

PRODUCT INFORMATION PACKET



Model No: 199974.00

Catalog No: 199974.00

Obsolete Replaced by B199974.00..50..1800.326JM.OPEN.230/460V.3.60/50HZ.CONT.40C..RIGID C-FACE.....

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Nameplate Specifications

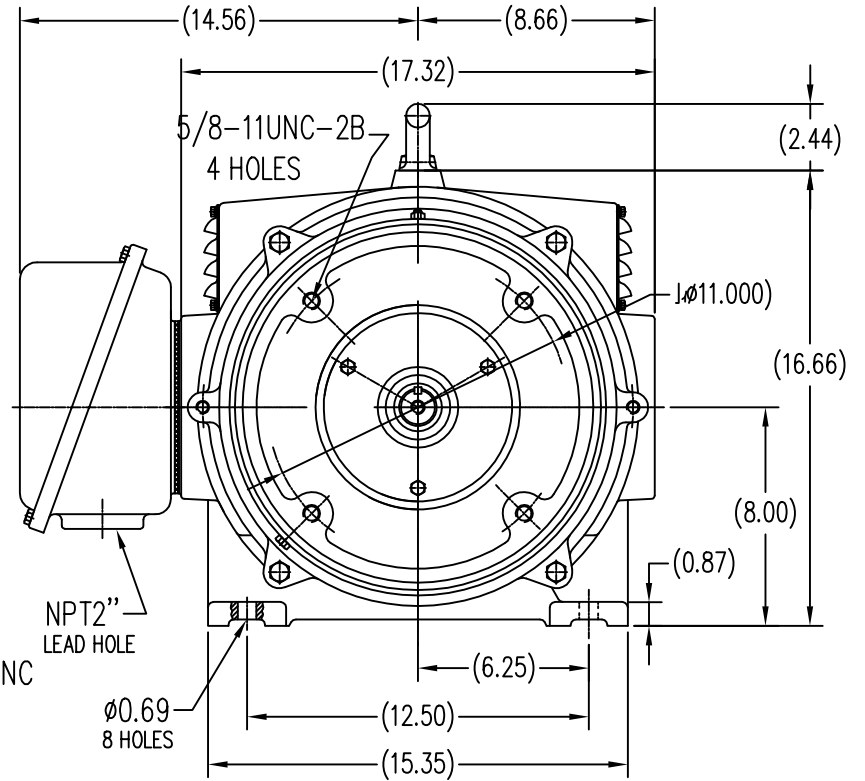
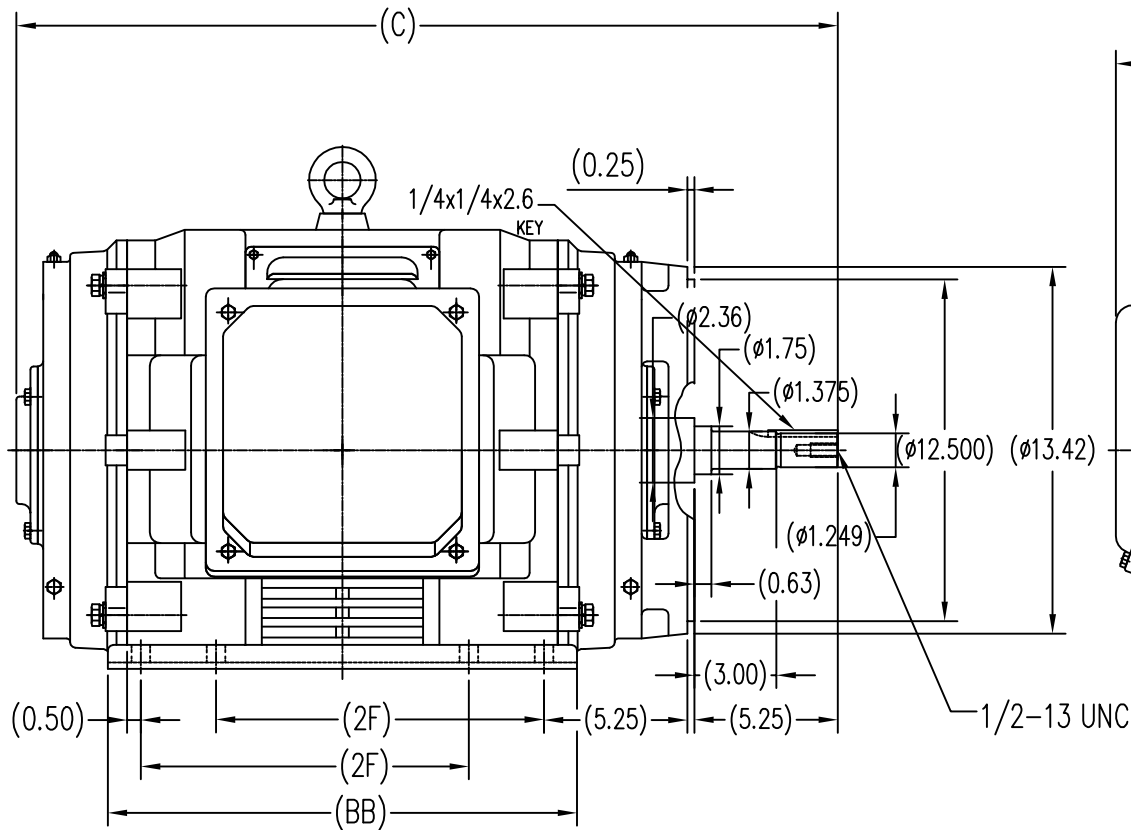
Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	1785 & 1480 rpm	Service Factor	1.15 & 1.0
Frame	326JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	118/59 & 114/57 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	12
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	.1714 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 4:1		
Outline Drawing	SS620315	Connection Drawing	EE7308AA-LE

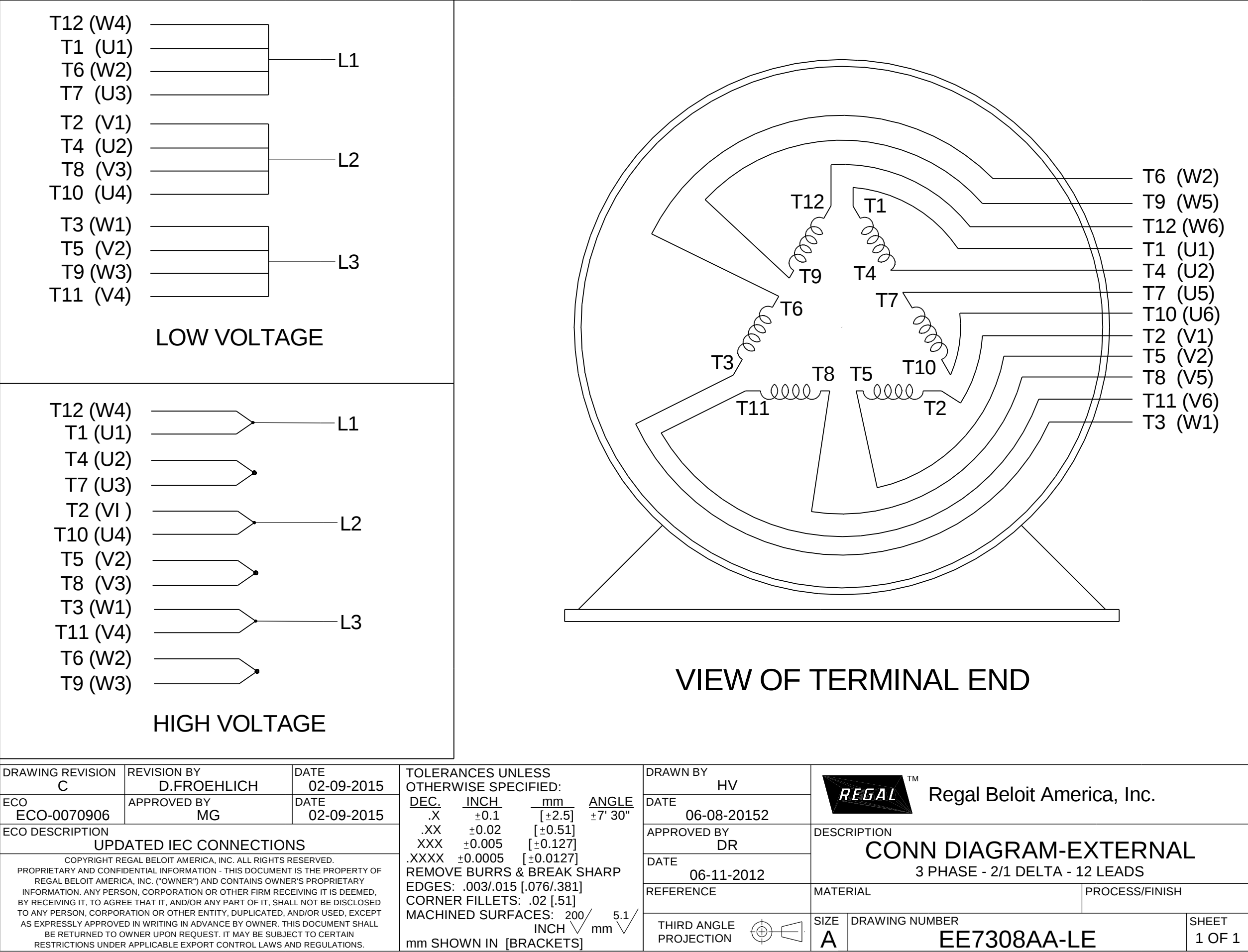
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SS620315



324T	10.50	15.99	28.94
326T	12.00	17.17	30.12
FRAME	2F	BB	C

TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN ZYH 6-8-2010	
DEC.	INCHES	CHK	HZJ 6-8-2010	APPD	CL 6-8-2010
X	±.1				
XX	±.03				
XXX	±.005				
XXXX	±.0005				
NO.	REVISION	BY & DATE	CHK	ANG	FINISH
			RFP		CAD FILE JM 324-326
			DIST		
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				SIZE B	DRAWING NO. SS620315
					REV.





CERTIFICATION DATA SHEET

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

CUSTOMER:

ORDER #:

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199974.00

OUTLINE: SS620315

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32640004 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37.0&30.0	1800	1785&1480	326JM	DP	F	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	118/59&114/57	Y START D RUN OR INV	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	94.5&94.1	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83.5&84	3/4 LOAD PF:	81	1/2 LOAD PF:	73	93.6	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
147 LB-FT	680 / 340	324 LB-FT 220 %	368 LB-FT 250 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	10.5 LB-FT^2	- LB-FT^2	20 SEC.	2	575 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	JM	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6311						

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 4:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

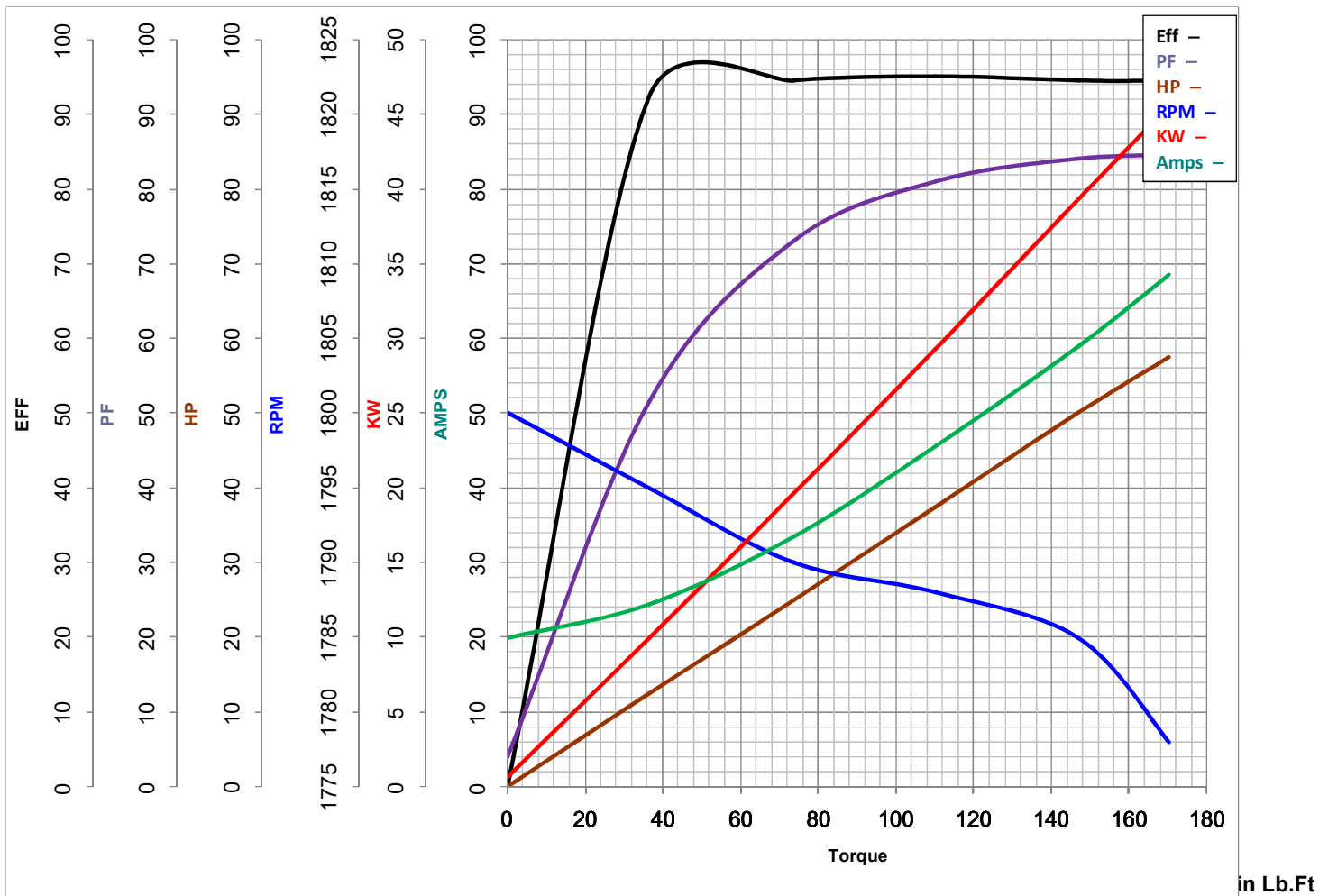
NONE NONE

NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199974.00Curve at 460
60
50Volts
HZ
HPHP 50&40PHASE 3VOLTS 230/460&190/380Catalog No 199974.00HZ 60&50RPM 1785&1480

FL TORQUE 147 Lb.Ft
 BD TORQUE 368.0 Lb.Ft
 LR TORQUE 324 Lb.Ft

FL AMPS 118/59
 PU TORQUE 210.0 Lb.Ft
 LR AMPS 340

WINDING CHT32640004-1

Date 10/29/2018