

PRODUCT INFORMATION PACKET



Model No: B199020.00

Catalog No: B199020.00

Ultimate e™ General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1200 & 1000 RPM, 286T Frame, TEFC



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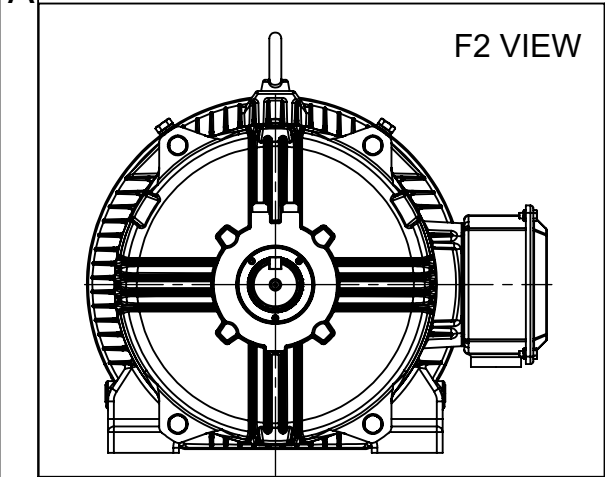
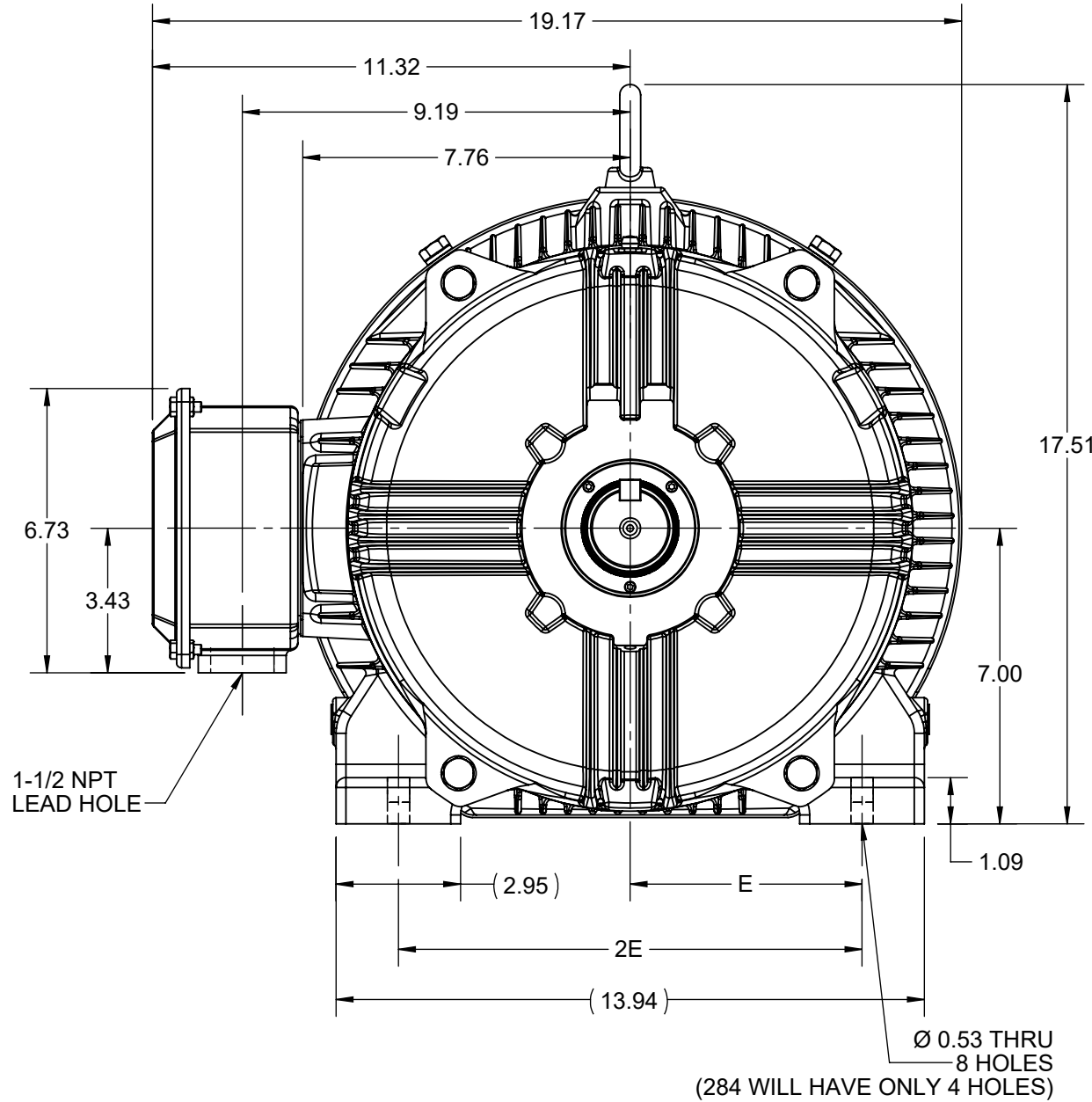
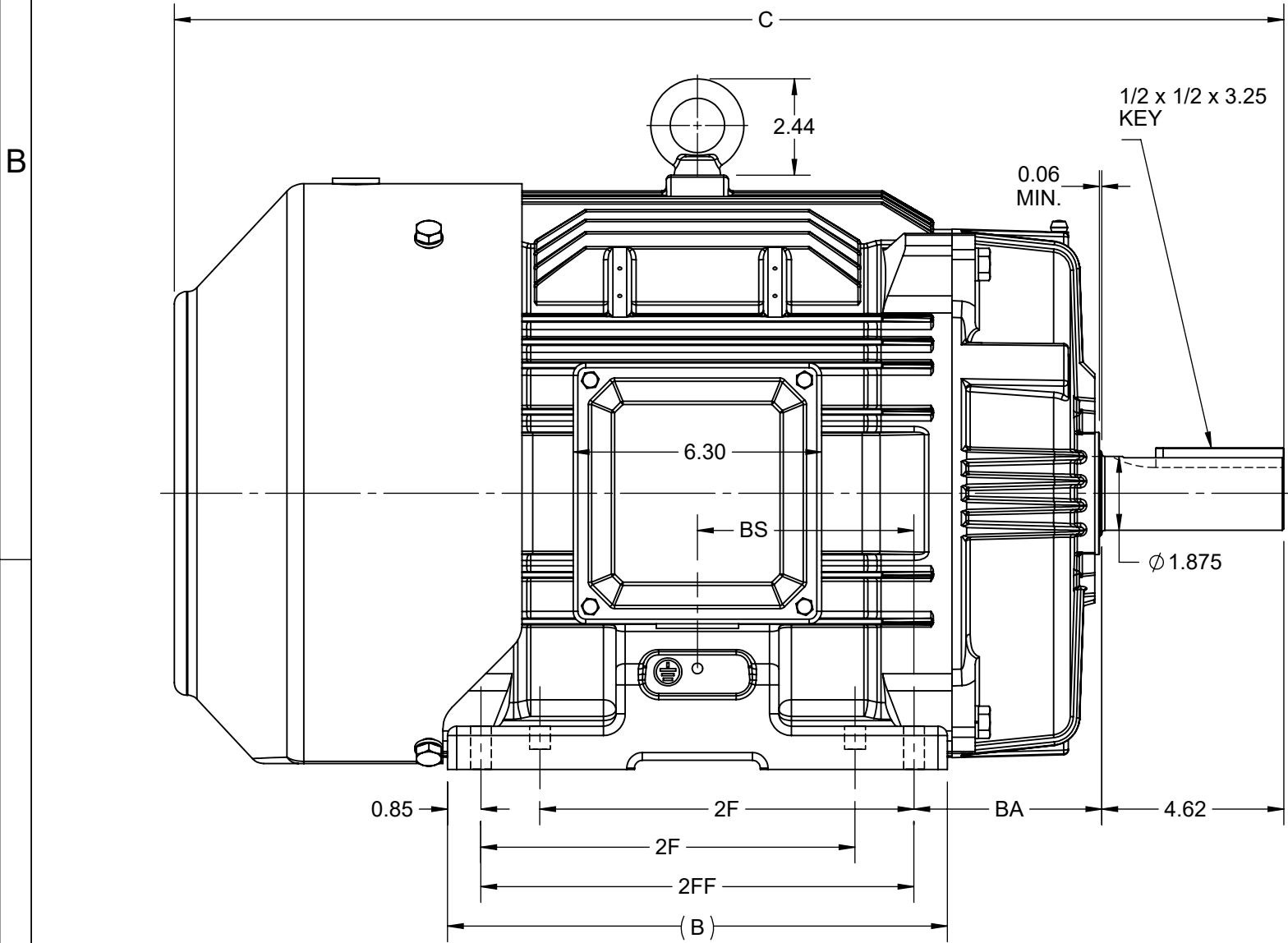
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1180 & 982 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	52/26 & 49/24.5 A	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Listed	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.5617 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	28.14 in
Frame Length	10.98 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7308AA	Outline Drawing	SS620704-286

4				3						2	1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	10.83	26.64	5.50	11.00	---	9.50	4.75	4.75	F1 OR F2	284T	
200	12.68	28.14			9.50	11.00		5.50		284/286T	



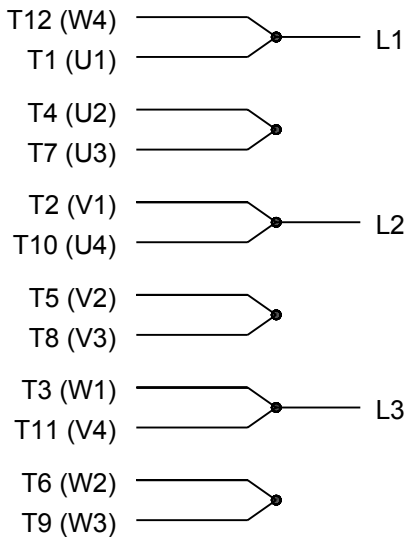
DRAWING REVISION C	REVISION BY VS	REV DATE/© DATE 27-10-2020
ECO CR-0000305	APPROVED BY GNK	DATE 27-10-2020
DRAWING UPDATED		
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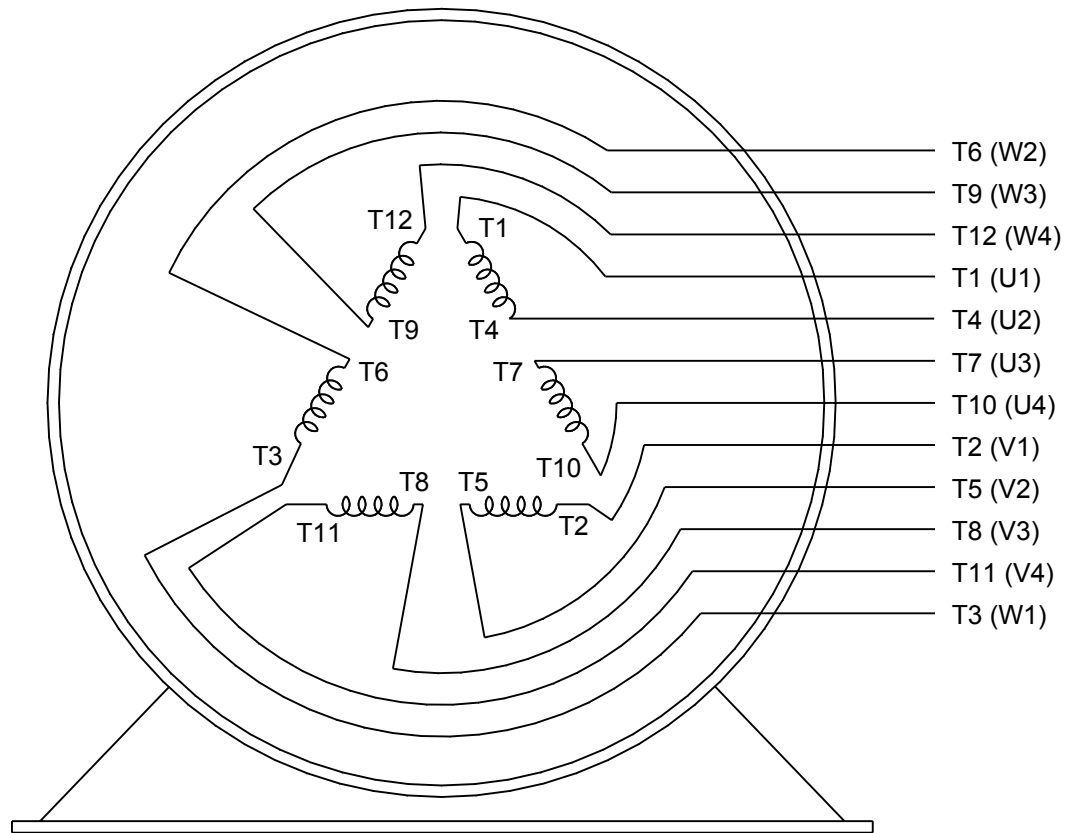
DRAWN BY MR	 Regal Beloit America, Inc.	
DATE 4/5/2015		
APPROVED BY KRK	DESCRIPTION OUTLINE 284/286T FR-TEFC-CAST IRON	
DATE 4/5/2015		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS620704
		SHEET 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

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

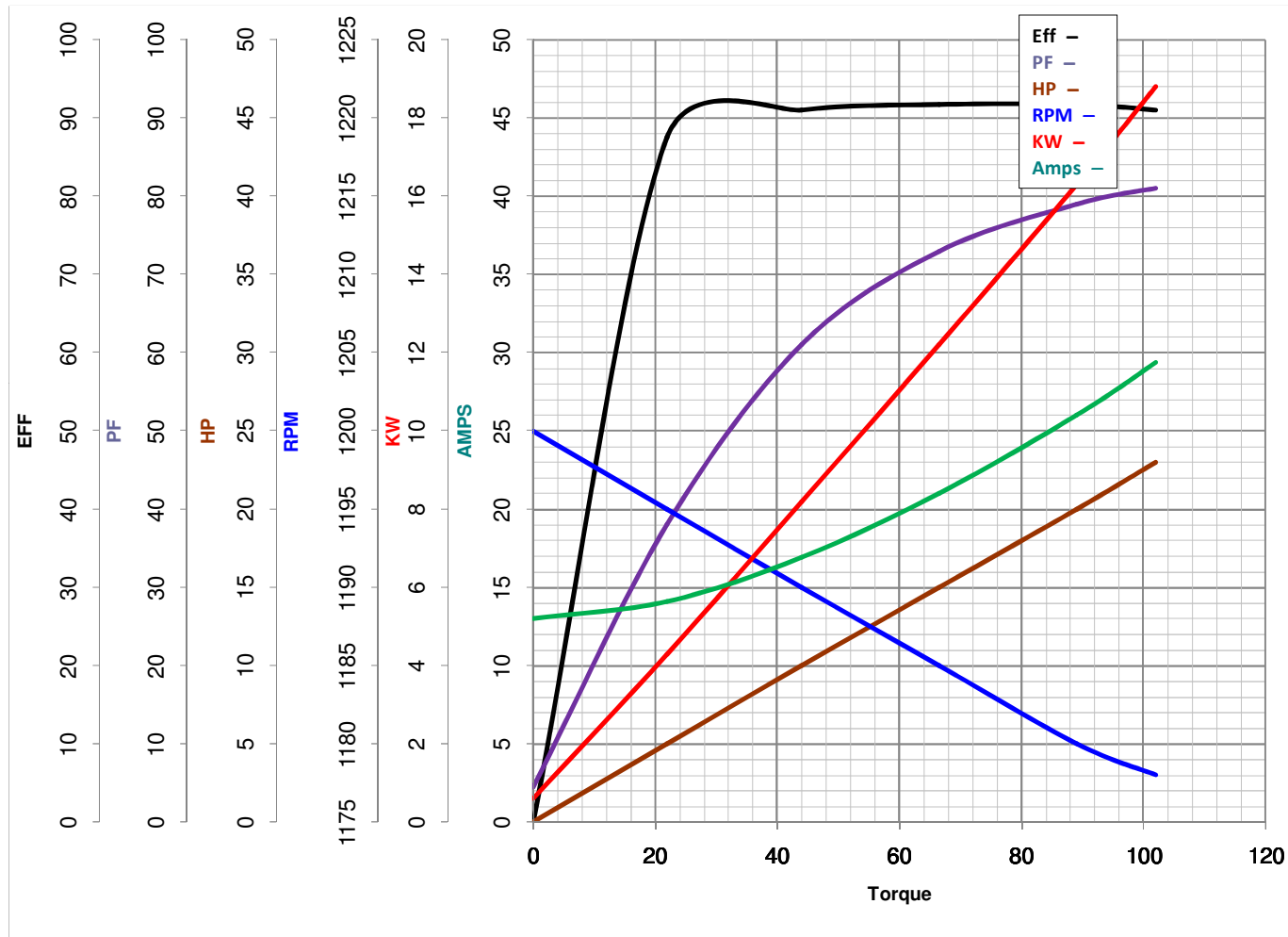
Model No B199020.00Catalog No B199020.00

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at

460
60
20

Volts
HZ
HP
HP 20&15PHASE 3VOLTS 230/460&190/380HZ 60&50RPM 1180&982

Torque in Lb.Ft

FL TORQUE 89 Lb.Ft
 BD TORQUE 199.0 Lb.Ft
 LR TORQUE 152 Lb.Ft
 WINDING HE31806005-2

FL AMPS 52/26
 PU TORQUE 128.0 Lb.Ft
 LR AMPS 145
 Date 5/22/2018