

PRODUCT INFORMATION PACKET



Model No: 199982.00

Catalog No: 199982.00

Ultimate e™ General Purpose Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286JM Frame, TEFC



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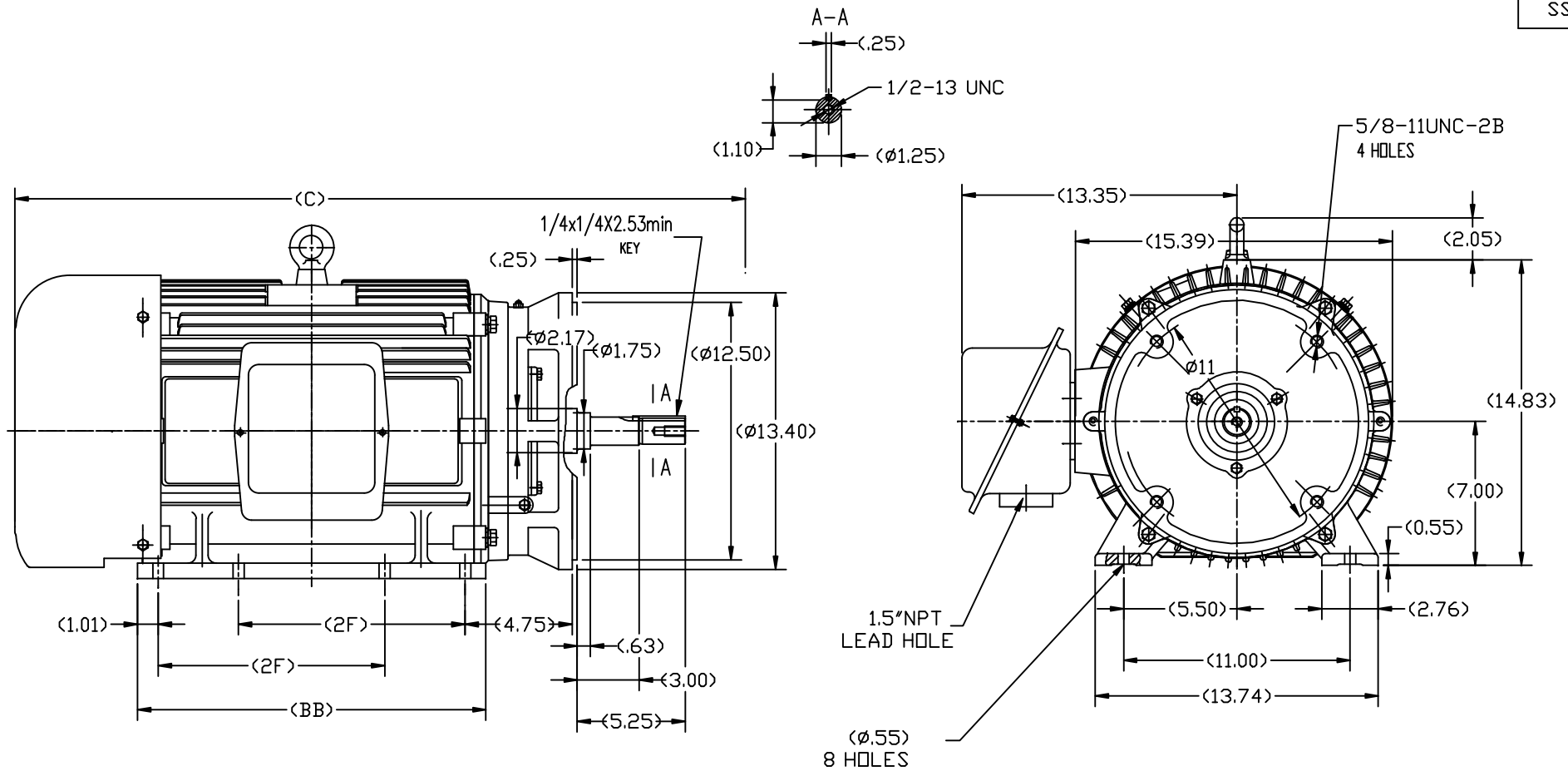
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	73.0/36.5 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	286JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6202
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

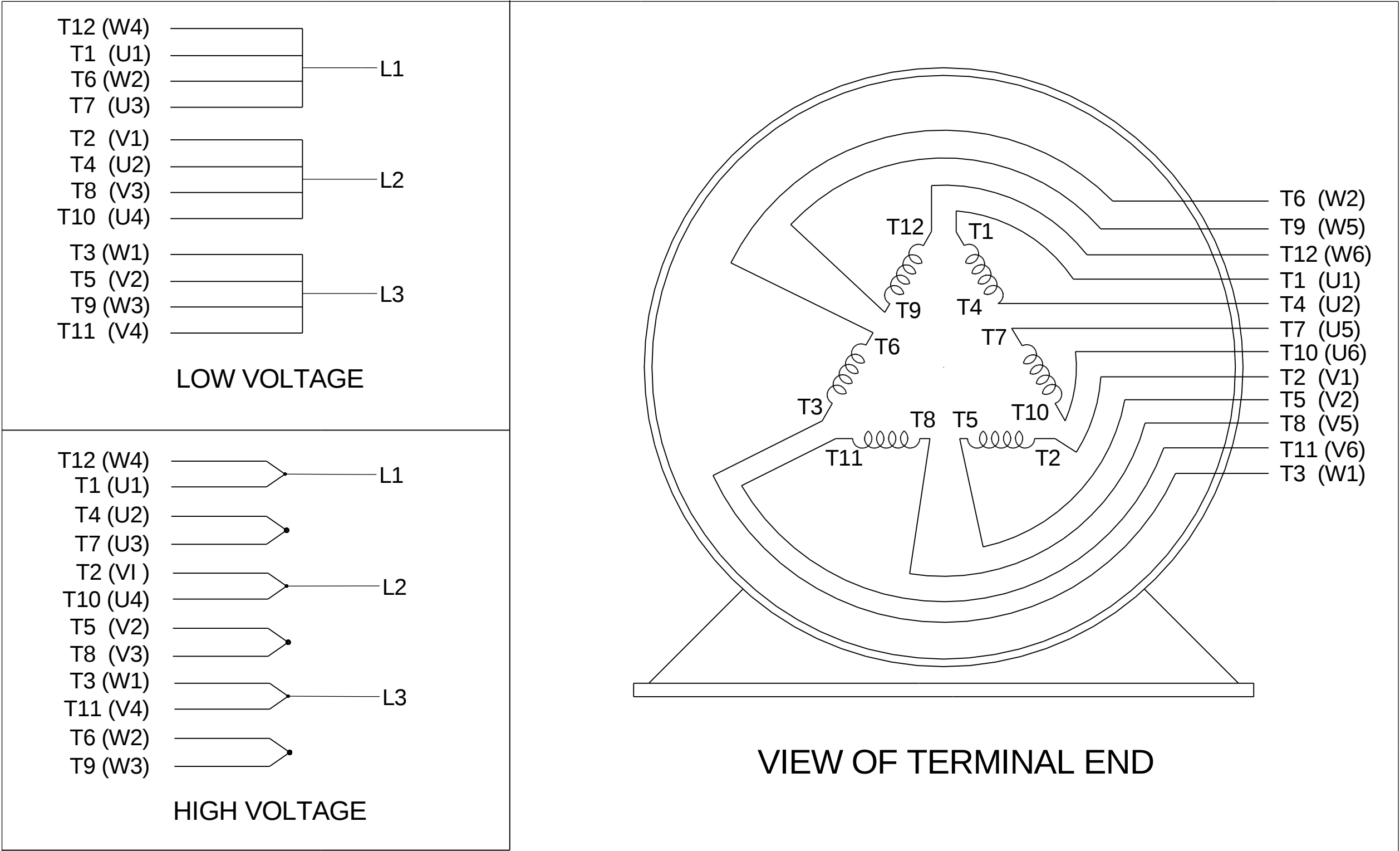
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.215 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7308AA-LE	Outline Drawing	SS620565-286TC

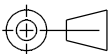
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284TC	30.92	15.75	9.50
286TC	32.1	16.93	11.00
FRAME	C	BB	2F

TOLERANCES UNLESS SPECIFIED				DRAWN Lee 05-16-2012	
DEC.	INCHES			CHK	HPH 05-16-2012
.X	±.1			APPD	JGX 05-16-2012
.XX	±.03			SCALE	2=13
.XXX	±.005			REF	
.XXXX	±.0005			FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/2
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				DIST	
				CAD FILE	SS620565
				SIZE	DRAWING NO.
				B	SS620565
				REV.	



DRAWING REVISION C	REVISION BY D.FROEHLICH	DATE 02-09-2015	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 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 200 INCH ✓ mm ✓ mm SHOWN IN [BRACKETS]	DRAWN BY HV	REGAL™ Regal Beloit America, Inc.			
ECO ECO-0070906	APPROVED BY MG	DATE 02-09-2015		DATE 06-08-20152				
ECO DESCRIPTION UPDATED IEC CONNECTIONS				APPROVED BY DR	DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - 2/1 DELTA - 12 LEADS			
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				REFERENCE				
			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 #: 199982.00

OUTLINE: SS620565

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT28640003 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30&25	22.4&18.7	1800	1775&1475	286JM	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	73/36.5&74/37	Y START D RUN OR INV	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	93.6&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	82&82	3/4 LOAD PF:	77	1/2 LOAD PF:	68	93		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
88.5 LB-FT	430 / 215	170 LB-FT 192 %	212 LB-FT 240 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	5.7 LB-FT^2	225 LB-FT^2	20 SEC.	2	600 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
6311	6202						

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

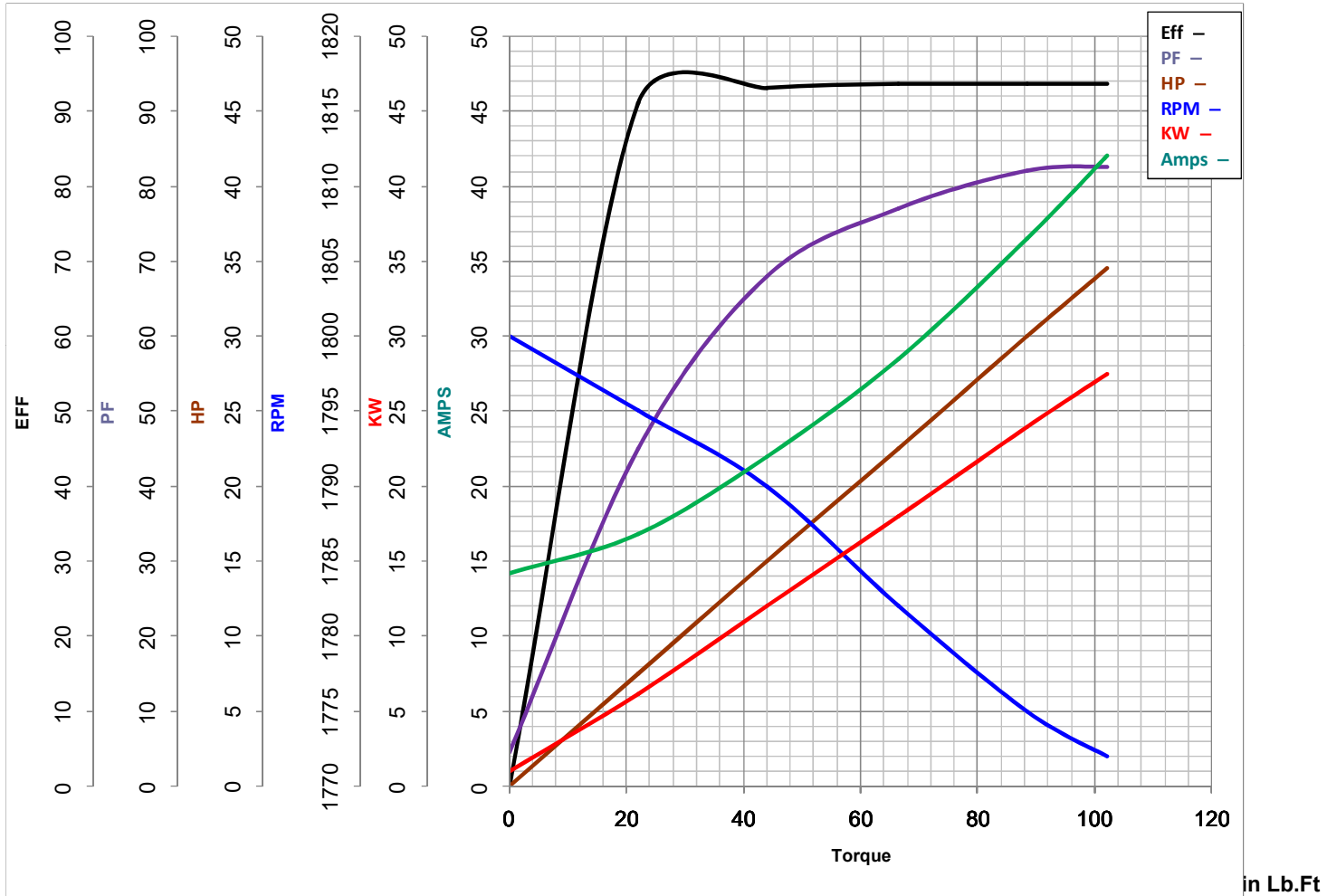
NONE NONE

FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199982.00Curve at 460
60
30Volts
HZ
HPHP 30&25PHASE 3VOLTS 230/460&190/380Catalog No 199982.00HZ 60&50RPM 1775&1475

FL TORQUE 88.5 Lb.Ft
 BD TORQUE 212.0 Lb.Ft
 LR TORQUE 170 Lb.Ft

FL AMPS 73/36.5
 PU TORQUE 160.0 Lb.Ft
 LR AMPS 215

WINDING CHT28640003-1

Date 10/29/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 199982.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 199982.00

Rework No : N/A

Directives :

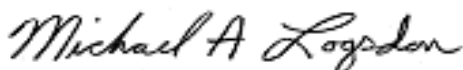
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

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