

# PRODUCT INFORMATION PACKET

Model No: 184UTTS4078

Catalog No: P417

Automotive Duty Motor, 1.50 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 184U Frame, TENV



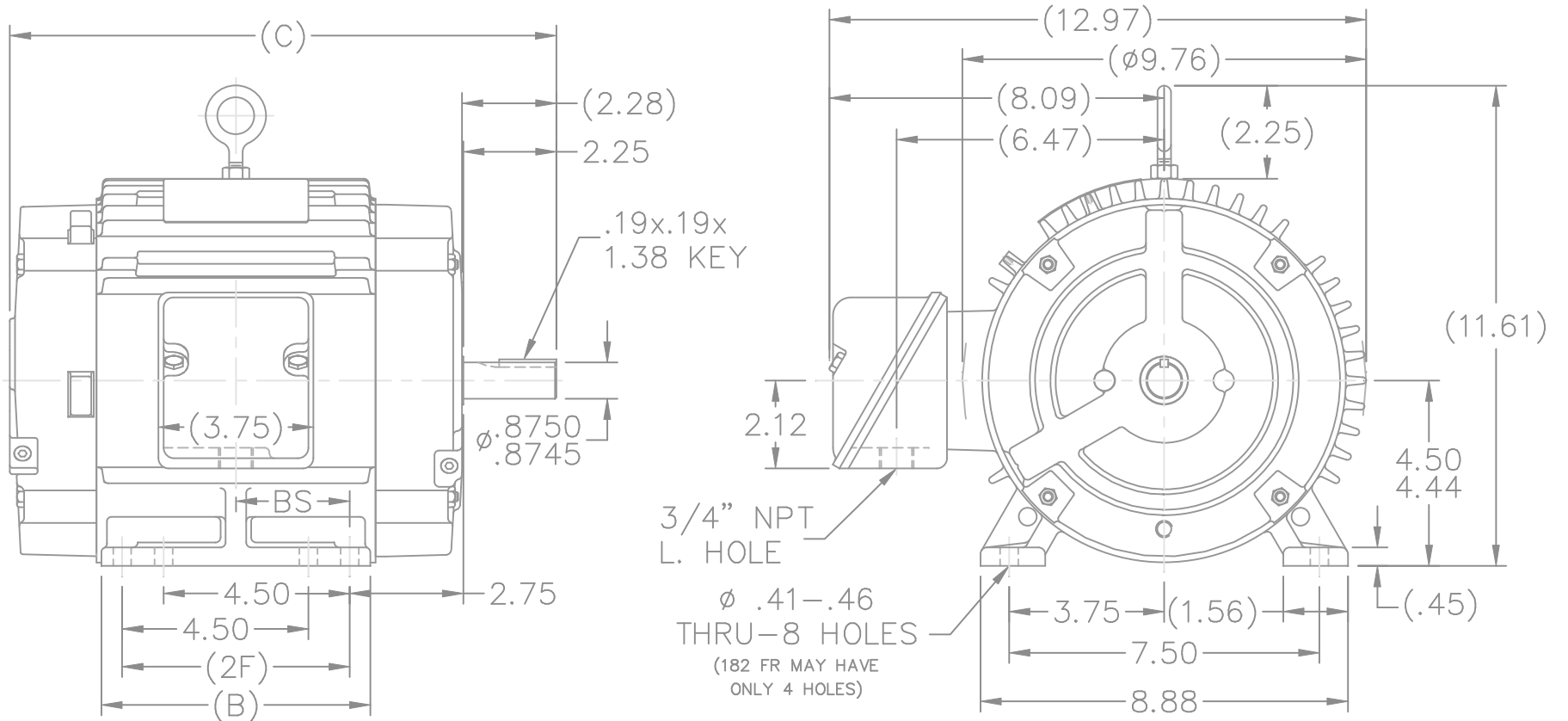
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### Nameplate Specifications

Output HP	<b>1.50 Hp</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>460 V</b>
Current	<b>2.2 A</b>	Speed	<b>1175 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>87.5 %</b>	Power Factor	<b>71.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>L</b>
Frame	<b>184U</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>65 °C</b>
Drive End Bearing Size	<b>6206</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>7.75 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>U</b>	Overall Length	<b>13.21 in</b>
Frame Length	<b>6.75 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.28 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>A-SS68737-675</b>	Connection Drawing	<b>A-EE7300</b>



NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	B	C	2F	BS
575	182TZ	5.50	12.21	4.50	2.25
675	184TZ	6.50	13.21	5.50	2.75

			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN MRB 10-22-1998				
			DEC.	INCHES		CHK	ML	10-26-1998		
			.X	±.1				APPD	GK	10-29-1998
3	REDRAWN IN AUTOCAD	TAT	05-19-2005	ML	.XX	±.03	TITLE OUTLINE - TENV		SCALE	1=4
2	REVISED TO CAST IRON COND. BOX MU36616	KL	04-23-2001		.XXX	±.005	180 TZ FR. - 140 FR. EXT. - CAST C' BOX		REF	
1	NEW DRAWING CN 26867	MRB	10-29-1998		.XXXX	±.0005	MAT'L.		FMF	
NO.	REVISION	BY & DATE		CHK	ANG	±'	30"	FINISH	PREV	
		RFP					CAD FILE	ss68737	SIZE	DRAWING NO. PAGE OF REV.
		DIST	LB				A	SS68737		3

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

TERMINAL BLOCK WHEN SPECIFIED

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS



VIEW OF TERMINAL END

**OPTIONAL CORD CONNECTION**

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022
REQUEST NUMBER DESCRIPTION DRAWING UPDATED		
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PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

		Regal Beloit America, Inc.	
DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR			
MATERIAL		PROCESS/FINISH	
SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>		SHEET 1 OF 1



Data Sheet

Date: 1/4/2019  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



184UTTS4078

**Submittal**  
 Data @ 460 V

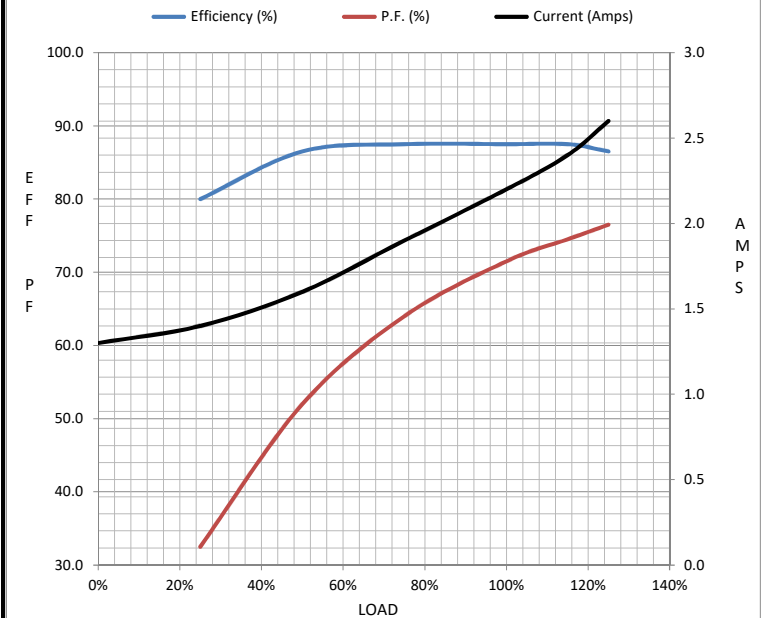
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.30	1.40	1.60	1.90	2.20	2.40	2.60	17.0
Torque (ft-lb)	0.00	1.70	3.4	5.2	6.8	7.8	8.5	13.4
RPM	1200	1195	1188	1182	1175	1,172	1168	0
Efficiency (%)		80.0	86.5	87.5	87.5	87.5	86.5	
P.F. (%)	6.0	32.5	52.0	64.0	71.5	74.5	76.5	45.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1050	1175	1200
Current (Amps)	17.0	15.0	8.2	2.20	1.30
Torque (ft-lb)	13.4	11.8	24.4	6.8	0.00

Information Block				
HP	1.5			
Sync. RPM	1200			
Frame	184			
Enclosure	TENV			
Construction	TTS			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk <sup>2</sup>	0.38 Lb-Ft <sup>2</sup>			
Ref Wdg	K182644 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS68737-675			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.3200	0.7140	3.0040	3.3720	44.6990



Speed - Torque Curve

