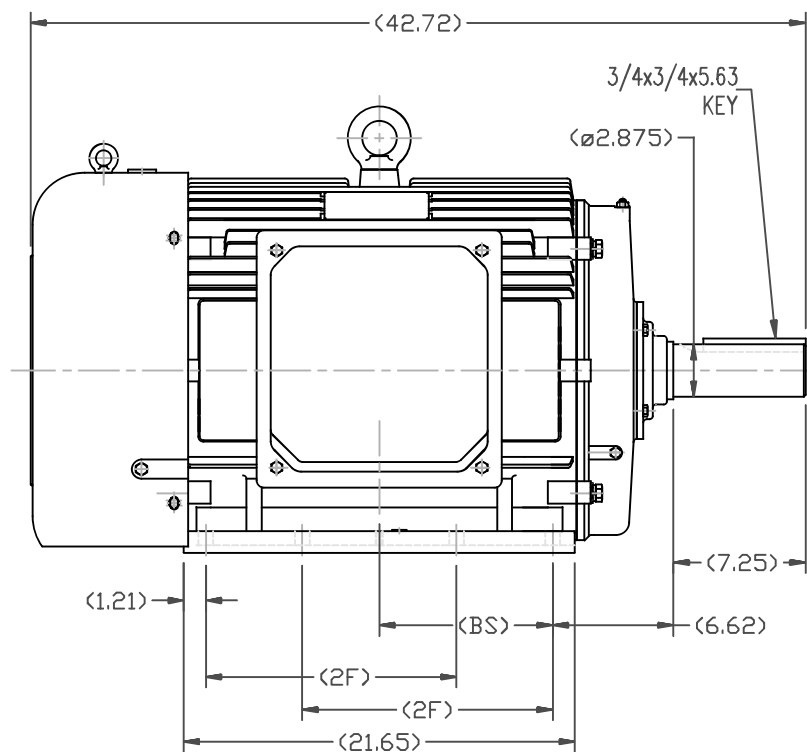
Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	1785 & 1488 rpm	Service Factor	1.15 & 1.15
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	224/112 & 204/102 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6315
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.045 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 20:1		
Outline Drawing	SS620286-405T	Connection Drawing	EE7308AA-LE

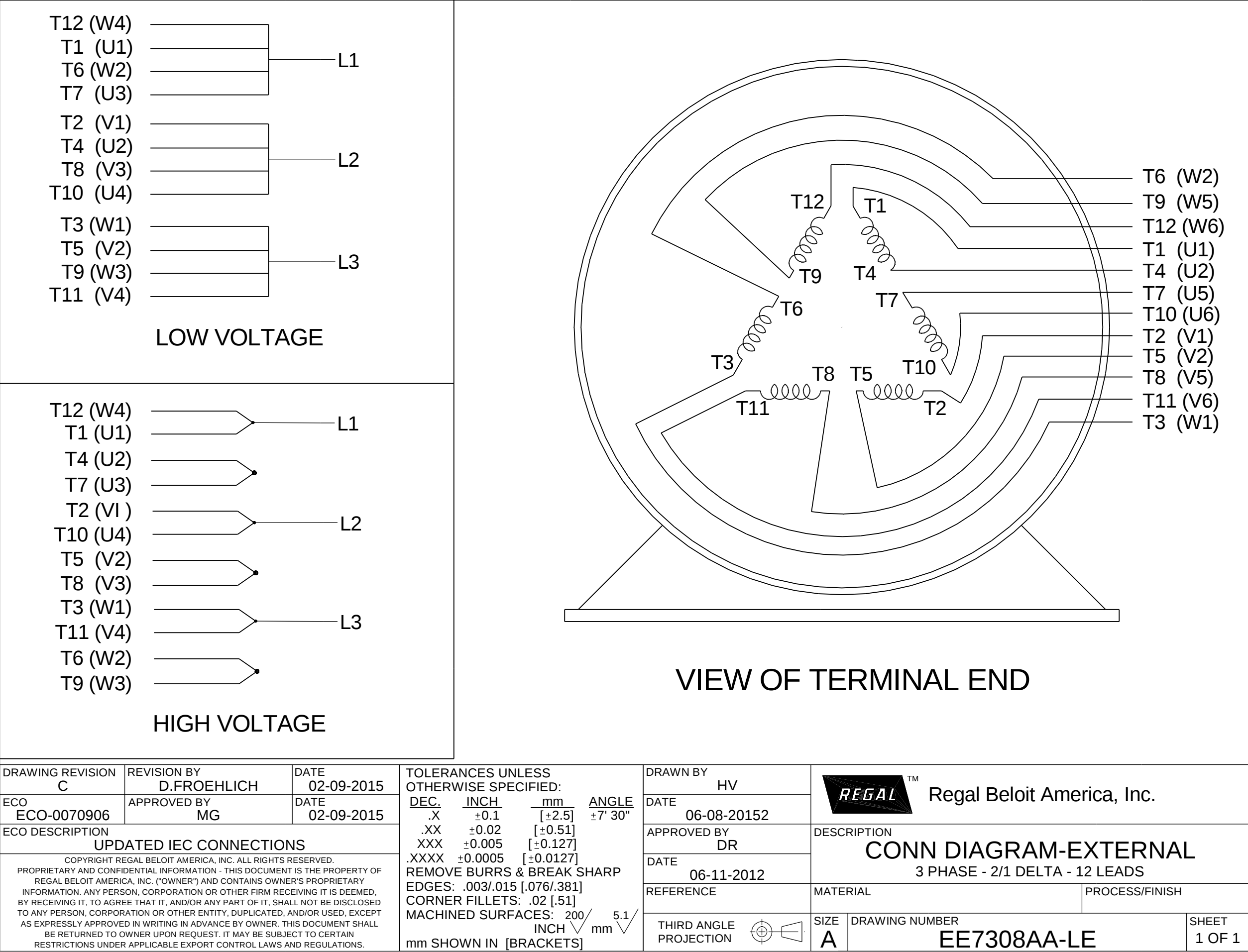
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SS620286



404T	12.25	---
405T	13.75	9.52
Frame	2F	BS

			TOLERANCES UNLESS SPECIFIED		REGAL - BELOIT CORPORATION		DRAWN HZJ 03-05-2010	
			DEC.	INCHES			CHK	ZYH 03-05-2010
			.X	±.1			APPD	CL 03-05-2010
			.XX	±.03	TITLE		SCALE	1=7
			.XXX	±.005	404/405T FR-TEFC-CAST IRON		REF	
1	ADDED 'BS' DIM. UPDATED TITLE BLOCK ECO-0048910	RFH04/07/2014	EH	.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	SS620286	SIZE
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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199040.00

OUTLINE: SS620286

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT40540003 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100&75	75.0&56.0	1800	1785&1488	405T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	224/112&204/102	Y START D RUN OR INV	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	ELEC. TYPE
FULL LOAD PF:	88&88	3/4 LOAD PF:	86	1/2 LOAD PF:	80	95	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
294 LB-FT	1450 / 725	500 LB-FT 170 %	800 LB-FT 272 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	35 LB-FT^2	550 LB-FT^2	25 SEC.	2	1625 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
6316	6315						

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



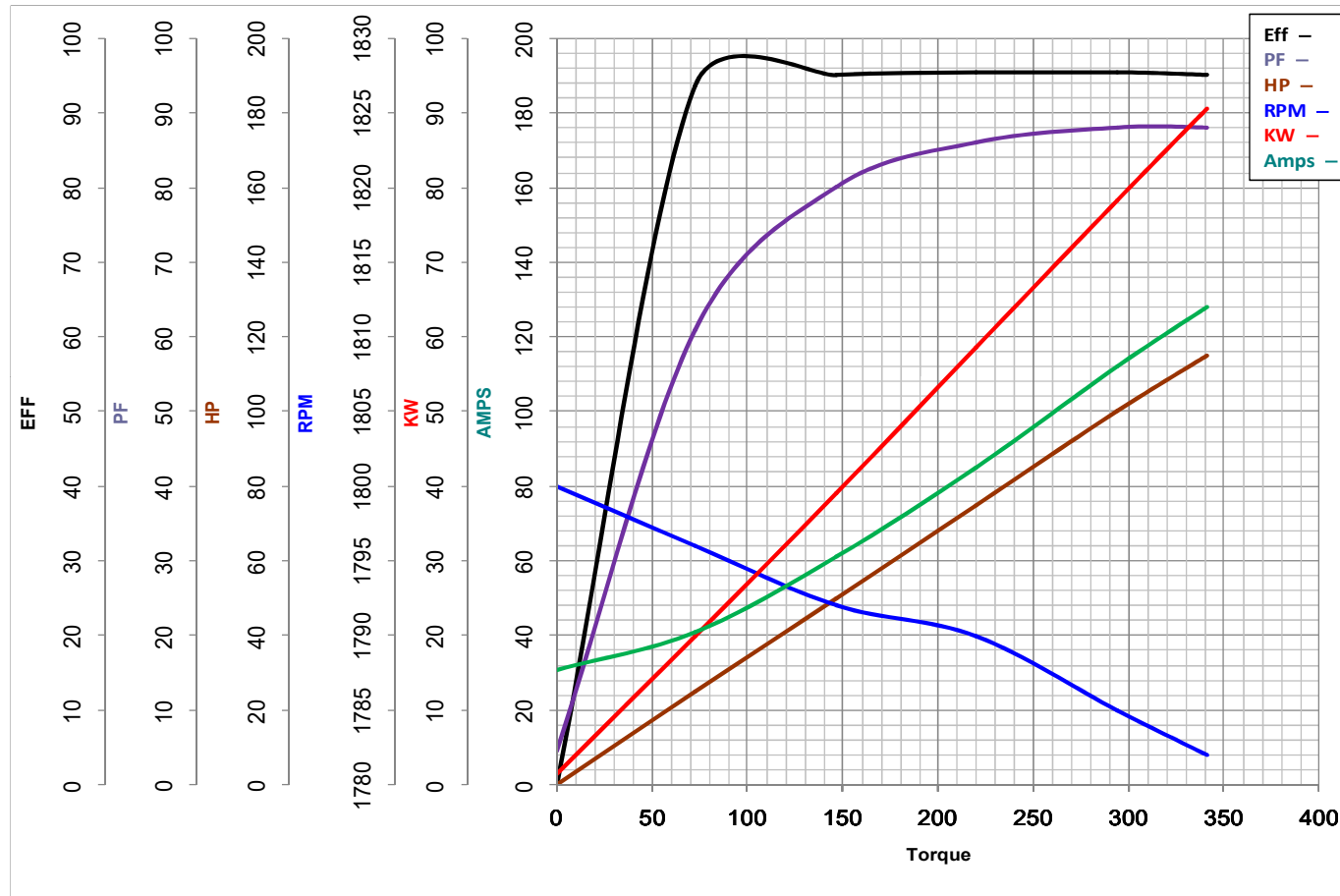
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199040.00

Curve at

460
60
100

Volts
HZ
HP
HP 100&75PHASE 3VOLTS 230/460&190/380Catalog No :199040.00HZ 60&50RPM 1785&1488

Torque in Lb.Ft

FL TORQUE 294 Lb.Ft
BD TORQUE 800.0 Lb.Ft
LR TORQUE 500 Lb.Ft

FL AMPS 224/112
PU TORQUE 400.0 Lb.Ft
LR AMPS 725

WINDING CHT40540003-1

Date 11/13/2018