

PRODUCT INFORMATION PACKET



Model No: 199023.00

Catalog No: 199023.00

Obsolete Replaced by B199023.00..25HP..1200RPM.324T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID...
...GENERAL PURPOSE.....



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Nameplate Specifications

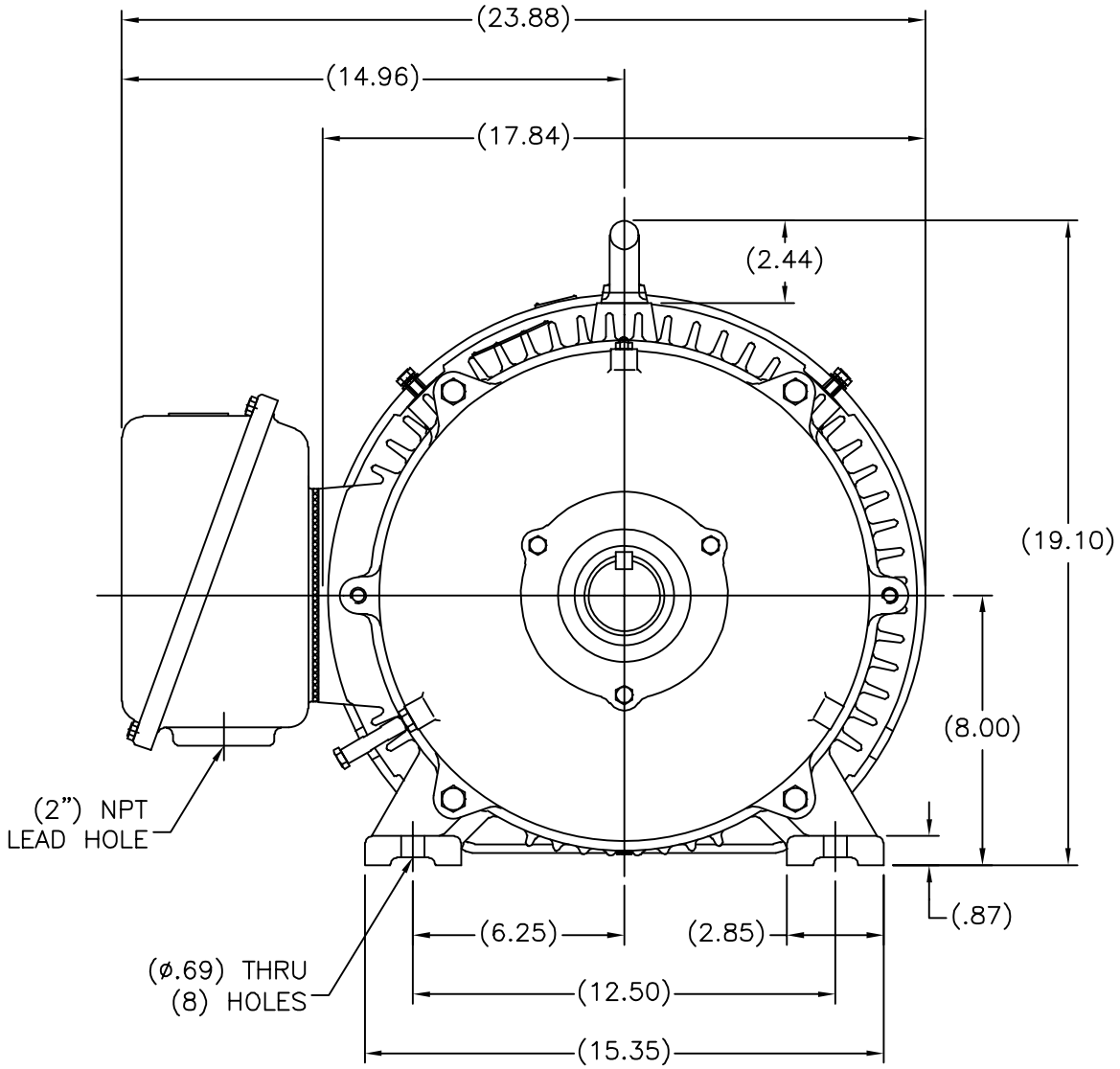
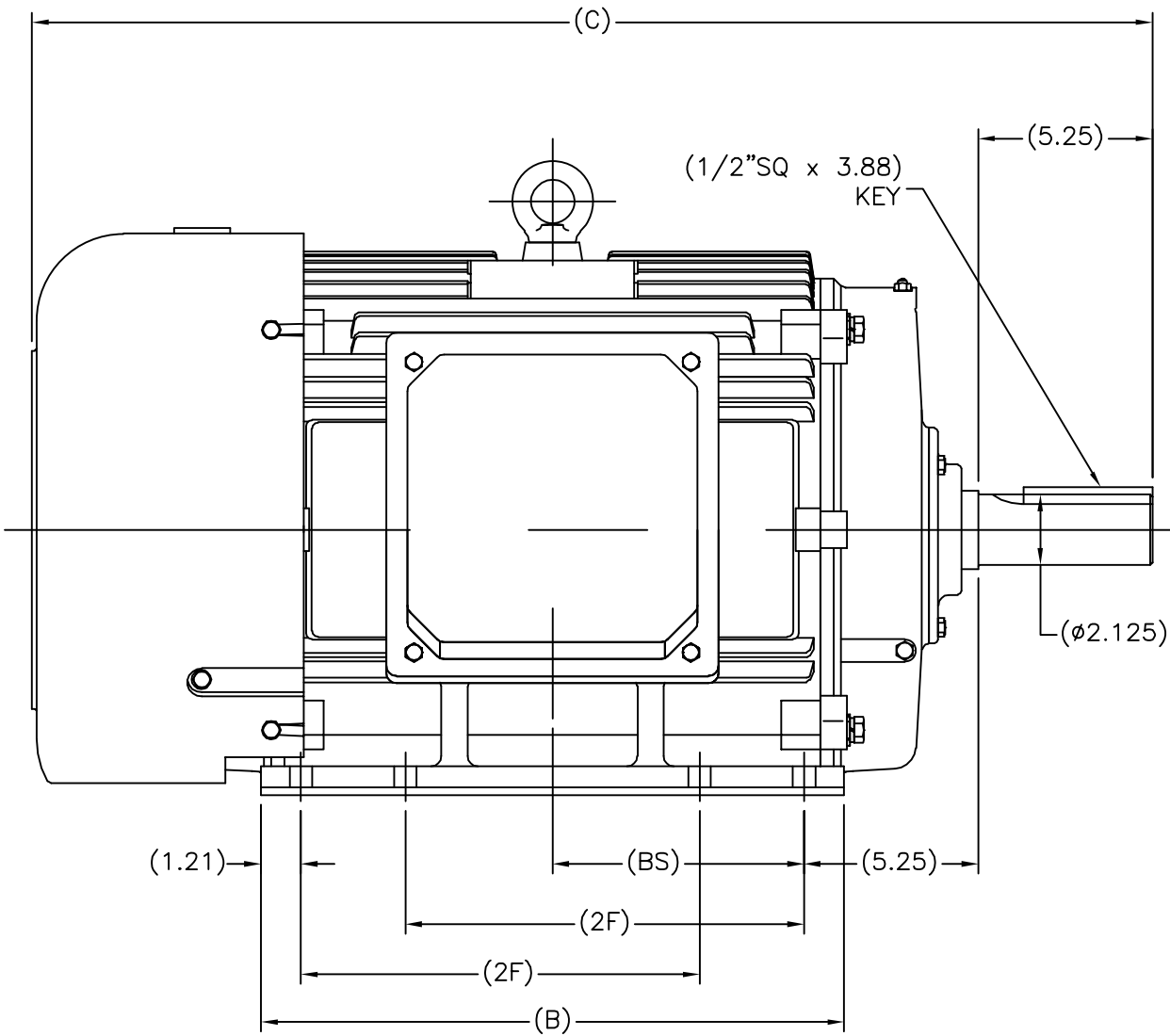
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	1188 & 990 rpm	Service Factor	1.15 & 1.15
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	66/33 & 64/32 A	Power Factor	75
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	6	Rotation	Reversible
Resistance Main	.255 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 20:1		
Outline Drawing	SS620247	Connection Drawing	EE7308AA-LE

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SS620247

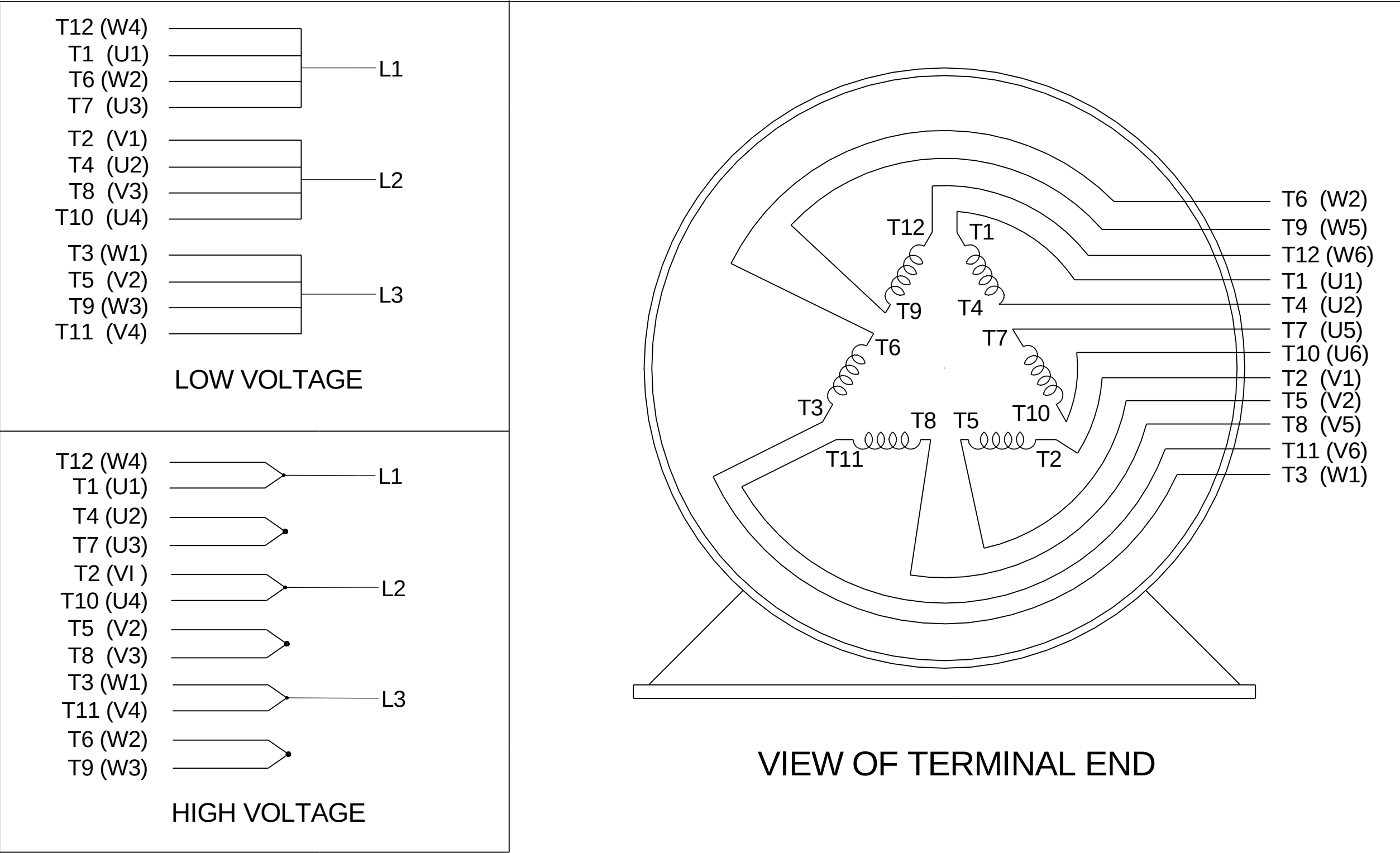


(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)

324T	32.68	16.37	10.50	6.98
326T	33.86	17.56	12.00	7.57
FRAME	C	B	2F	BS

		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN MSG 01-12-2010	
		DEC.	INCHES			CHK	MJS 01-13-2010
		.X	±.1			APPD	SB 01-13-2010
		.XX	±.03		TITLE OUTLINE		SCALE 7=32
		.XXX	±.005		320T FR. - TEFC		REF
1	ADDED 'BS' DIM. PER. ECO-0048910	RFH 04/07/2014	EH .XXXX ±.0005		MAT'L.	FMF	HUADA
NO.	REVISION	BY & DATE	CHK	ANG ±7'30"	FINISH	PREV	
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			DIST				REV. 1



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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					THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308AA-LE



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199023.00

OUTLINE: SS620247

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32460001 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	1200	1188&990	324T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	66/33&64/32	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	93&92.4	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	75&75.5	3/4 LOAD PF:	69	1/2 LOAD PF:	58	92.4		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
111 LB-FT	360 / 180	205 LB-FT 185 %	300 LB-FT 270 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	11.8 LB-FT^2	- LB-FT^2	20 SEC.	2	725 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	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 20:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

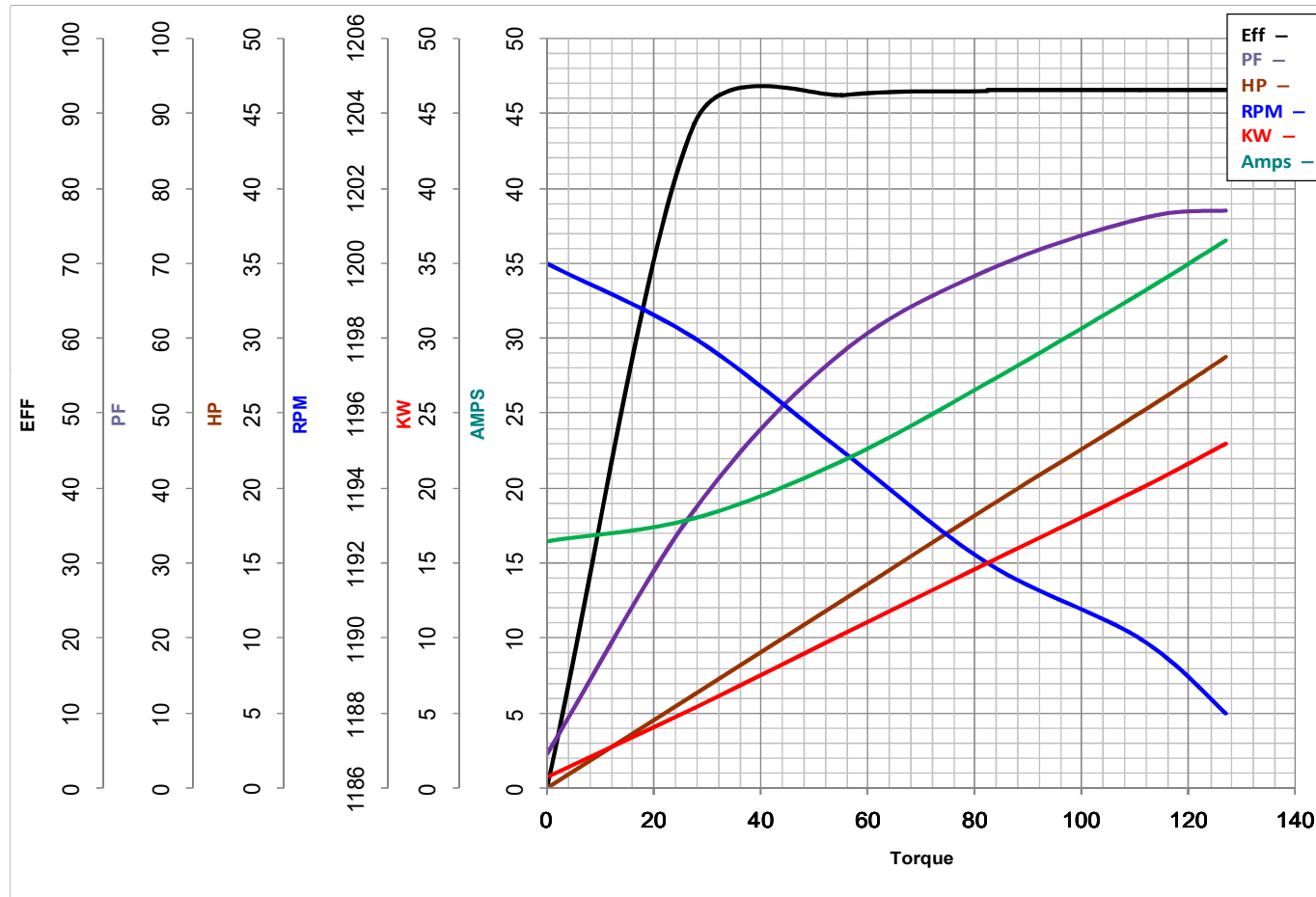
NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

Model No 199023.00Catalog No 199023.00
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 460
60
25

 Volts
 HZ
 HP
HP 25&20PHASE 3VOLTS 230/460&190/380HZ 60&50RPM 1188&990

Torque in Lb.Ft

 FL TORQUE 111 Lb.Ft
 BD TORQUE 300.0 Lb.Ft
 LR TORQUE 205 Lb.Ft

 FL AMPS 66/33
 PU TORQUE 186.0 Lb.Ft
 LR AMPS 180

WINDING CHT32460001-1

Date 12/13/2018