

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTGS7068

Catalog No: C323

Other Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 182TC Frame,
EPFC

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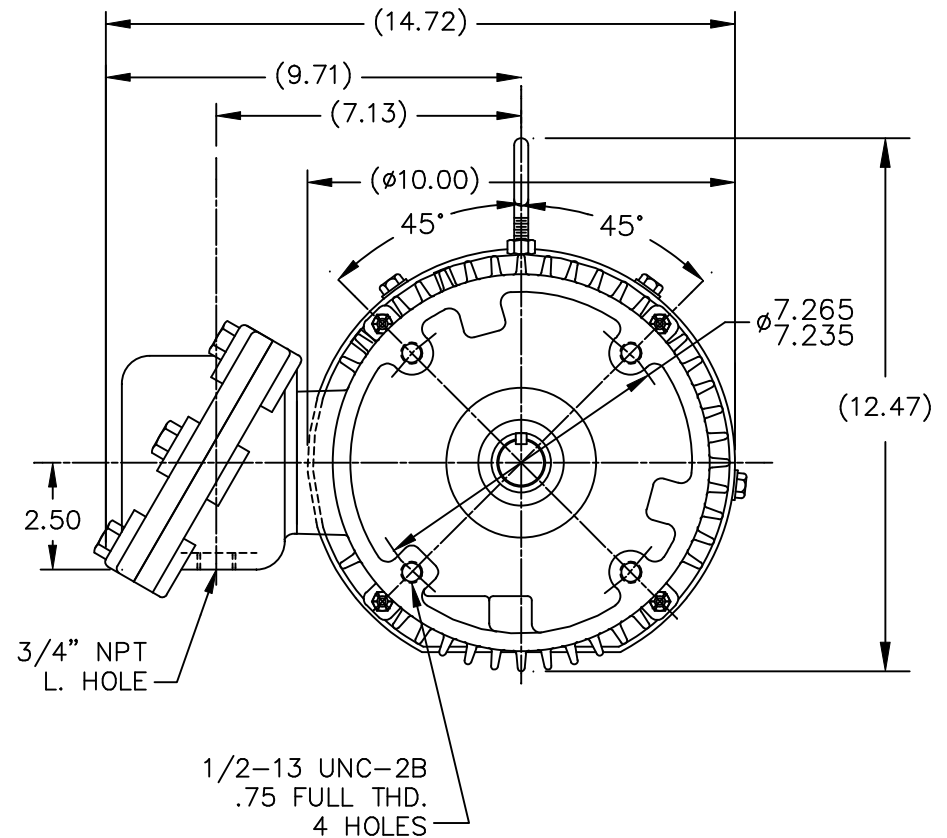
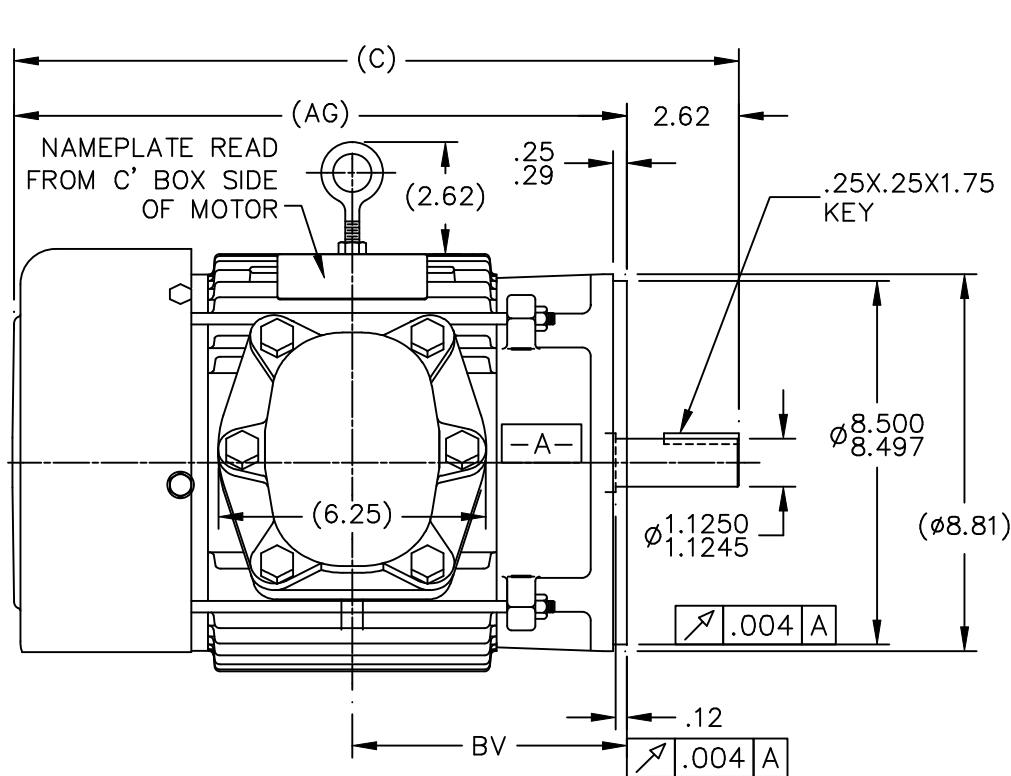
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1435 rpm	Service Factor	1.0 & 1.0
Frame	182TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	78.5 & 78.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8.8/4.4 & 7.4/3.7 A	Power Factor	76.3
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	H
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	N	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	7.75 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	15.62 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS63882-575	Connection Drawing	A-EE7308T



NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° THIS MODIFICATION CAN BE PERFORMED ONLY BY MARATHON ELECTRIC OR BY A FACILITY THAT IS COVERED UNDER UNDERWRITERS LABORATORIES INC. PTKQ, TITLED "MOTOR AND GENERATORS, REBUILT FOR USE IN HAZARDOUS LOCATIONS".

DASH	FRAME	C	AG	BV		
575	182/4TC	15.62	13.00	5.88		
675	182/4TC	16.62	14.00	6.38		
800	182/4TC	17.87	15.25	7.00	12-09-1999	

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
9	UPDATED THE NOTE	ST 5/7/2007	AT	.X	±.1
8	DASH 575 & 675 FRAME WERE 182TC ONLY CN 37332	HLB 09-22-2003	HLB	.XX	±.03
7	UPDATED TITLE BLOCK	DAH 01-08-2001		.XXX	±.005
6	REDRAWN ON CAD	PGK 01-09-1997		.XXXX	±.0005
				ANG	±7'30"

		DRAWN PGK 12-27-1996	
		CHK	ML 01-09-1997
TITLE OUTLINE 180TC FR. - BB - EPFC - C'FACE		APPD	GK 01-09-1997
		SCALE	2=9
MAT'L. FINISH		REF	
		FMF	
CAD FILE ss63882		PREV	
		SIZE	A

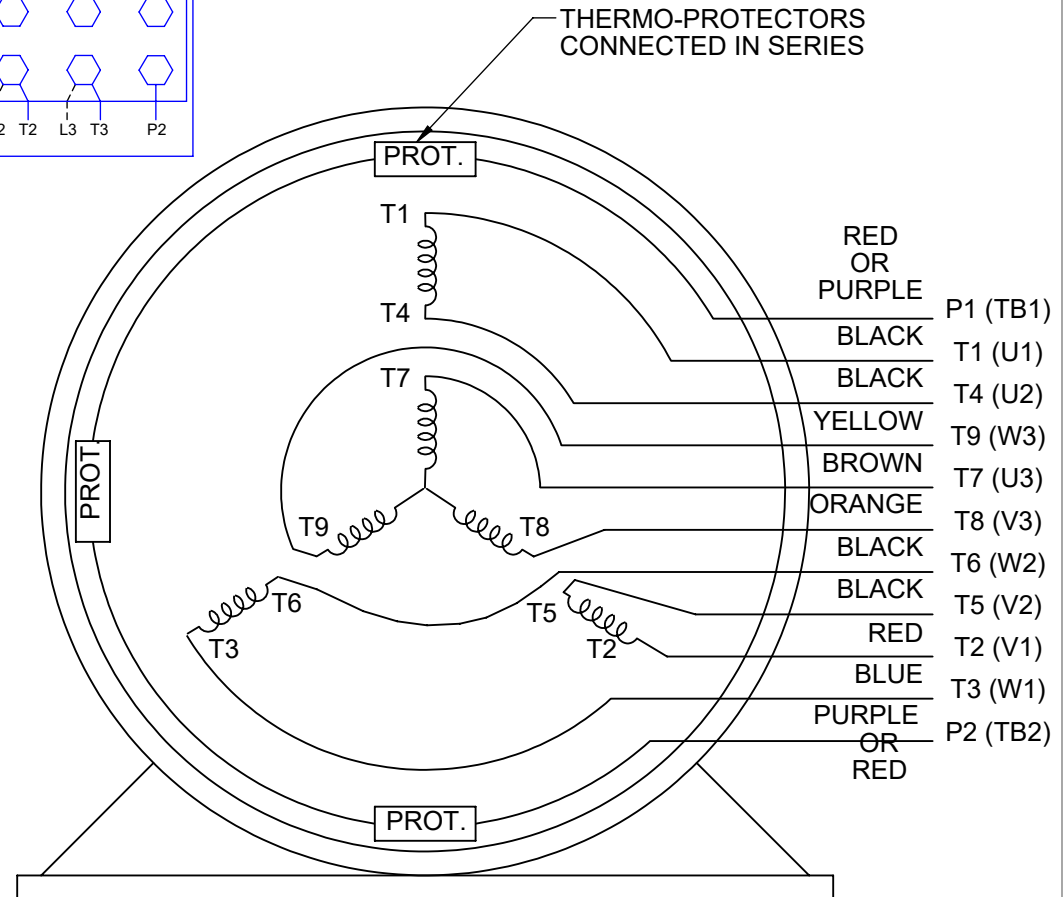
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	DIST LB						

HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE

THREE PHASE
DUAL VOLTAGE MOTOR

VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019

ECO DESCRIPTION
ADDED TERMINAL CONNECTION DIAGRAM

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DRAWN BY
SMC

DATE
05-13-1992

APPROVED BY
TB

DATE
05-13-1992

REFERENCE
EE7308/EE7300

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONN DIAGRAM-INTERNAL
 3 PHASE - DUAL VOLTAGE MOTOR

MATERIAL

PROCESS/FINISH

SIZE
A

DRAWING NUMBER

EE7308T

SHEET
1 OF 1