PRODUCT INFORMATION PACKET

marathon® Motors

Model No: 405TTDS4036
Catalog No: E742
125 HP General Purpose Motor, 3 phase, 1800 RPM, 460 V, 405T Frame, ODP
General Purpose Motors

Regal Rexnord

marathon®
Motors

Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	141.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Power Factor	86
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Frame	405T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications
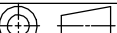
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start
Poles	4	Rotation	Reversible
Resistance Main	.052 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	34.01 in
Frame Length	17.00 in	Shaft Diameter	2.875 in
Shaft Extension	7.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7341C	Outline Drawing	B-SS509599-1700

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(C)

(7.50)
7.25

3/4 X 3/4 X
5.62 KEY

(15.20)

⌀ 2.875
   2.874

(4.33)   BS   6.62

2F

(B)

(29.17)
(18.86)
(13.68)
(20.62)

(23.47)

6.00

10.00
9.94

⌀4.12
LEAD HOLE

⌀.81-.86
4 HOLES

(4.09)   8.00
16.00
(19.75)

F2 VIEW
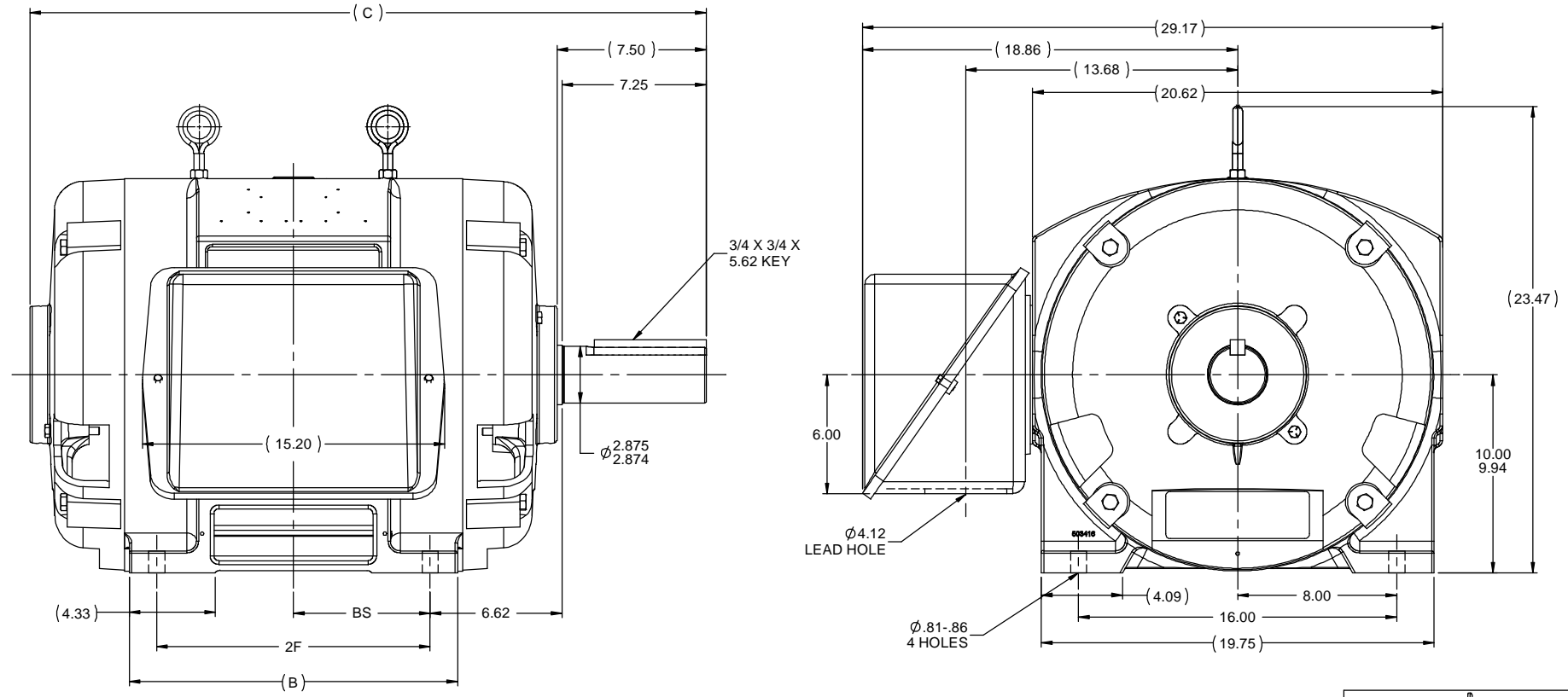
NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE
   BY REMOVING BRACKETS AND TURNING FRAME 180°
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE
   OF MOTOR.

NO	REVISION	BY & DATE	CHK			
11	ADDED F2 VIEW	TJW 1/6/2010	CTO	DEC	INCHES	
10	REDRAWN IN AUTOCAD	TAT 6/29/2004	ML	.X	±.1	
9	REPLACED ONE EYEBOLT WITH TWO CN28063	BJW 2/10/2000		.XX	±.03	
8	UPDATED C'BOX GEOMETRY CN28063	TRB 2/10/2000		.XXX	±.005	
7	REDRAWN ON CADD	TLB 2/24/1988		.XXXX	±.0005	

TOLERANCES
UNLESS SPECIFIED

ANG ±7'30"

marathon electric

DRAWN TJB 2/24/1988
CHK JL 2/24/1988
APPR ML 2/24/1988

TITLE OUTLINE
400T FR. - DR.PR. - (STD0

SCALE 3:16
REF
MAT'L
FMF
FINISH
PAGE   OF

THIRD ANGLE PROJECTION

RFP
PREV
NETWORK FILE NAME SS509599

SIZE B
DRAWING NO SS509599
REV 11

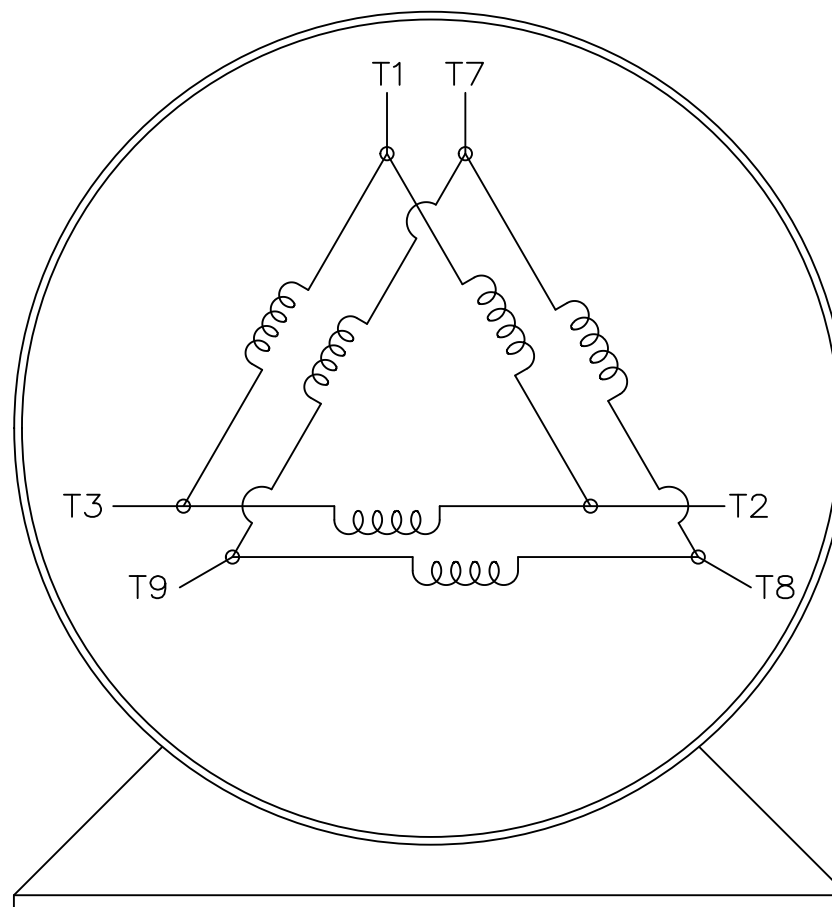| DASH	FRAME	B	C	BS	2F		
1550	404T	15.00	32.51	6.12	12.25		
1700	405T	16.50	34.01	6.88	13.75		

THREE PHASE — PART WINDING START
DELTA — 6 LEADS

START
_____
CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7—T8—T9 OPEN

RUN
_____
CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3

IF MOTOR HAS 2 T'S

START
_____
CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7—T8,T8—T9,T9 OPEN

RUN
_____
CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

VIEW OF TERMINAL END

NO.	REVISION	BY & DATE				
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.XXX	± —	
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± —	
NO.	REVISION	BY & DATE	CHK	ANG	± —	

TOLERANCES UNLESS SPECIFIED
DEC.   INCHES
.X   ± —
.XX   ± —

REGAL REGAL-BELOIT CORPORATION

DRAWN BLR   03-09-1998
CHK   ML   03-23-1998
APPD   GK   03-23-1998

TITLE   CONNECTION DIAGRAM
3∅ — 6 LEADS
SCALE   1=1
REF

MAT'L.
FMF

FINISH
PREV

RFP
DIST
CAD FILE EE7341C

SIZE   A
DRAWING NO.   PAGE   OF
EE7341C
REV.   E