

PRODUCT INFORMATION PACKET



Model No: 199068.00

Catalog No: 199068.00

Obsolete Replaced by B199068.00..40HP..1800RPM.324TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID-C
.....GENERAL PURPOSE.....



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Nameplate Specifications

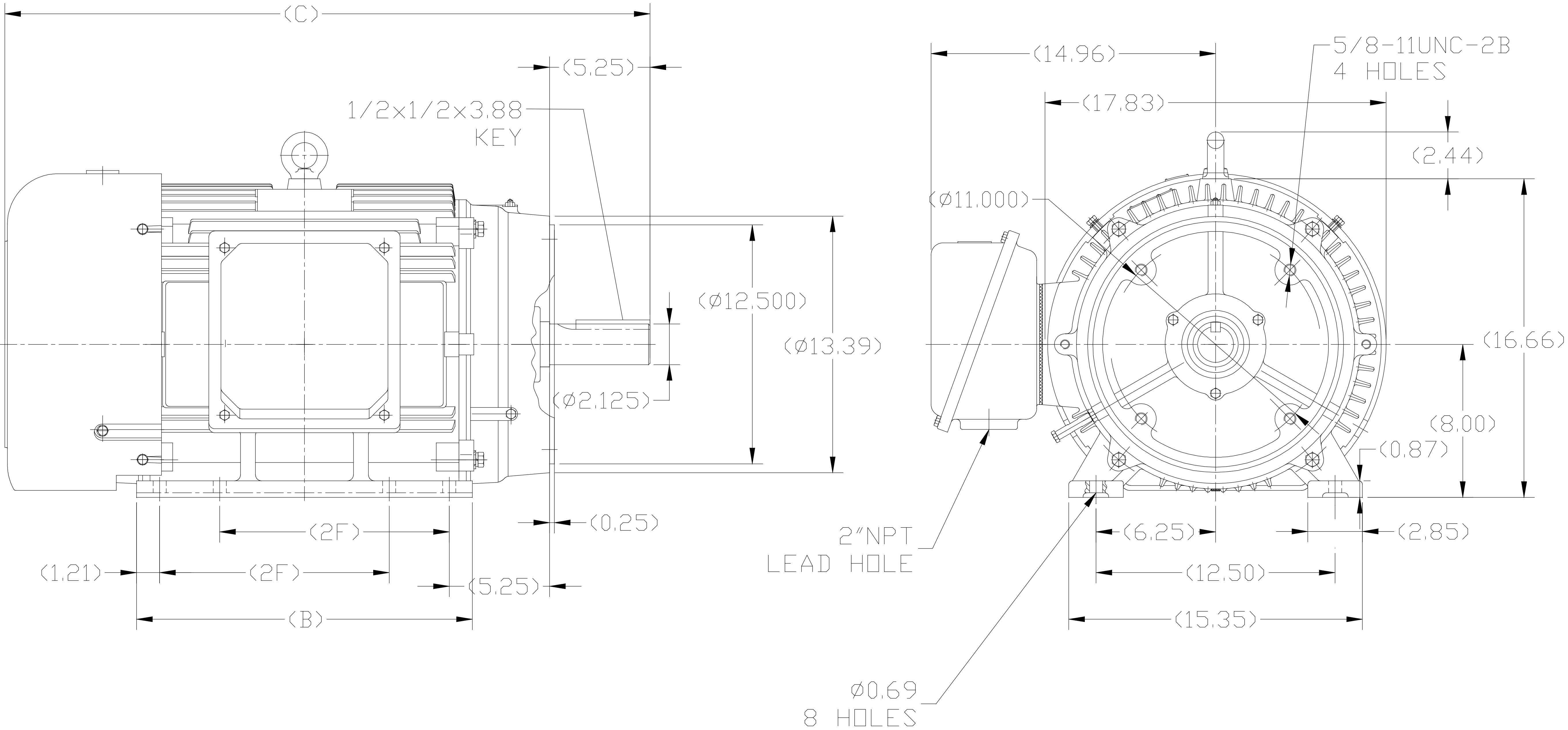
Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.0
Frame	324TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	94/47 & 87/43.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.1368 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 10:1		
Outline Drawing	SS620300-324TC	Connection Drawing	A-EE7308AA-LE

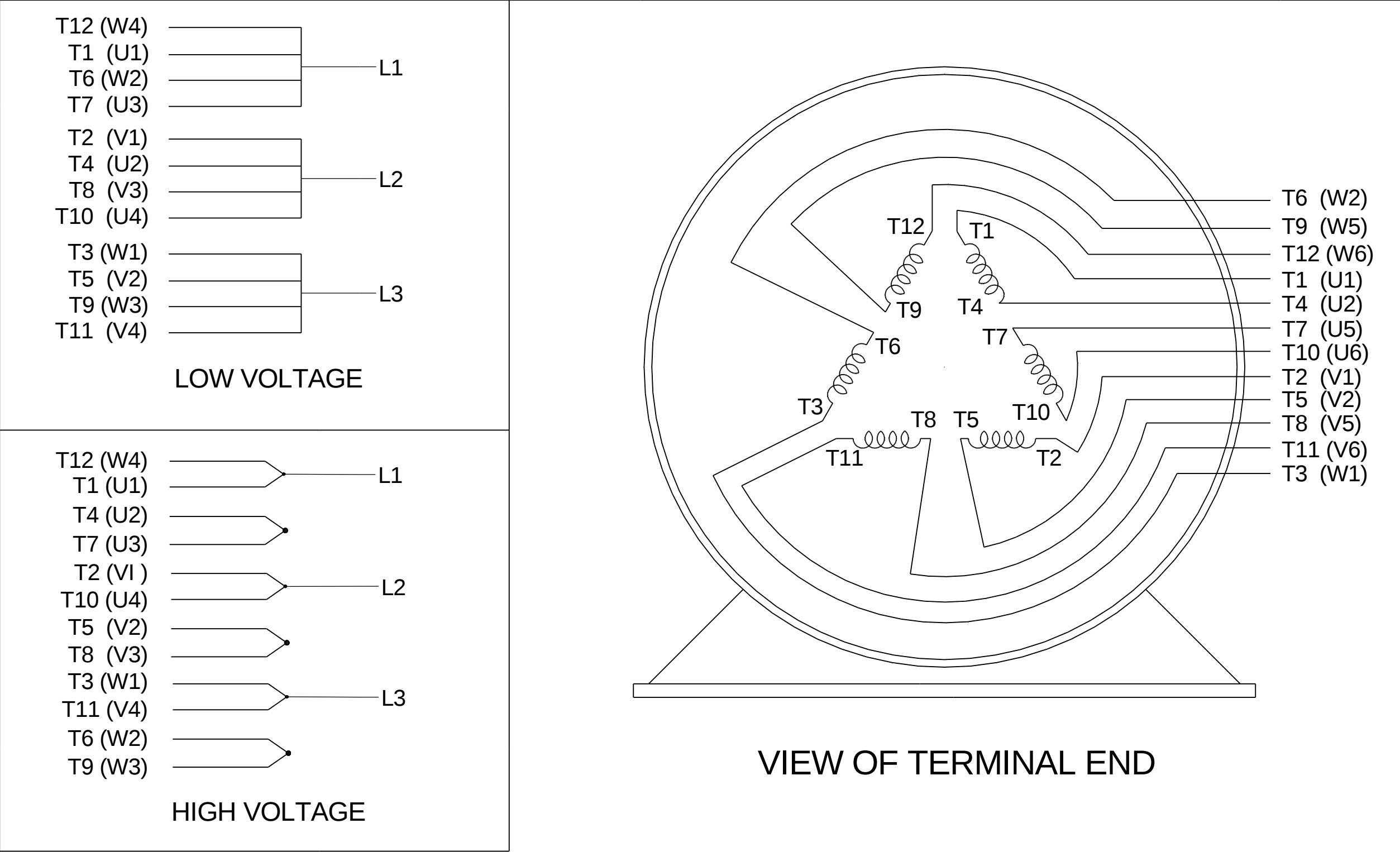
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SS620300



324TC	32.68	16.38	10.50
326TC	33.86	17.56	12.00
FRAME	C	B	2F

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN SY 4-21-2010		
				DEC.	INCHES			CHK HZJ 4-21-2010		
				.X	±.1			APPD CL 4-21-2010		
				.XX	±.03			SCALE 1=7		
				.XXX	±.005	TITLE 324/326TC OUTLINE FR-TEFC-CAST IRON		REF		
E	FRAME SIZE- 324TC WAS 342TC ECD-0124804		WGJ 7/22/17	EMH .XXXX	±.0005			MAT'L.		FMF HWADA
NO.	REVISION		BY & DATE	CHK	ANG	±1/2	FINISH		PREV	
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 SS620300		SIZE B	DRAWING NO. SS620300	REV. E
				DIST						



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	SIZE A		DRAWING NUMBER EE7308AA-LE
				THIRD ANGLE PROJECTION				



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308AA-LE

CATALOG #: 199068.00

OUTLINE: B-SS620300

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32440001 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30.0&22.4	1800	1780&1480	324TC	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	94/47&87/43.5	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	94.1&94.1	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83&82.5	3/4 LOAD PF:	80	1/2 LOAD PF:	72.5	93.6	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
118 LB-FT	550 / 275	195 LB-FT 165 %	318 LB-FT 270 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	11.2 LB-FT^2	- LB-FT^2	20 SEC.	2	695 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 (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	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 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

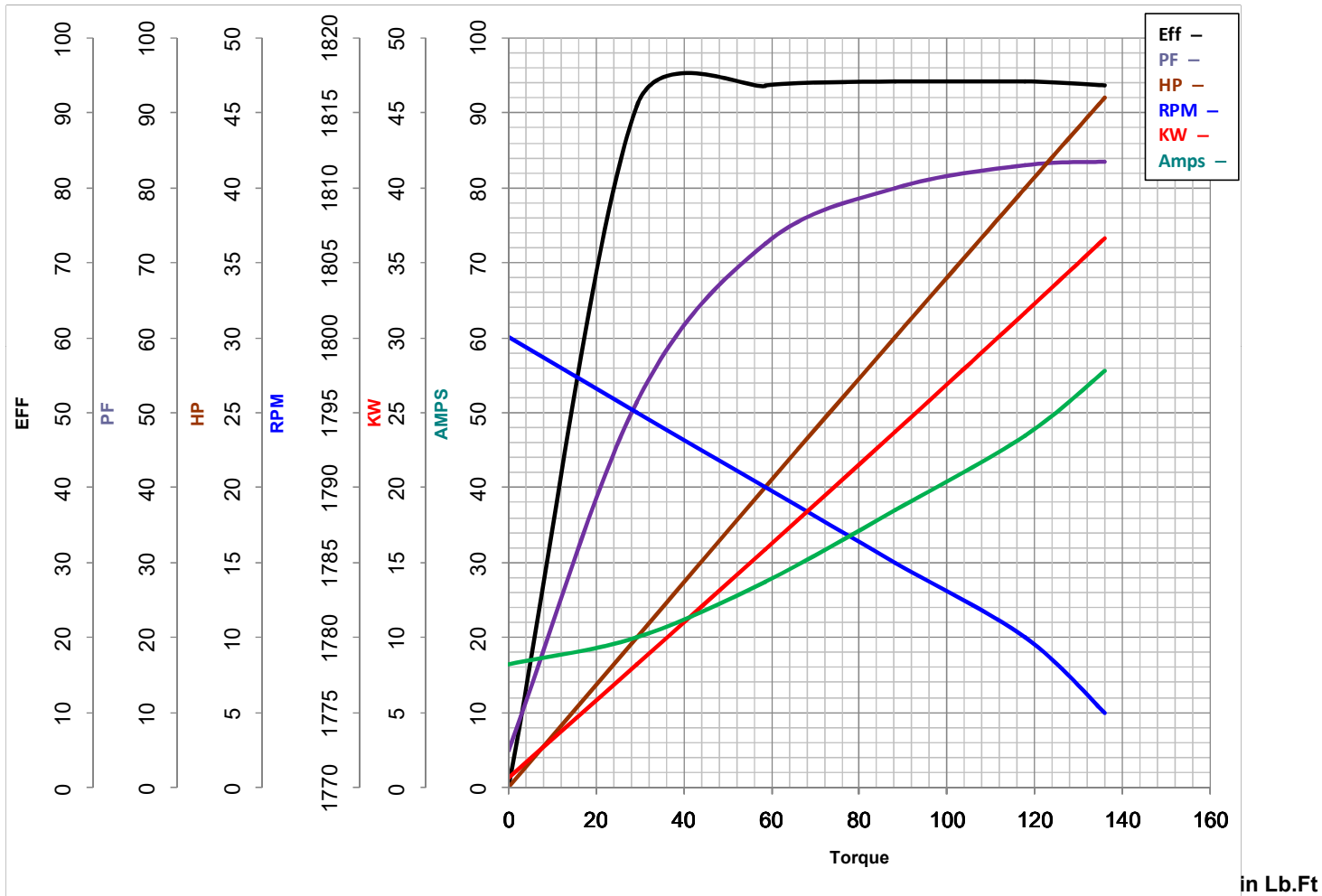
NONE NONE

NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199068.00Curve at 460
60
40Volts
HZ
HPHP 40&30PHASE 3VOLTS 230/460&190/380Catalog No 199068.00HZ 60&50RPM 1780&1480

FL TORQUE 118 Lb.Ft
 BD TORQUE 318.0 Lb.Ft
 LR TORQUE 195 Lb.Ft

FL AMPS 94/47
 PU TORQUE 200.0 Lb.Ft
 LR AMPS 275

WINDING CHT32440001-1

Date 12/13/2018