

PRODUCT INFORMATION PACKET



Model No: 199973.00
Catalog No: 199973.00
Obsolete,

replaced by B199973.00 -.50..3600.324JM.OPEN.230/460V.3.60/50HZ.CONT.40C..RIGID C-FACE.....



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Nameplate Specifications

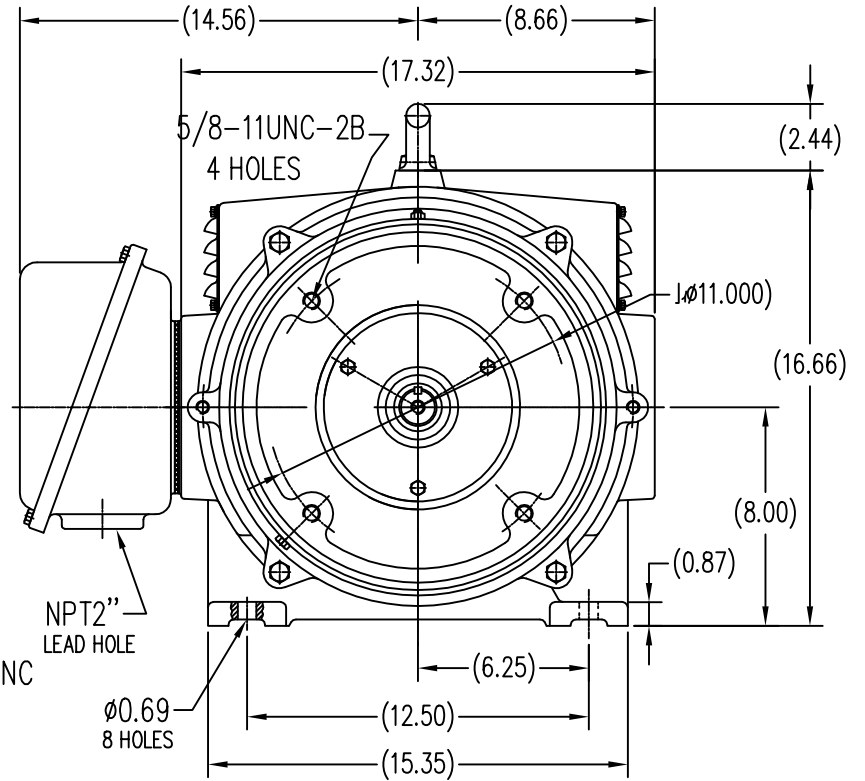
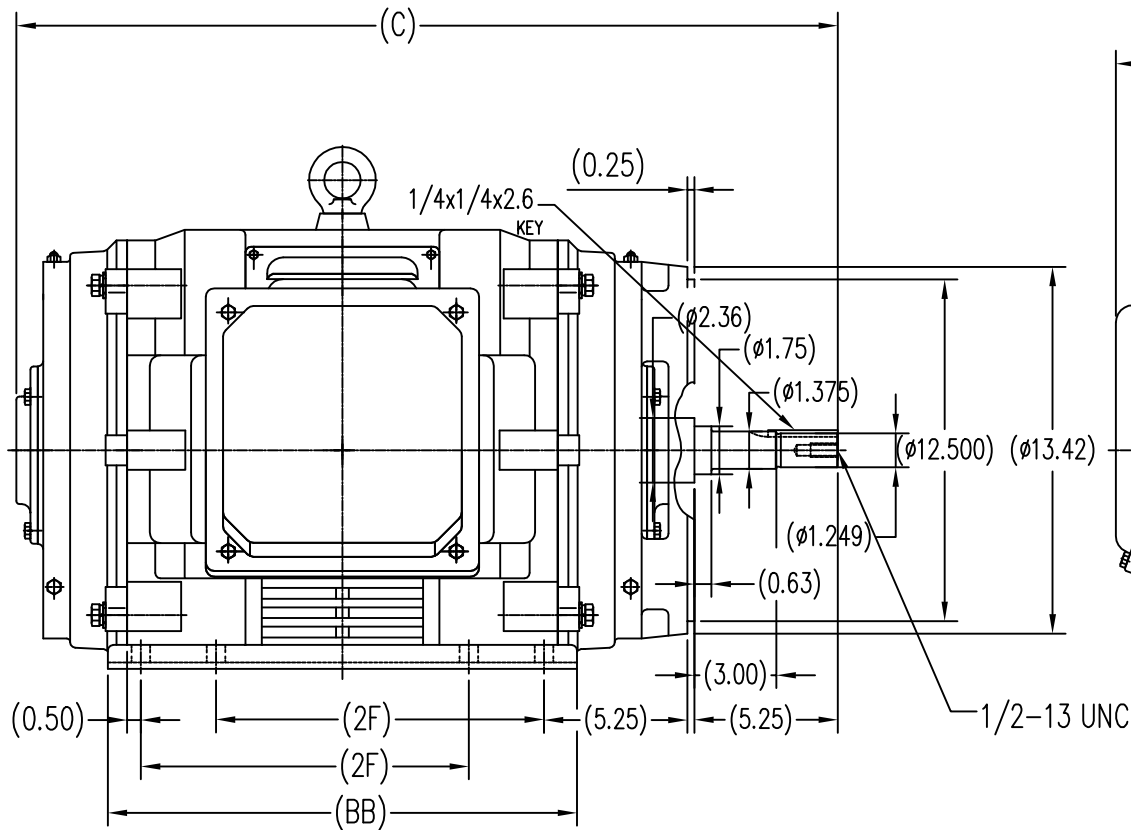
Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	3570 & 2977 rpm	Service Factor	1.15 & 1.0
Frame	324JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	111/55.5 & 108/54 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6212	Opp Drive End Bearing Size	6212
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	2	Rotation	Reversible
Resistance Main	.132 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	VARIABLE 10:1		
Outline Drawing	SS620315	Connection Drawing	EE7308AA-LE

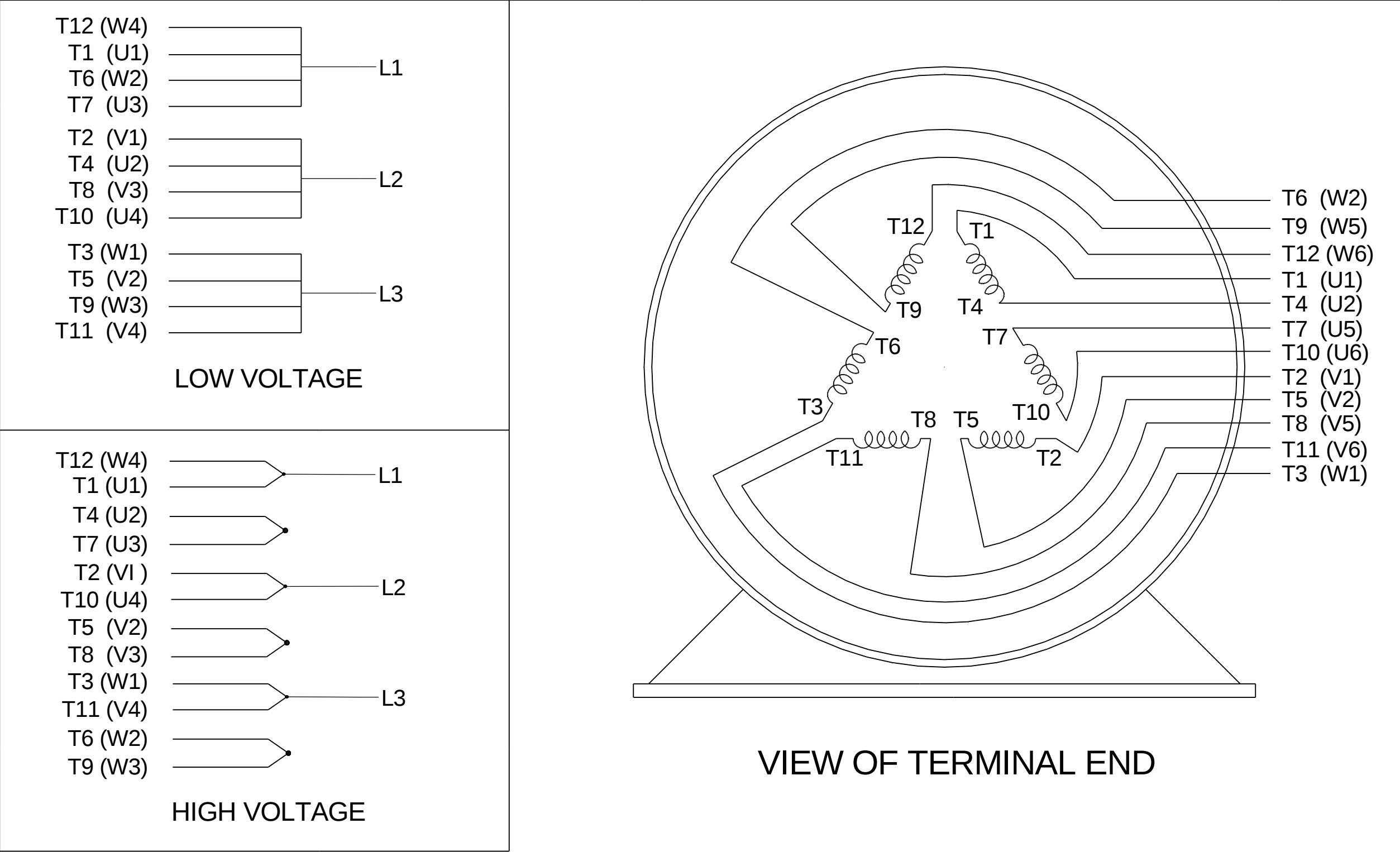
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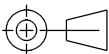
SS620315



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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					REV.



DRAWING REVISION C		REVISION BY D.FROEHLICH	DATE 02-09-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: <table><tr><td>DEC.</td><td>INCH</td><td>mm</td><td>ANGLE</td></tr><tr><td>.X</td><td>±0.1</td><td>[±2.5]</td><td>±7° 30"</td></tr><tr><td>.XX</td><td>±0.02</td><td>[±0.51]</td><td></td></tr><tr><td>.XXX</td><td>±0.005</td><td>[±0.127]</td><td></td></tr><tr><td>.XXXX</td><td>±0.0005</td><td>[±0.0127]</td><td></td></tr></table> REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]	DEC.	INCH	mm	ANGLE	.X	±0.1	[±2.5]	±7° 30"	.XX	±0.02	[±0.51]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]		DRAWN BY HV		 Regal Beloit America, Inc.		
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ECO ECO-0070906		APPROVED BY MG	DATE 02-09-2015	DATE 06-08-20152	DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - 2/1 DELTA - 12 LEADS																								
ECO DESCRIPTION UPDATED IEC CONNECTIONS				APPROVED BY DR																									
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				REFERENCE	MATERIAL			PROCESS/FINISH																					
				THIRD ANGLE PROJECTION			SIZE A	DRAWING NUMBER EE7308AA-LE		SHEET 1 OF 1																			



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199973.00

OUTLINE: SS620315

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32420003 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37.0&30.0	3600	3570&2977	324JM	DP	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	111/55.5&108/54	Y START D RUN OR INV	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	93&92.4	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	92.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	89&88	3/4 LOAD PF:	87	1/2 LOAD PF:	83	92.4		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.8 LB-FT	636 / 318	113 LB-FT 153 %	168 LB-FT 227 %	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	4.8 LB-FT^2	- LB-FT^2	15 SEC.	2	450 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
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: VARIABLE 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

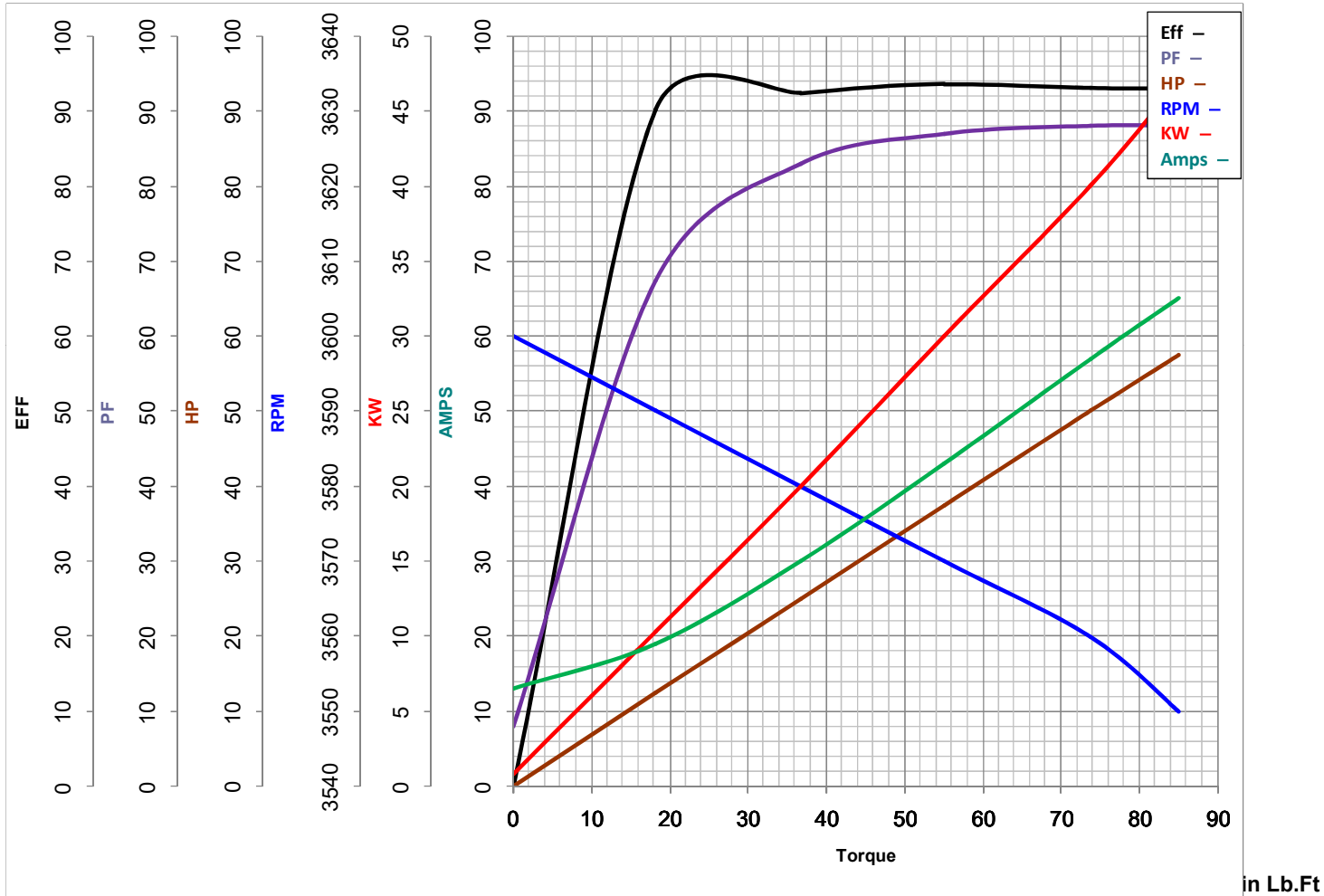
NONE NONE

FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199973.00Curve at 460
60
50Volts
HZ
HPHP 50&40PHASE 3VOLTS 230/460&190/380Catalog No 199973.00HZ 60&50RPM 3570&2977

FL TORQUE 73.8 Lb.Ft
 BD TORQUE 168.0 Lb.Ft
 LR TORQUE 113 Lb.Ft

FL AMPS 111/55.5
 PU TORQUE 102.0 Lb.Ft
 LR AMPS 318

WINDING CHT32420003-1

Date 10/29/2018