

# PRODUCT INFORMATION PACKET

Model No: 405UTFS4086

Catalog No: P474

Automotive Duty Motor, 50 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 405U Frame, TEFC

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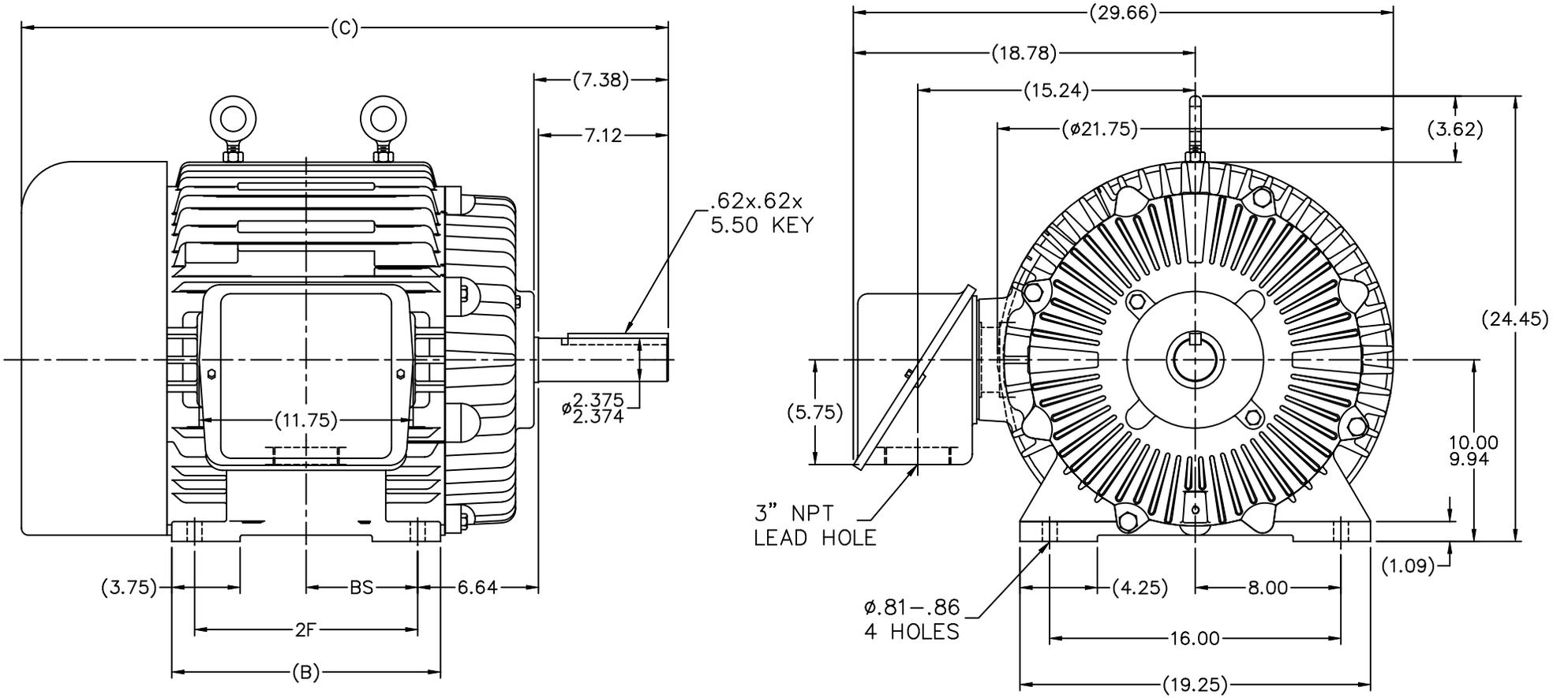
**Nameplate Specifications**

Output HP	<b>50 Hp</b>	Output KW	<b>37.3 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>460 V</b>
Current	<b>60.0 A</b>	Speed	<b>1185 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>94.1 %</b>	Power Factor	<b>84</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Frame	<b>405U</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>65 °C</b>
Drive End Bearing Size	<b>6316</b>	Opp Drive End Bearing Size	<b>6313</b>
UL	<b>No</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>.142 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>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>B-SS514649-1675</b>	Connection Drawing	<b>A-EE7300</b>

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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.

(B-SS504887)

DASH	FRAME	B	C	2F	BS
1525	404U	14.75	35.50	12.25	6.12
1675	405U	16.25	37.00	13.75	6.88

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DJK 11-15-1993	
		DEC.	INCHES			CHK	ML 11-16-1993
3	REDRAWN IN AUTOCAD	TAT	05-19-2005	ML	.X	±.1	APPD TB 11-16-1993
2	UPDATED FRAME, CONDUIT BOX, AND ADDED 405	KL	03-29-2001	.XX	±.03	TITLE OUTLINE	SCALE 3=16
	FRAME INFO. CN 27430, MU36657			.XXX	±.005	400U FR. - TEFC - TAPPED LEAD HOLE	REF
1	NEW DRAWING 4096513	DJK	11-17-1993	.XXXX	±.0005	MATL	FMF
NO.	REVISION	BY & DATE	CHK	ANG	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	±7°30"	CAD FILE ss514649	SIZE B	DRAWING NO. SS514649
			DIST	WA		PAGE 3	REV. 3

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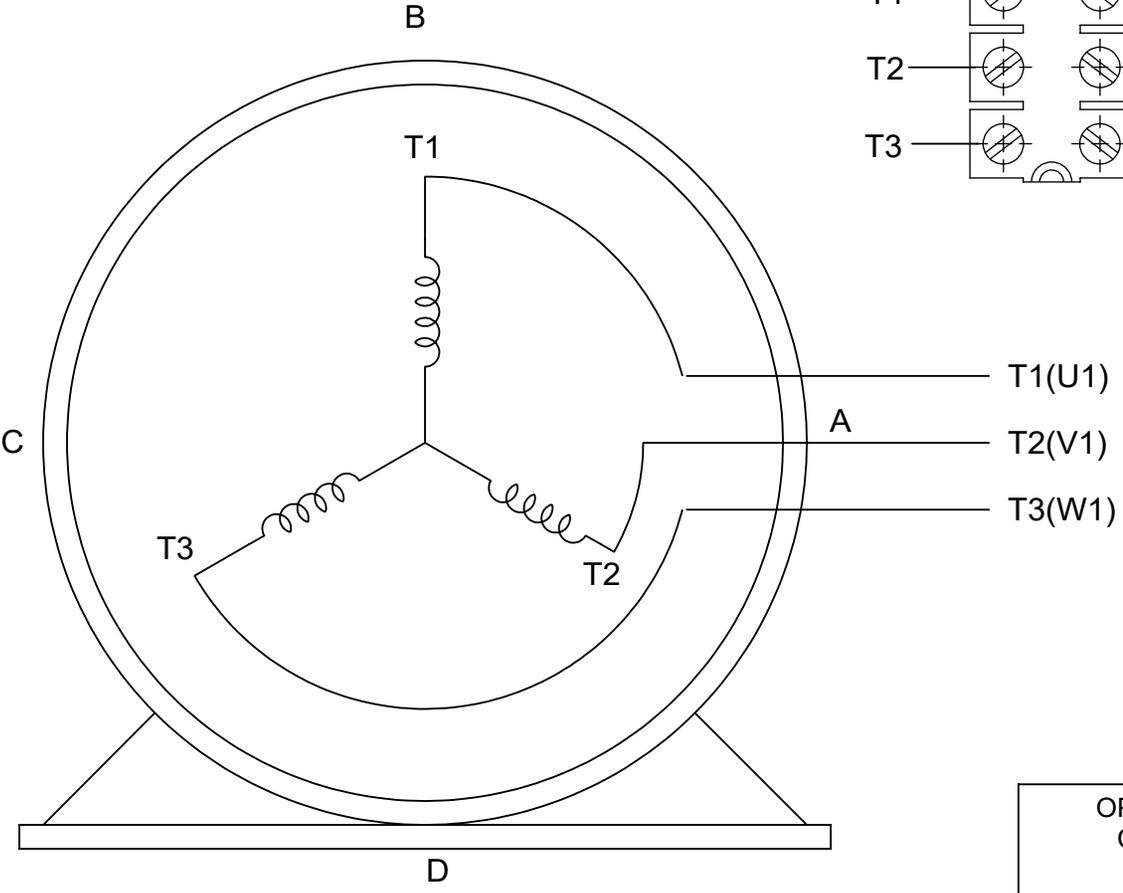
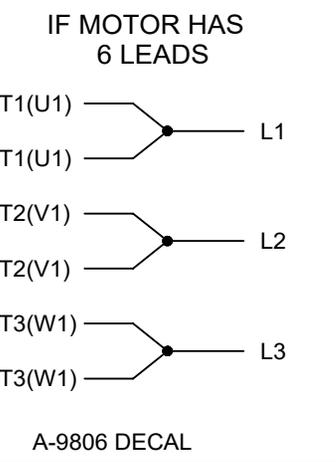
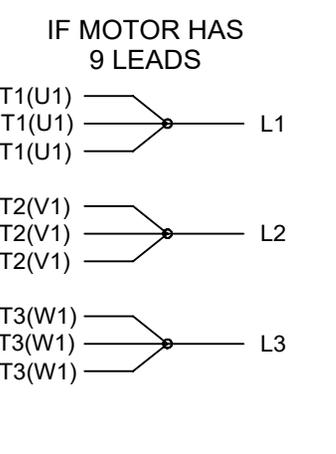
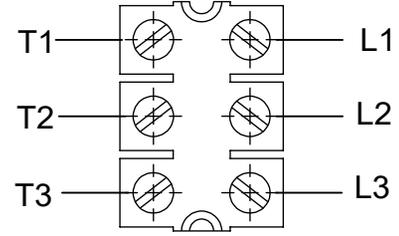
STACK:

/RS  
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-dictionary-

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