PRODUCT INFORMATION PACKET

Model No: 182TTFS8101
Catalog No: L409
Other Purpose Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 900 & 750 RPM, 182T Frame, TEFC

marathon® Motors

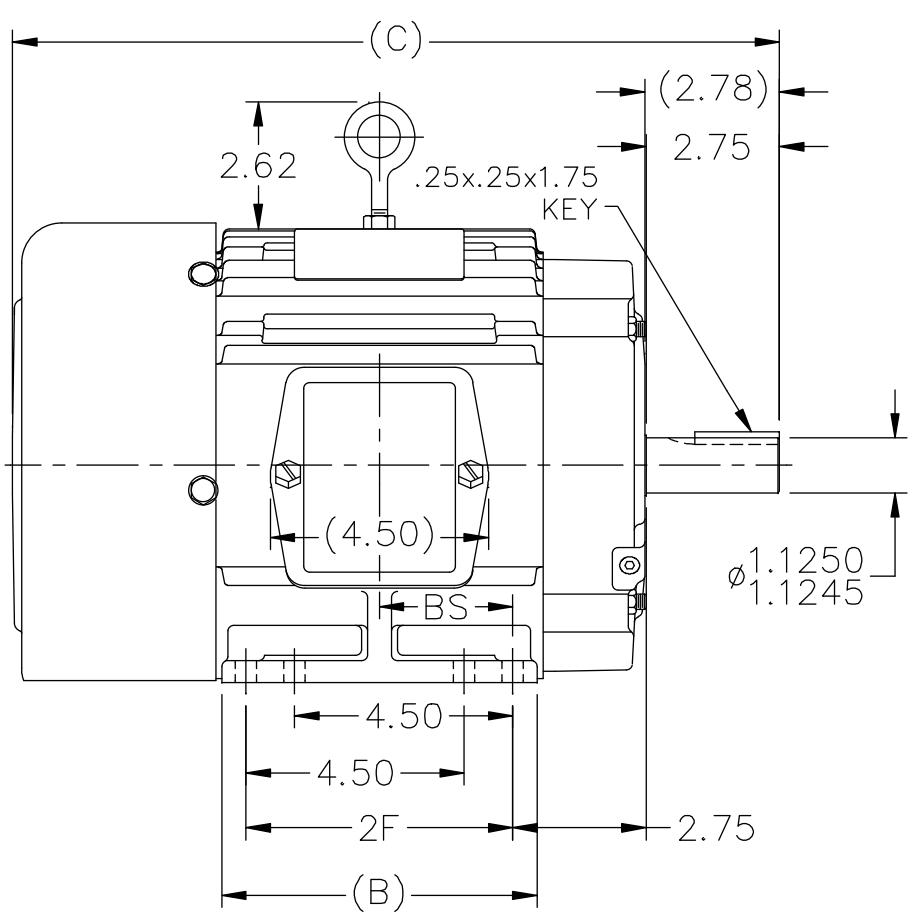
Nameplate Specifications

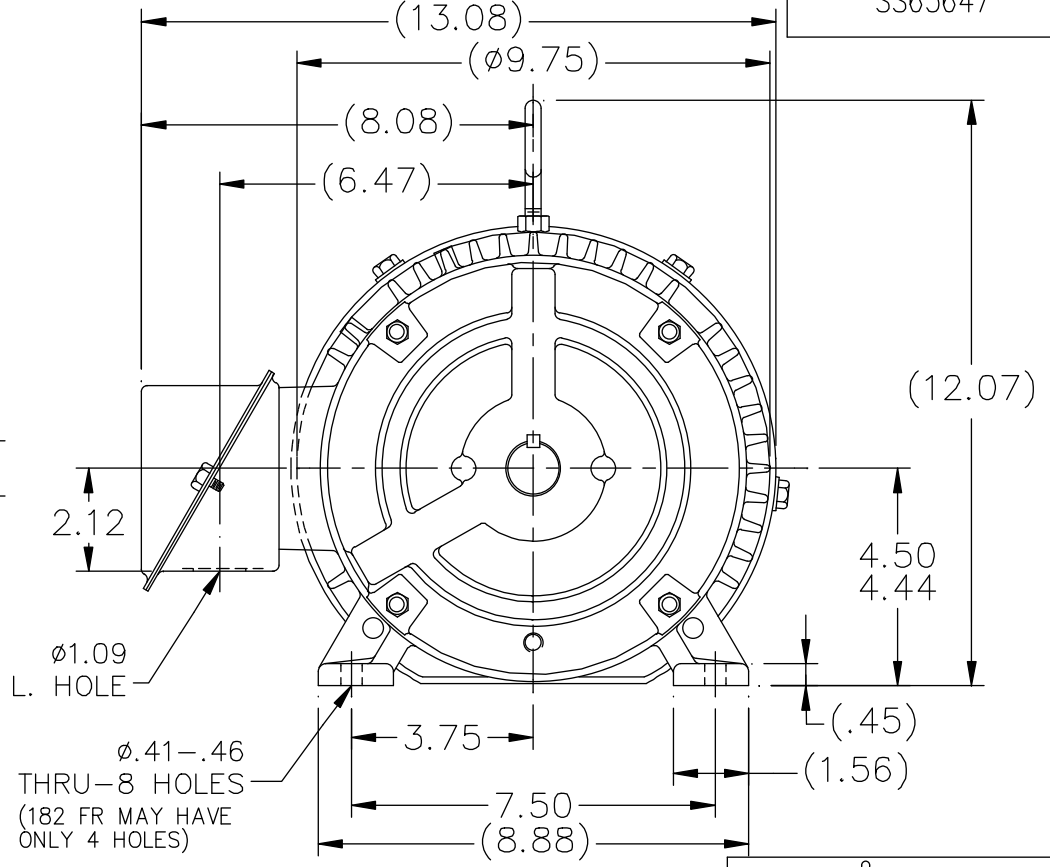
Phase	3	Output HP	1 & 0.75 Hp
Output KW	0.75 & 0.56 kW	Voltage	230/460 & 190/380 V
Speed	850 & 750 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72 & 70 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4/2 & 3.8/1.9 A	Power Factor	62
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	19.9 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	14.81 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.78 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS63647-575	Connection Drawing	A-EE7308

SS63647

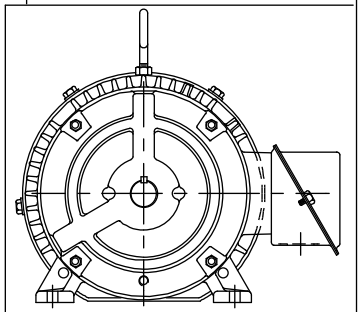




DASH	FR.	C	B	2F	BS	MOUNTING
575	182T	14.81	5.50	4.50	2.25	F1 OR F2
675	182/4T	15.81	6.50	5.50	2.75	F1 OR F2
800	182/4T	17.06	7.75	5.50	3.38	F1 ONLY

01-19-2000

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



F2 VIEW

NO.	REVISION	BY & DATE	CHK
11	ADDED F2 VIEW	HLB	
10	REVISED DASH 575 WAS F1 ONLY CN 29200–90	CAV 01–31–2000	
9	ADDED 4 EXTRA FOOT HOLES	MRB 07–02–1998	
8	REVISED SHAFT HEIGHT CN 16763	BRH 03–18–1996	
7	REDRAWN ON CADD	SMC 04–20–1993	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

TITLE OUTLINE
180T FR. – BB – TS – TEFC

MAT'L.

FINISH

CAD FILE ss63647

RFP

DIST LB

DRAWN	SMC 04–07–1993
CHK	ML 04–12–1993
APPD	GK 04–19–1993
SCALE	1=4
REF	
FMF	
PREV	

SIZE	DRAWING NO.	PAGE	OF	REV.
A	SS63647			11

EE7308

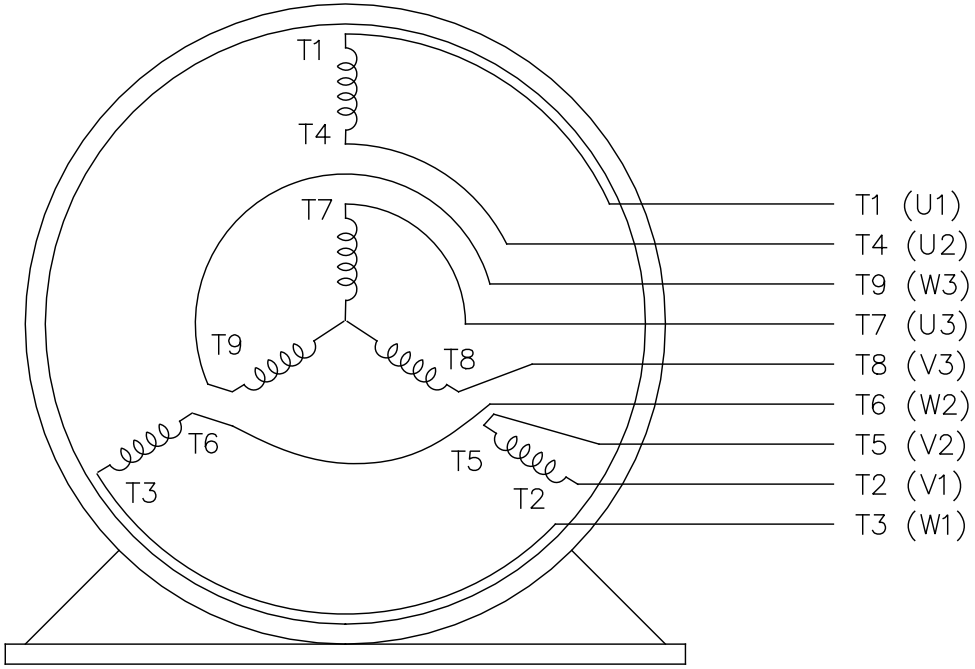
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

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

OPTIONAL CORD CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK
5	CHG TO REGAL LOGO	SL 09/10/2015	AB
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
1	REDRAWN	RM 11/20/1990	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.
FINISH
CAD FILE ee7308
RFP
DIST WP

DRAWN RM	11/20/1990
CHK ML	11/21/1990
APPD SAS	04/24/2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308 | PAGE OF | REV. 5