

# PRODUCT INFORMATION PACKET



Model No: 199985.00

Catalog No: 199985.00

Obsolete Replaced by B199985.00..50HP..3600RPM.326JM.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.  
.....JM PUMP.....



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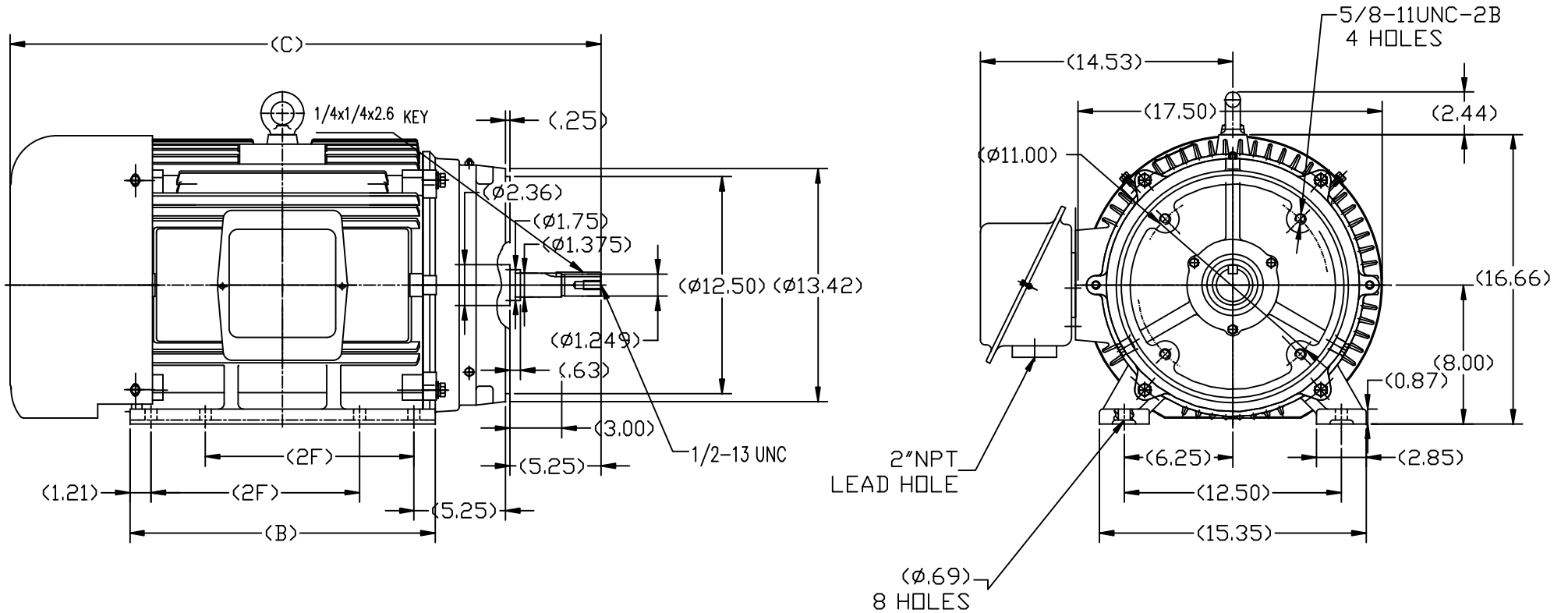
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>50 &amp; 40 Hp</b>
Output KW	<b>37.0 &amp; 30.0 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>3570 &amp; 2970 rpm</b>	Service Factor	<b>1.15 &amp; 1.0</b>
Frame	<b>326JM</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>93 &amp; 93 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>109/54.5 &amp; 106/53 A</b>	Power Factor	<b>90</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6212</b>	Opp Drive End Bearing Size	<b>6212</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

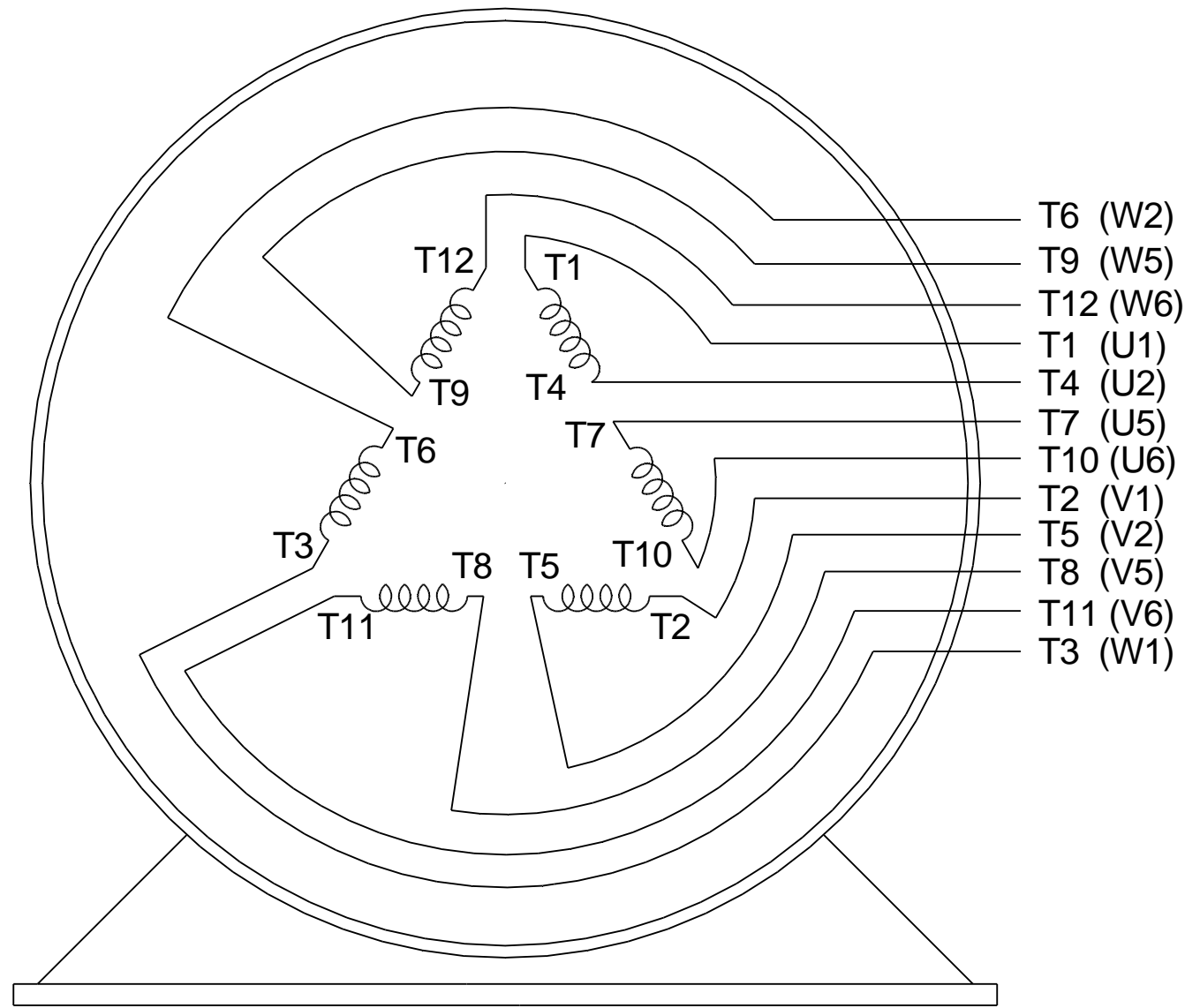
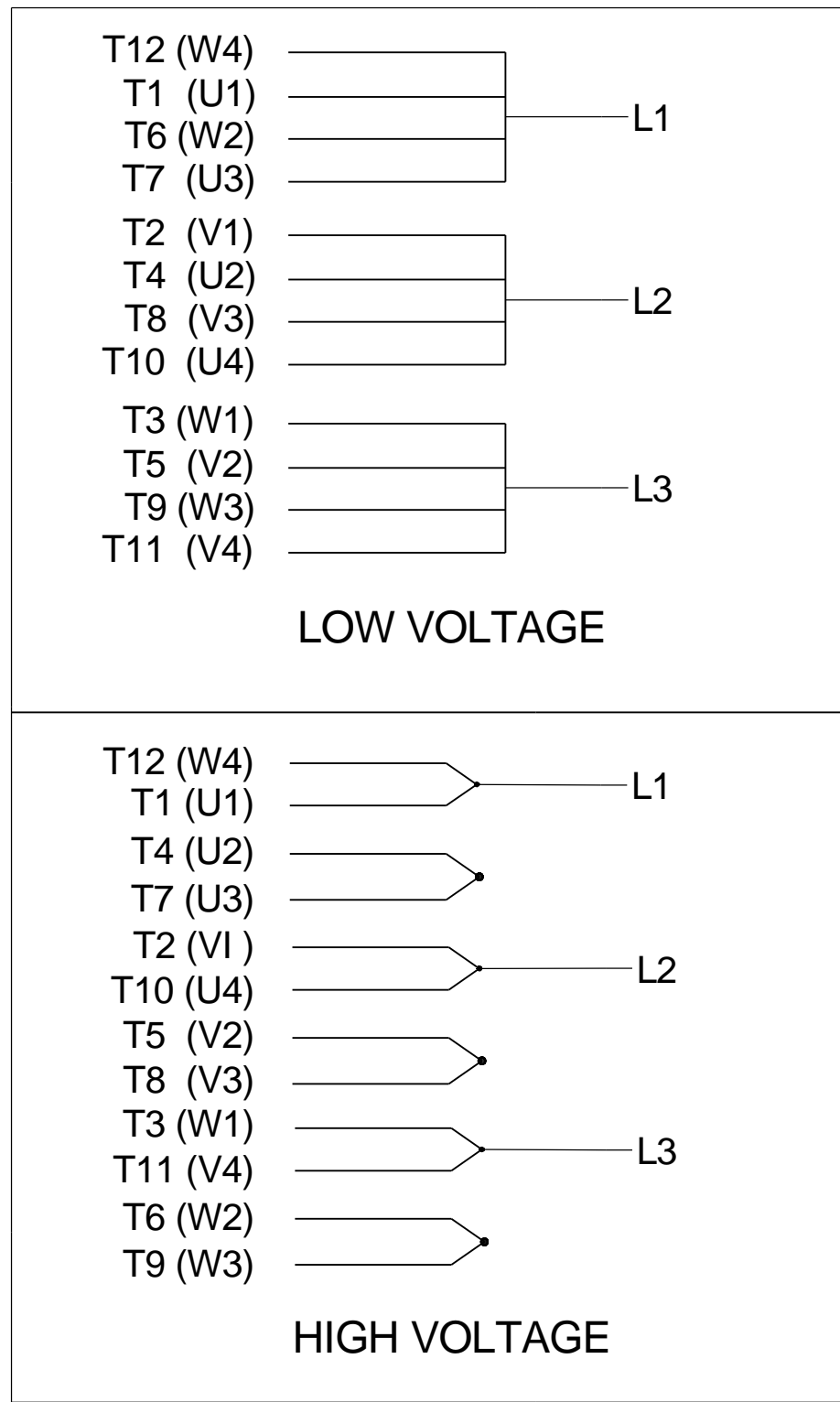
Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Wye Start Delta Run Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.12 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>JM</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Inverter Load	<b>CONSTANT 10:1</b>		
Outline Drawing	<b>SS620566-326T</b>	Connection Drawing	<b>EE7308AA-LE</b>

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324T	32.93	16.38	10.50
326T	34.11	17.56	12.00
FRAME	C	B	2F

TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN VY 05-23-2012	
DEC.	INCHES	REGAL-BELOIT CORPORATION		CHK	ZYH 05-23-2012
.X	±.1	TITLE		APPD	WGH 05-23-2012
.XX	±.03	OUTLINE		SCALE	1=7
.XXX	±.005	TEFC-324/326JM FR-CAST IRON		REF	
.XXXX	±.0005	MAT'L.		FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/2
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	SS620566
			DIST	SIZE	DRAWING NO.
				B	SS620566
					REV.



VIEW OF TERMINAL END

DRAWING REVISION C	REVISION BY D.FROEHLICH	DATE 02-09-2015
ECO ECO-0070906	APPROVED BY MG	DATE 02-09-2015

ECO DESCRIPTION  
UPDATED IEC CONNECTIONS

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TOLERANCES UNLESS OTHERWISE SPECIFIED:  

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]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381]  
 CORNER FILLETS: .02 [.51]  
 MACHINED SURFACES: 200 INCH 5.1 mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY HV	DATE 06-08-2015
APPROVED BY DR	DATE 06-11-2012
REFERENCE	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION <b>CONN DIAGRAM-EXTERNAL</b> 3 PHASE - 2/1 DELTA - 12 LEADS	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER <b>EE7308AA-LE</b>
SHEET 1 OF 1	



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** EE7308AA-LE

**CATALOG #:** 199985.00

**OUTLINE:** SS620566

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** CHT32620003 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&2970	326JM	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	109/54.5&106/53	Y START D RUN OR INV	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	93&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	90&90	3/4 LOAD PF:	89	1/2 LOAD PF:	84.5	92.4		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L,R. TORQUE	B,D. TORQUE	F.L. RISE°C
73.5 LB-FT	670 / 335	117 LB-FT 159 %	175 LB-FT 238 %	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	5.4 LB-FT^2	27 LB-FT^2	15 SEC.	2	800 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

\*  
N  
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S

<b>INVERTER TORQUE:</b> CONSTANT 10:1
<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



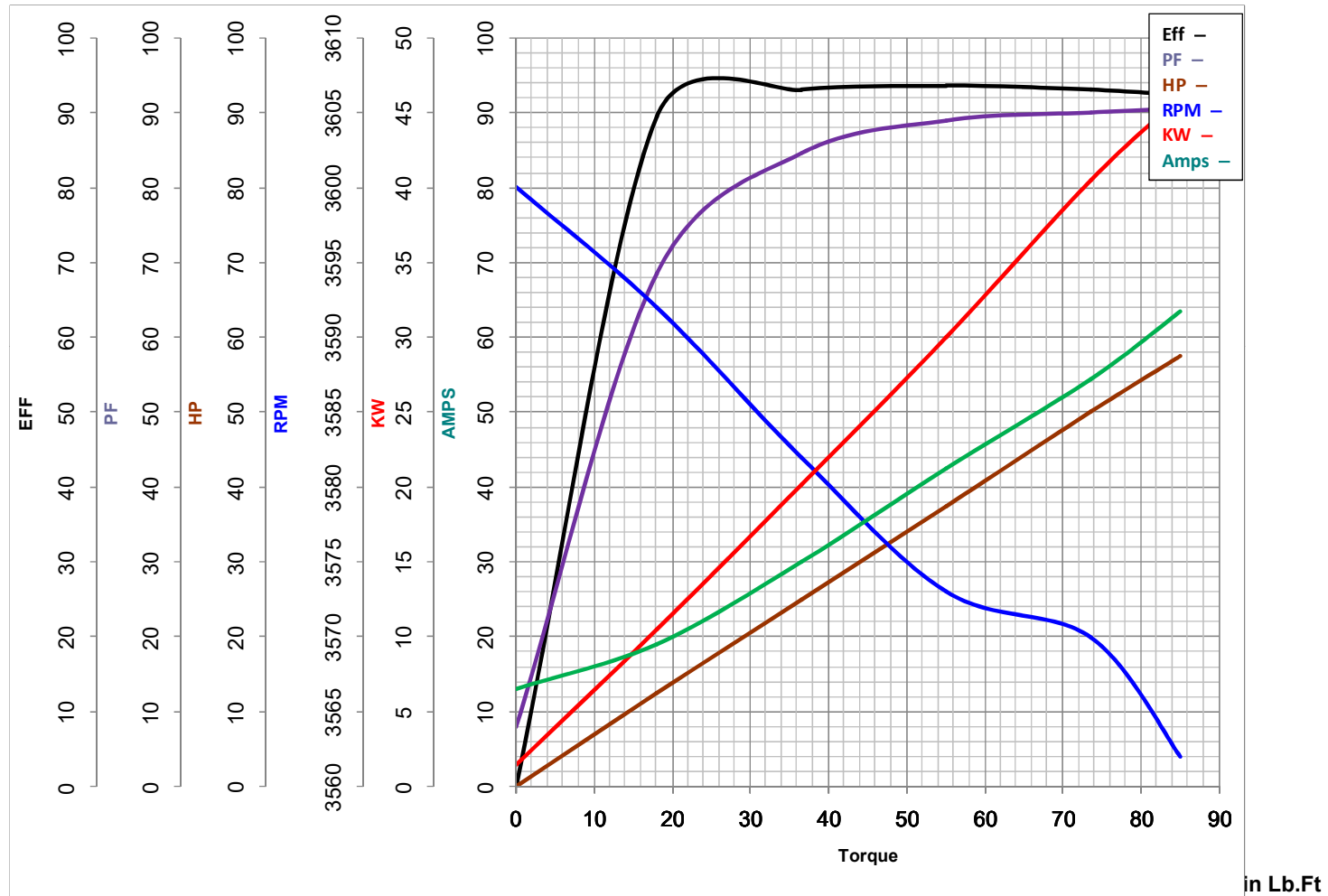
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199985.00

Curve at 460 Volts      HP 50&40      PHASE 3  
60 HZ  
50 HP      VOLTS 230/460&190/380

Catalog No 199985.00

HZ 60&50      RPM 3570&2970



FL TORQUE	<u>73.5</u> Lb.Ft	FL AMPS	<u>109/54.5</u>
BD TORQUE	<u>175.0</u> Lb.Ft	PU TORQUE	<u>100.0</u> Lb.Ft
LR TORQUE	<u>117</u> Lb.Ft	LR AMPS	<u>335</u>
WINDING	CHT32620003-1	Date	10/29/2018