

PRODUCT INFORMATION PACKET

Model No: 286UTFPA8026

Catalog No: P344

Automotive Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 286U Frame, TEFC

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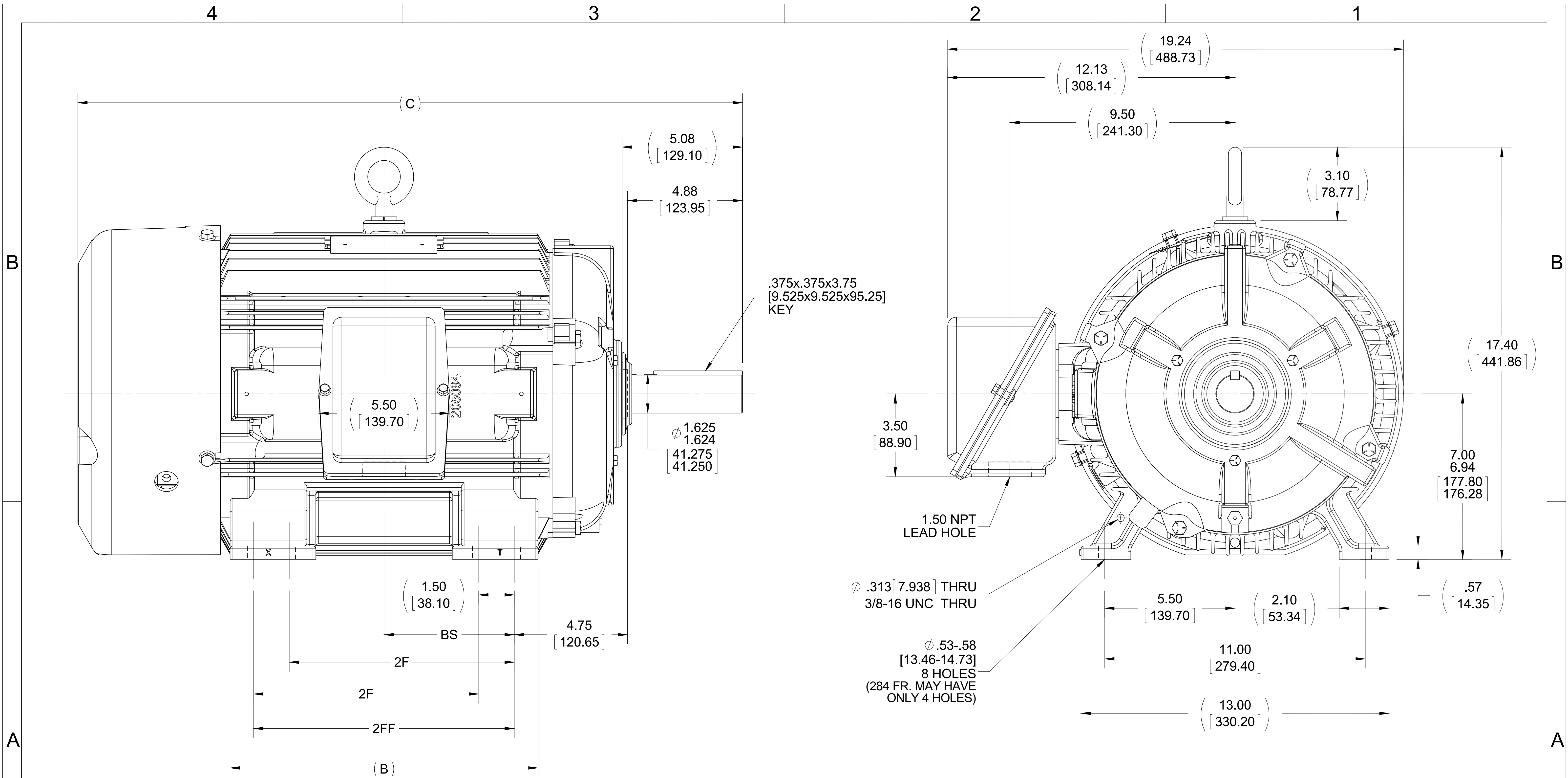


Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	460 V
Current	24.1 A	Speed	1775 rpm
Service Factor	1	Phase	3
Efficiency	91 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	286U	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	65 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.474 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	U	Overall Length	28.06 in
Frame Length	14.25 in	Shaft Diameter	1.625 in
Shaft Extension	5.08 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS311055-1425	Connection Drawing	A-EE7300T



- NOTES:
- CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 - CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 - NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	2F	2FF	BS
1275	284U	26.56 [674.62]	11.50 [292.10]	9.50 [241.30]	---	4.75 [120.65]
1425	284/286U	28.06 [712.72]	13.00 [330.20]	9.50 [241.30]	11.00 [279.40]	5.50 [139.70]

DRAWING REVISION E	REVISION BY LPC	DATE 08-20-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED:			DRAWN BY KL	 Regal Beloit America, Inc.		
ECO ECO-0083624	APPROVED BY TVUE	DATE 08-20-2015	DEC .X ±0.1 [±2.5]	INCH .XX ±0.03 [±0.76]	mm .XXX ±0.005 [±0.127]	DATE 04-12-2001			
ECO DESCRIPTION UPDATED TITLE BLOCK & TO CURRENT STD'S			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200 INCH 5.1 mm SHOWN IN [BRACKETS]			APPROVED BY JES	DESCRIPTION OUTLINE		
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						REFERENCE	MATERIAL		
							PROCESS/FINISH		
							SIZE B	DRAWING NUMBER SS311055	SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

DRAWING REVISION AB	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	 Regal Beloit America, Inc.	
DATE 01-04-1994		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR	
DATE 01-20-1994		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300T
		SHEET 1 OF 1