

PRODUCT INFORMATION PACKET



Model No: 199981.00

Catalog No: 199981.00

Obsolete Replaced by B199981.00..30HP..3600RPM.286JM.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.
.....JM PUMP.....



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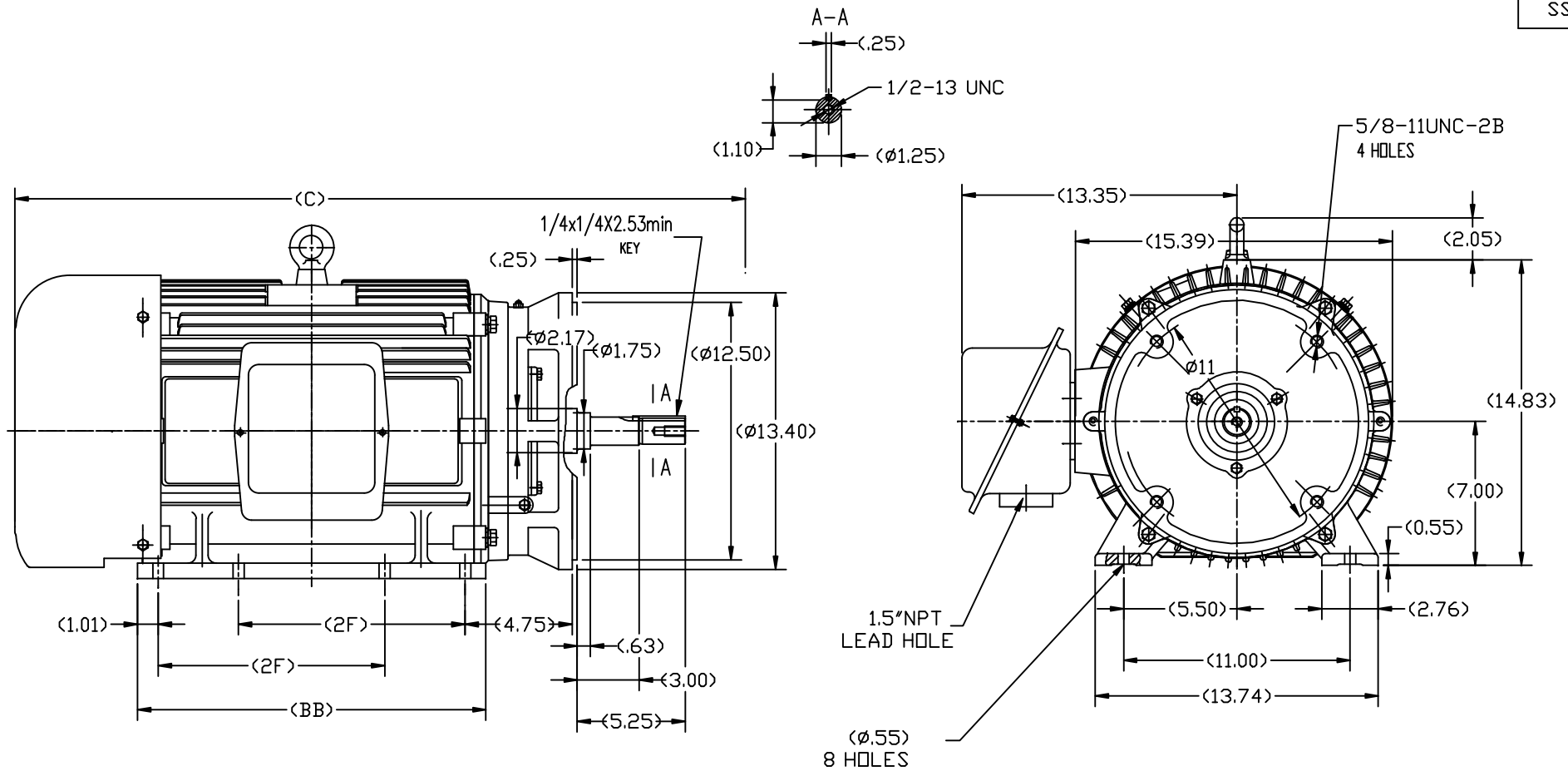
Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	230/460 & 190/380 V
Speed	3560 & 2963 rpm	Service Factor	1.15 & 1.15
Frame	286JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	66/33 & 68/34 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6211	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

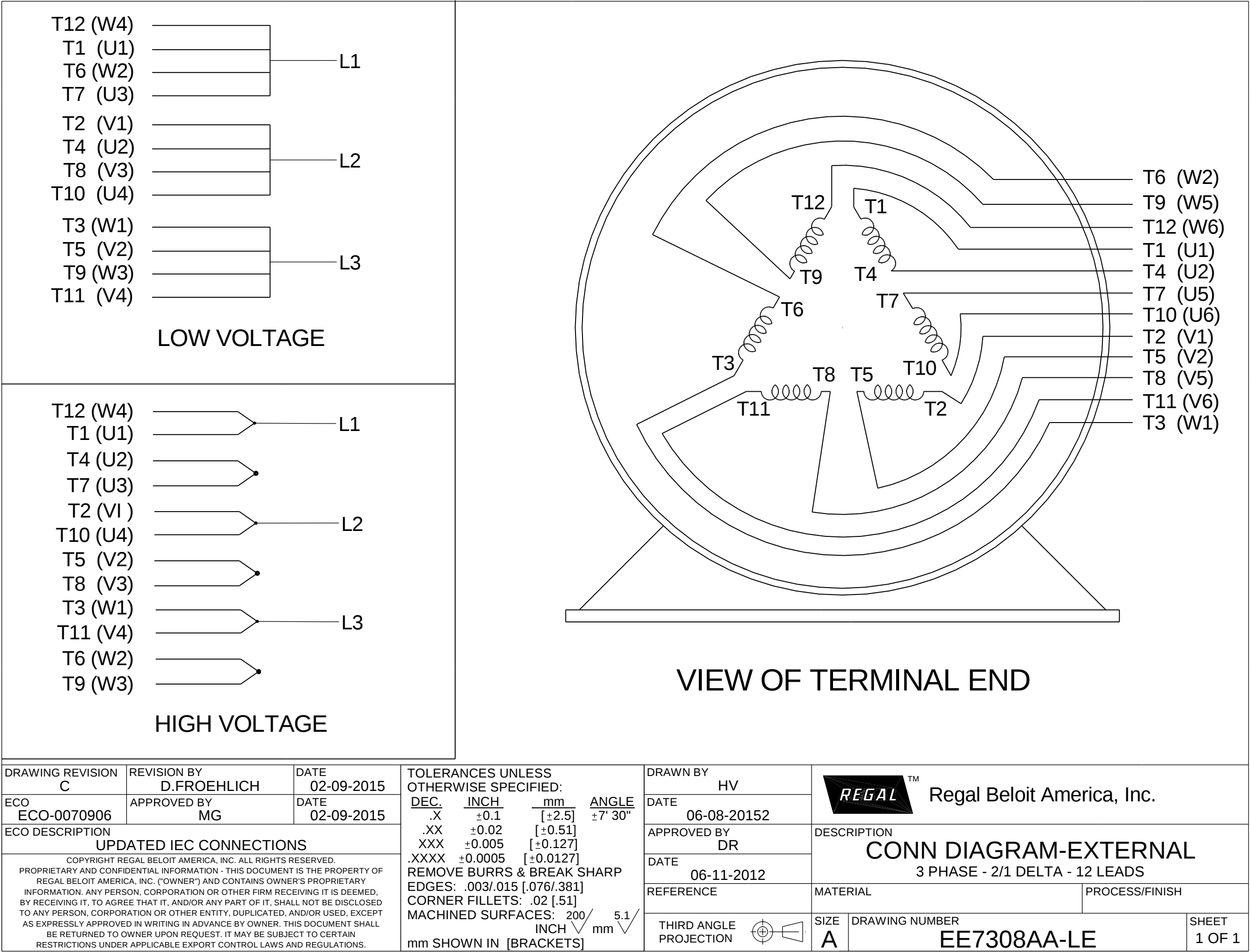
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.25 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620565-286TC	Connection Drawing	EE7308AA-LE

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284TC	30.92	15.75	9.50
286TC	32.1	16.93	11.00
FRAME	C	BB	2F

TOLERANCES UNLESS SPECIFIED		DEC. INCHES		REGAL-BELOIT CORPORATION		DRAWN Lee 05-16-2012	
.X	±.1	.XX	±.03	TITLE OUTLINE TEFC-284/286JM FR-CAST IRON		CHK	HPH 05-16-2012
.XXX	±.005	.XXXX	±.0005			APPD	JGX 05-16-2012
.XXXX	±.0005	.XXXX	±.0005			SCALE	2=13
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	MAT'L	REF
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	SS620565	SIZE
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CERTIFICATION DATASHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199981.00

OUTLINE: SS620565

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT28620004 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30&25	22.4&18.7	3600	3560&2963	286JM	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	66/33&68/34	Y START D RUN OR INV	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	91.7&91.7	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	91.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	90&88	3/4 LOAD PF:	88	1/2 LOAD PF:	82	91.7	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44 LB-FT	420 / 210	78 LB-FT 177 %	110 LB-FT 250 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	3 LB-FT^2	35 LB-FT^2	20 SEC.	2	500 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
6211	6211						

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

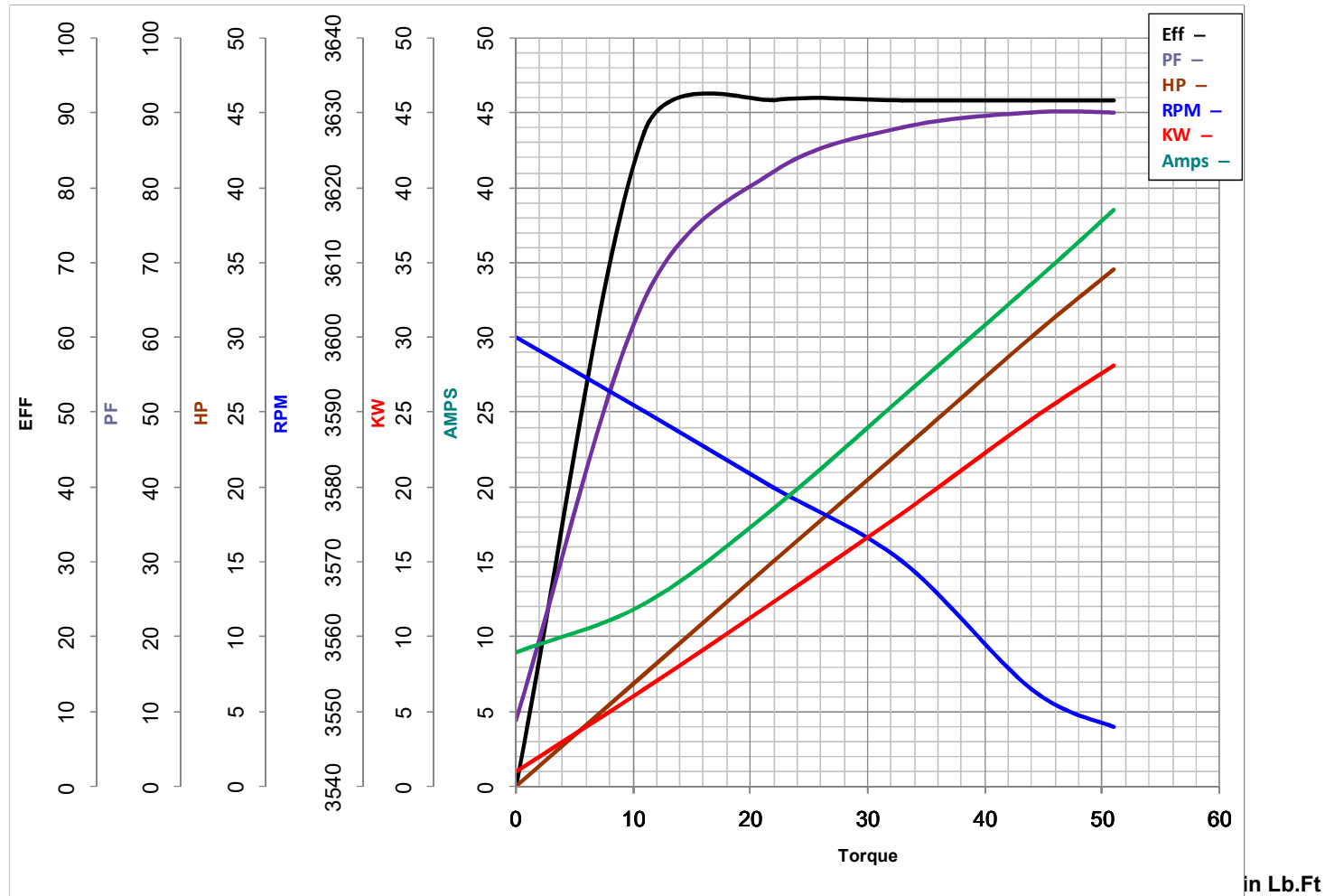
NONE NONE

FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199981.00Curve at 460
60
30Volts
HZ
HPHP 30&25PHASE 3VOLTS 230/460&190/380Catalog No 199981.00HZ 60&50RPM 3560&2963

FL TORQUE 44 Lb.Ft
 BD TORQUE 110.0 Lb.Ft
 LR TORQUE 78 Lb.Ft

FL AMPS 66/33
 PU TORQUE 66.0 Lb.Ft
 LR AMPS 210

WINDING CHT28620004-4

Date 10/29/2018