

PRODUCT INFORMATION PACKET



Model No: 194124.00

Catalog No: 194124.00

Obsolete Replaced by B194124.00..40..3600.324JP.TEFC.230/460.3.60/50HZ.CONT.40C..RIGID C-FACE.....

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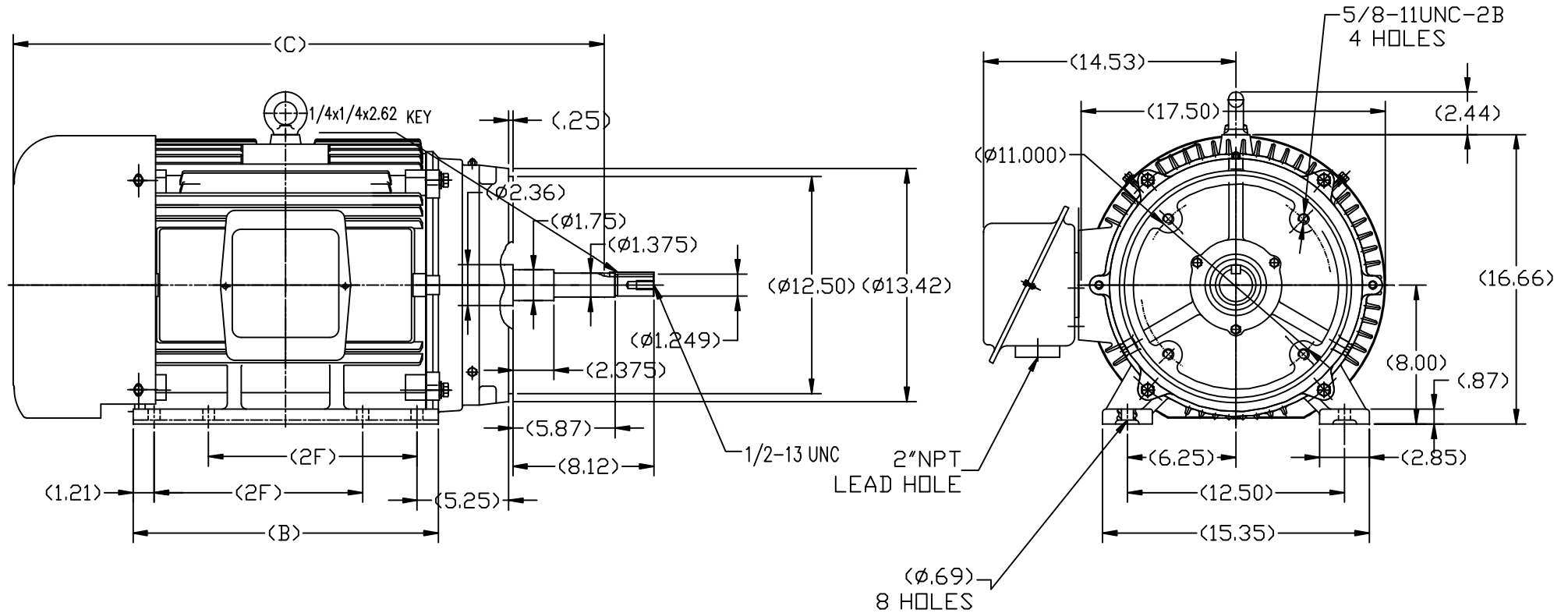
Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	3570 & 2970 rpm	Service Factor	1.15 & 1.15
Frame	324JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	88/44 & 81/40.5 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6212	Opp Drive End Bearing Size	6212
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

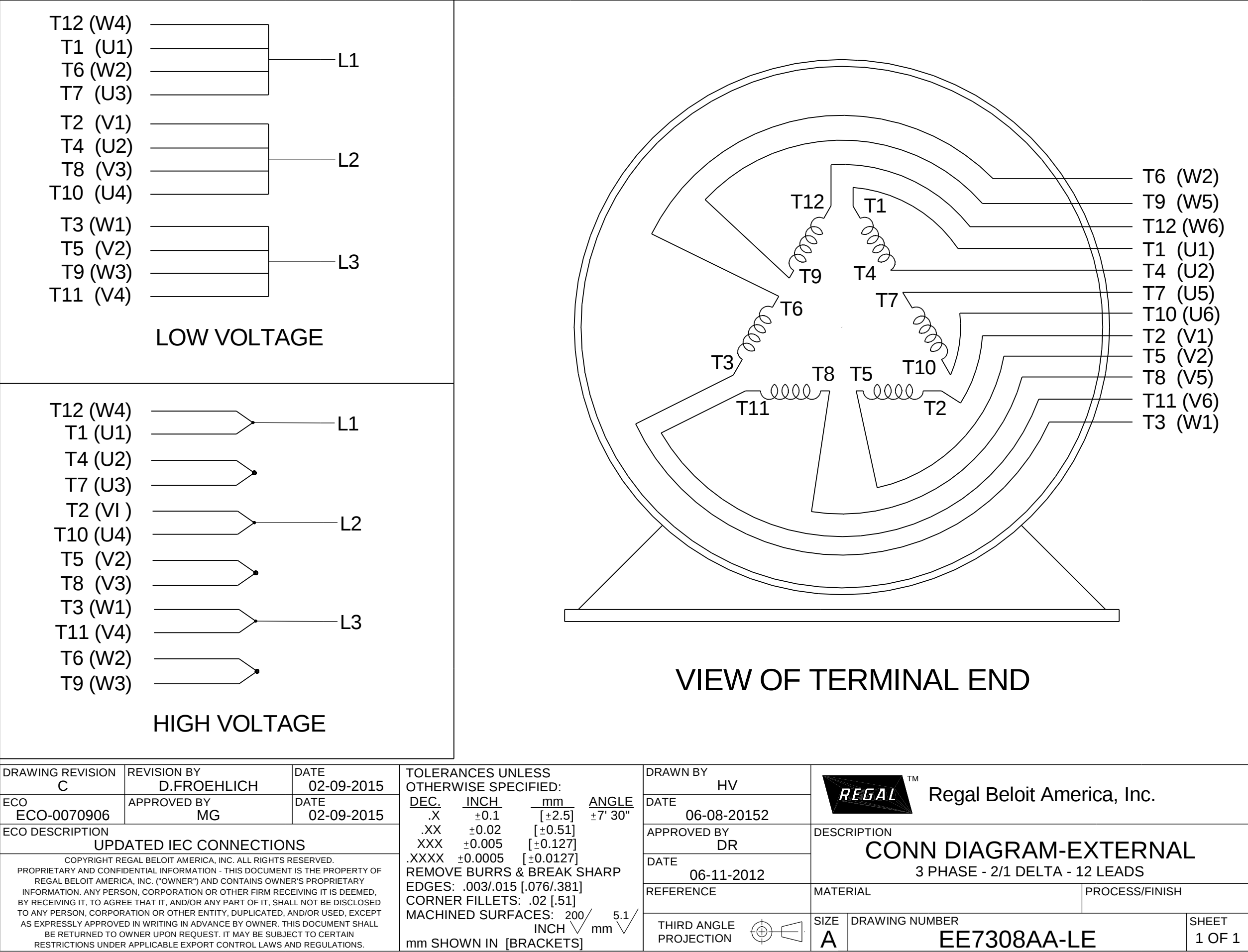
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.164 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 10:1		
Outline Drawing	SS620569	Connection Drawing	EE7308AA-LE

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324T	35.81	16.38	10.50
326T	36.99	17.56	12.00
FRAME	C	B	2F

TOLERANCES UNLESS SPECIFIED		DEC. INCHES		REGAL-BELOIT CORPORATION		DRAWN VY 05-23-2012	
.X	±.1	TITLE OUTLINE TEFC-324/326JP FR-CAST IRON		CHK ZYH 05-23-2012		APPD WGH 05-23-2012	
.XX	±.03						
.XXX	±.005						
.XXXX	±.0005	MAT'L		REF		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	SS620569	SIZE
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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 194124.00

OUTLINE: SS620569

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32420004 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30.0&22.4	3600	3570&2970	324JP	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	88/44&81/40.5	Y START D RUN OR INV	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	92.4&91.7	3/4 LOAD EFF:	93	1/2 LOAD EFF:	91.7	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&88	3/4 LOAD PF:	87	1/2 LOAD PF:	81.5	91.7		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59 LB-FT	540 / 270	85 LB-FT 144 %	135 LB-FT 230 %	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	4.8 LB-FT^2	25 LB-FT^2	20 SEC.	2	700 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6212	6212						

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 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

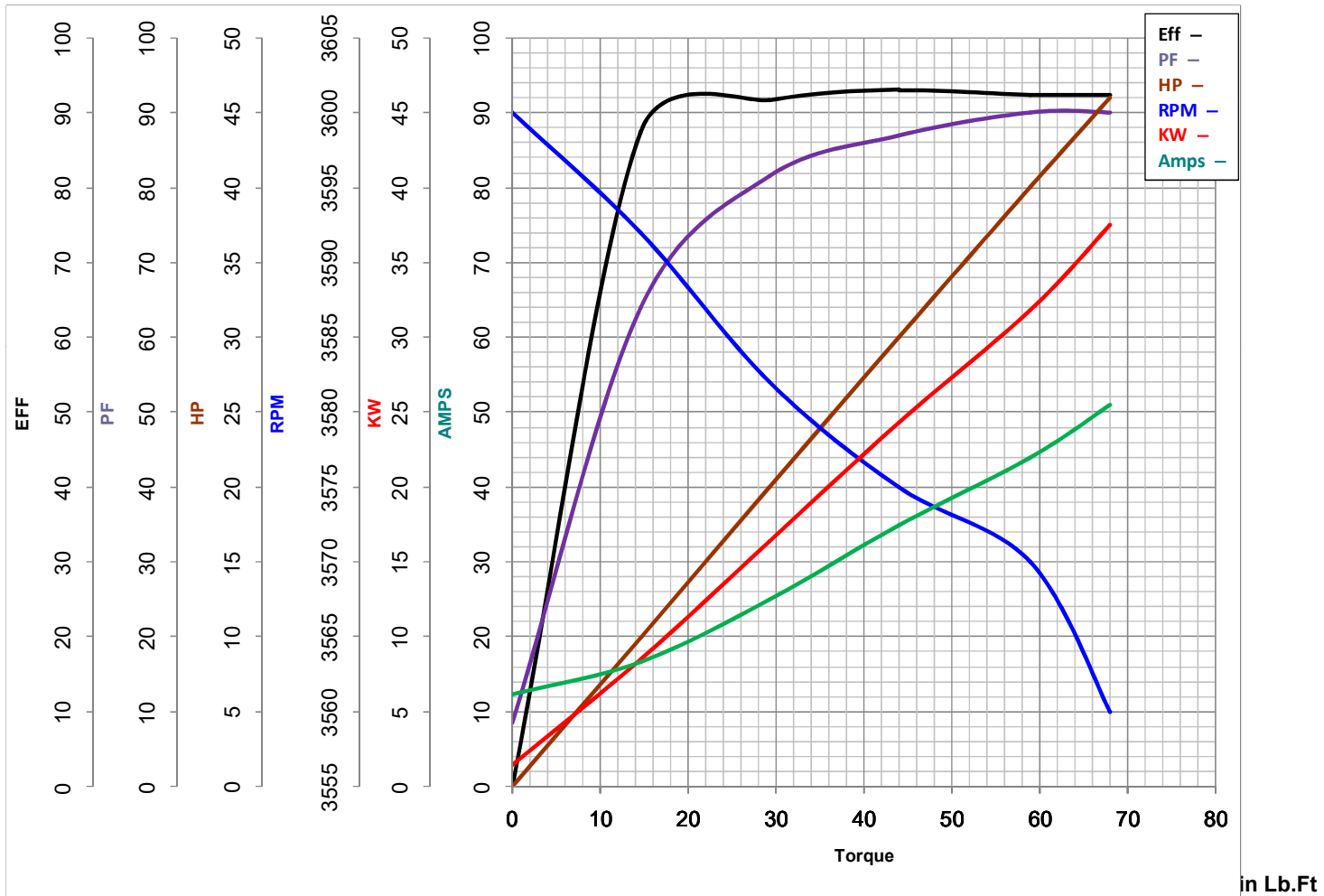
NONE NONE

NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 194124.00Curve at 460
60
40Volts
HZ
HPHP 40&30PHASE 3VOLTS 230/460&190/380Catalog No 194124.00HZ 60&50RPM 3570&2970

FL TORQUE 59 Lb.Ft
 BD TORQUE 135.0 Lb.Ft
 LR TORQUE 85 Lb.Ft

FL AMPS 88/44
 PU TORQUE 73.0 Lb.Ft
 LR AMPS 270

WINDING CHT32420004-1

Date 10/30/2018