

PRODUCT INFORMATION PACKET



Model No: 141173.00

Catalog No: 141173.00

..7.5HP..1800RPM.213TYZ.TEFC.208-230/460VAC.3PH.60HZ.CONT.40C.1.15 SF.2-Bolt SAE A.C213T14FZ2.....
NONE.....

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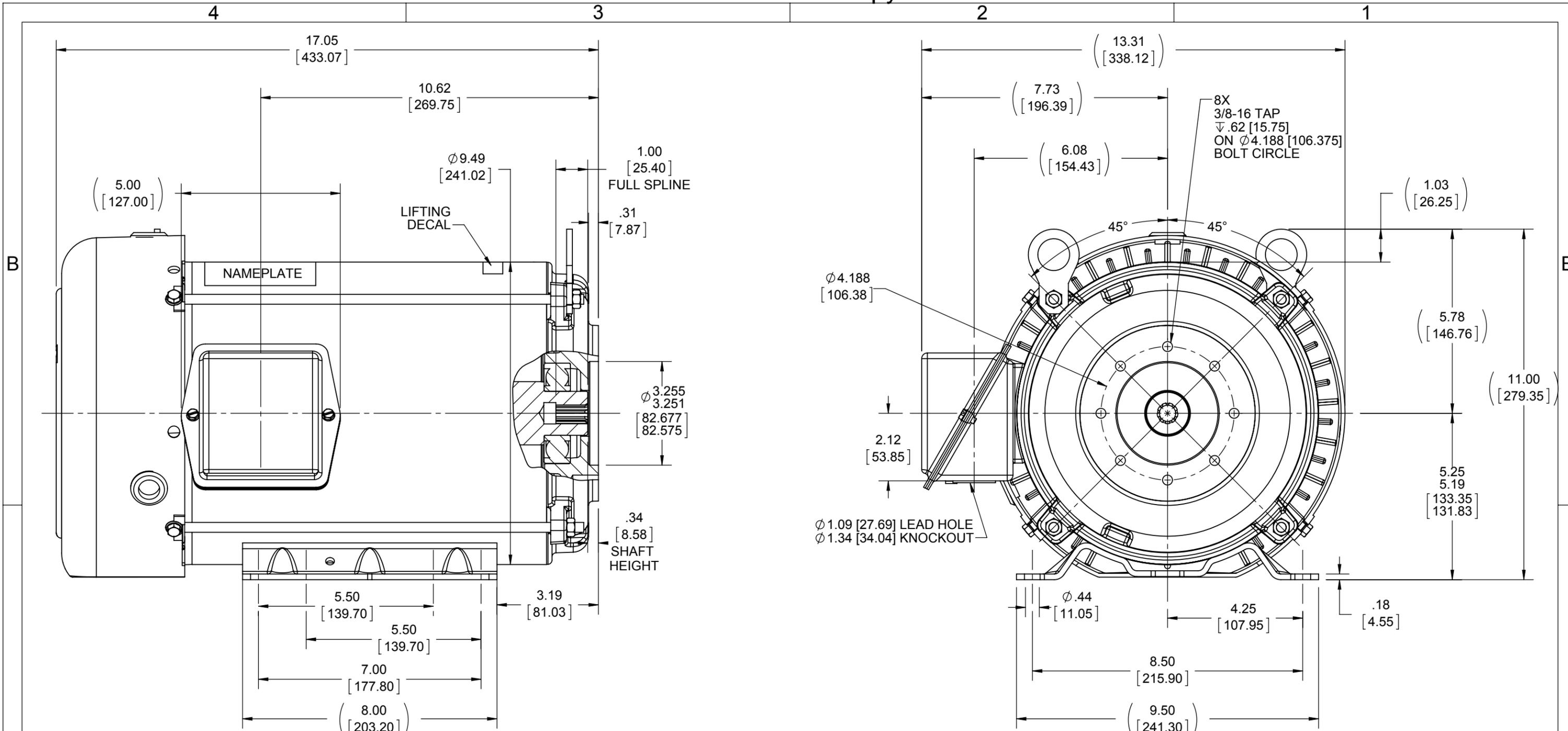
Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	20.0/10.0 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	213TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
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	4	Rotation	Reversible
Resistance Main	1.56 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	609-0004	Connection Drawing	A-EE7308-LE

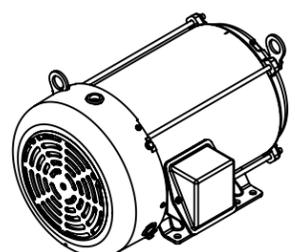
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INTERNAL INVOLUTE SPLINE FLAT ROOT SIDE FIT - CLASS 5 FIT

NO. OF TEETH	9
SPLINE PITCH	16/32
PRESSURE ANGLE	30°
BASE DIAMETER	.4871 [12.3723] REF.
PITCH DIAMETER	.5625 [14.2875] REF.
MAJOR DIAMETER	.651 [16.535] MAX
FORM DIAMETER	.629 [15.977]
MINOR DIAMETER	.509/.514 [12.929/13.056]
CIRCULAR SPACE WIDTH	
MAXIMUM ACTUAL	.1008 [2.5603]
MINIMUM EFFECTIVE	.0982 [2.3571]
SIZE BETWEEN	BHT .399/.401 [10.135/10.185]
Ø.108[2.743] PINS	.399/.402 [10.1357/10.211]

ANSI B92.1-1996 PROVISIONS APPLY

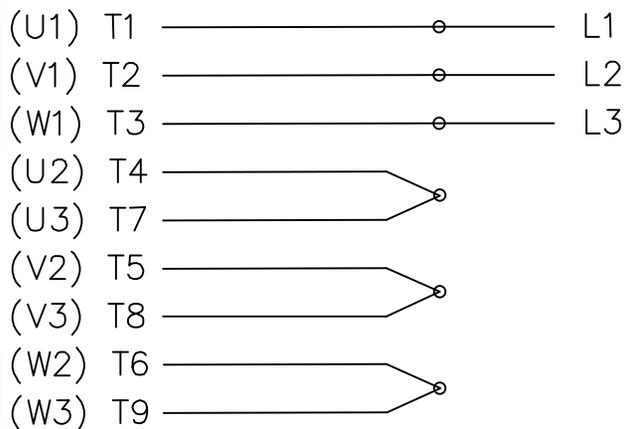


- NOTES:**
- 1) NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR
 - 2) BOX CAN BE MOUNTED IN 90° STEPS
 - 3) BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° (EXCEPT AS NOTED)

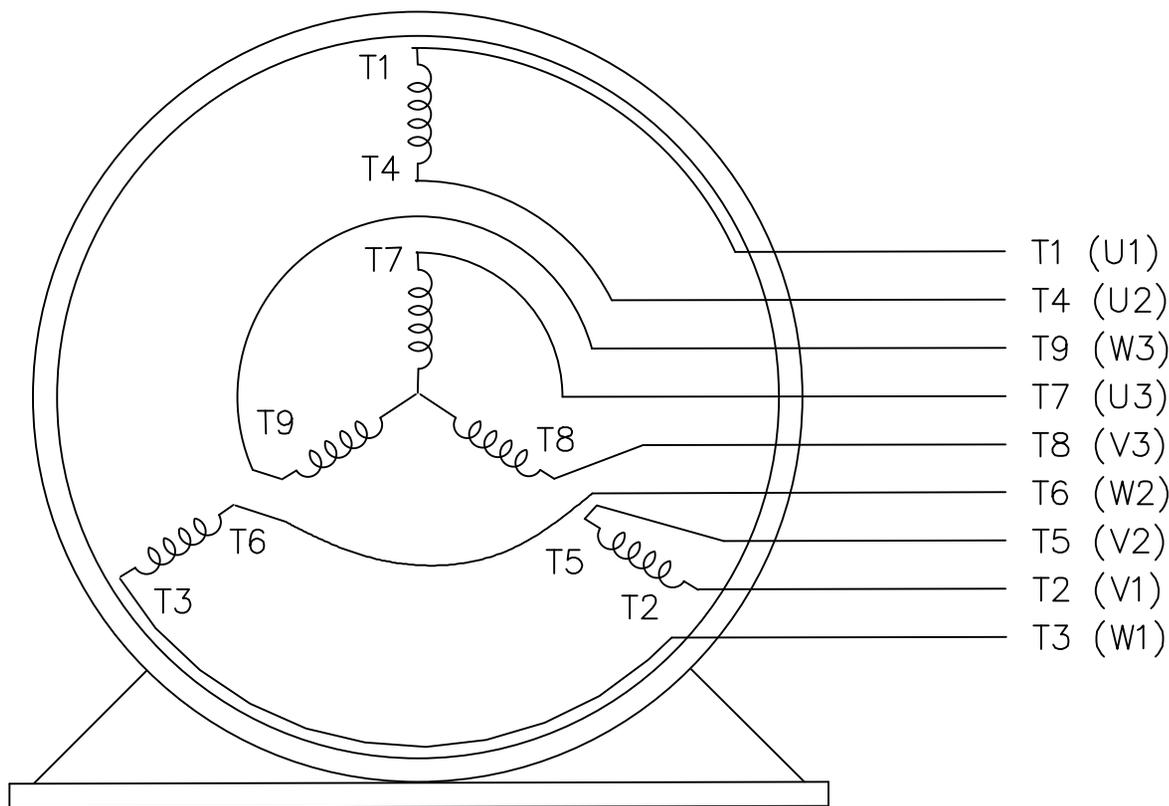
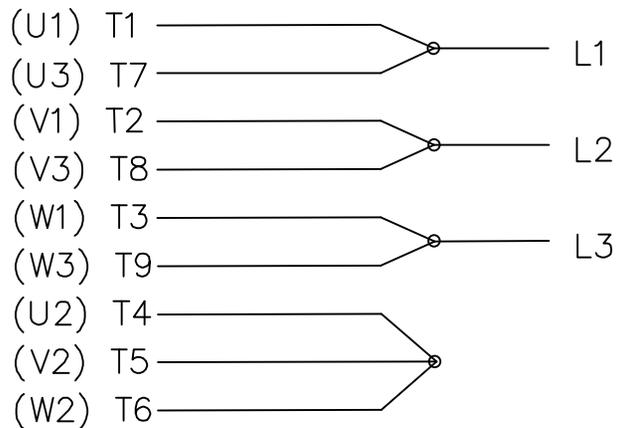
DRAWING REVISION C	REVISION BY MITCH VERBICK	DATE 10/7/2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY MITCH VERBICK	REGAL ™ Regal Beloit America, Inc.
ECO ECO-0062088	APPROVED BY	DATE	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm SHOWN IN [BRACKETS]	DATE 2/17/2014	
ECO DESCRIPTION SPLINE DEPTH ADDED				APPROVED BY	DESCRIPTION OUTLINE 210 FRAME SAE A SPLINE
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				PROCESS/FINISH	SIZE B
				THIRD ANGLE PROJECTION	DRAWING NUMBER 609-0004
					SHEET 1 OF 1

THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE



- T1 (U1)
- T4 (U2)
- T9 (W3)
- T7 (U3)
- T8 (V3)
- T6 (W2)
- T5 (V2)
- T2 (V1)
- T3 (W1)

VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 04-29-2002		
				DEC.	INCHES		CHK	ML 05-03-2002	
				.X	±.1		APPD	GK 05-03-2002	
				.XX	±.01	TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	SCALE	1=1	
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR	.XXX	±.005		REF		
1	NEW DRAWING	HLB 05-03-2002	ML	.XXXX	±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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		CAD FILE EE7308-LE	SIZE	DRAWING NO. PAGE OF	REV.
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