PRODUCT INFORMATION PACKET

Model No: 182TTDR7101
Catalog No: H182
1 HP General Purpose Motor, 3 phase, 900 RPM, 230/460 V, 182T Frame, ODP
Three Phase ODP Motors

marathon® Motors

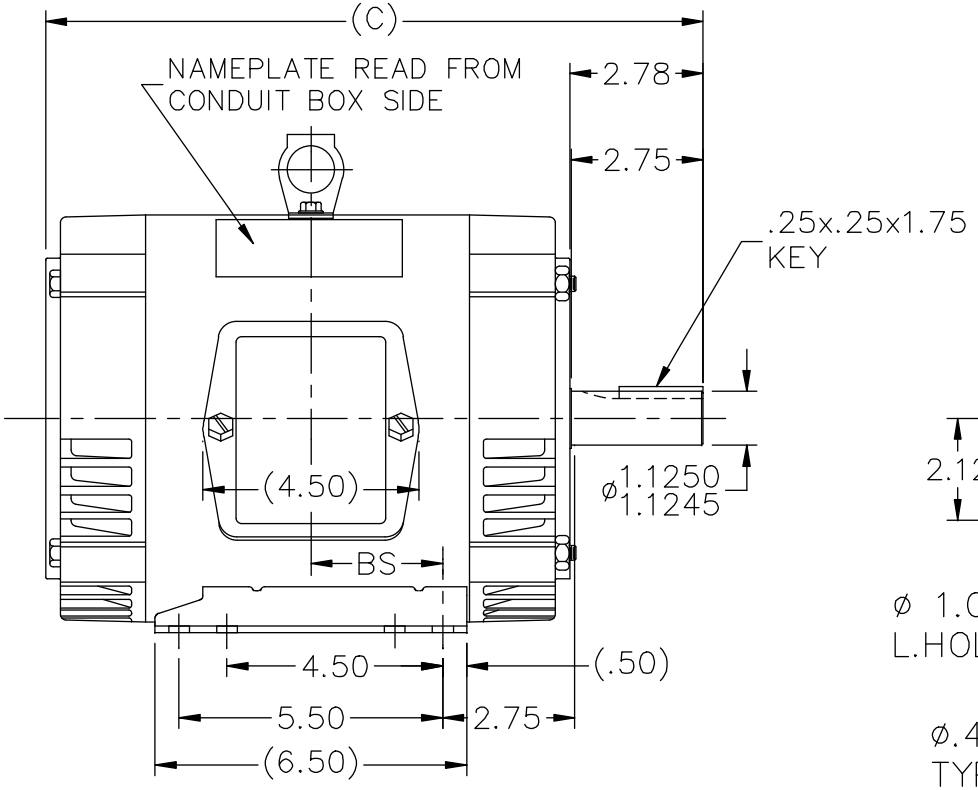
Nameplate Specifications

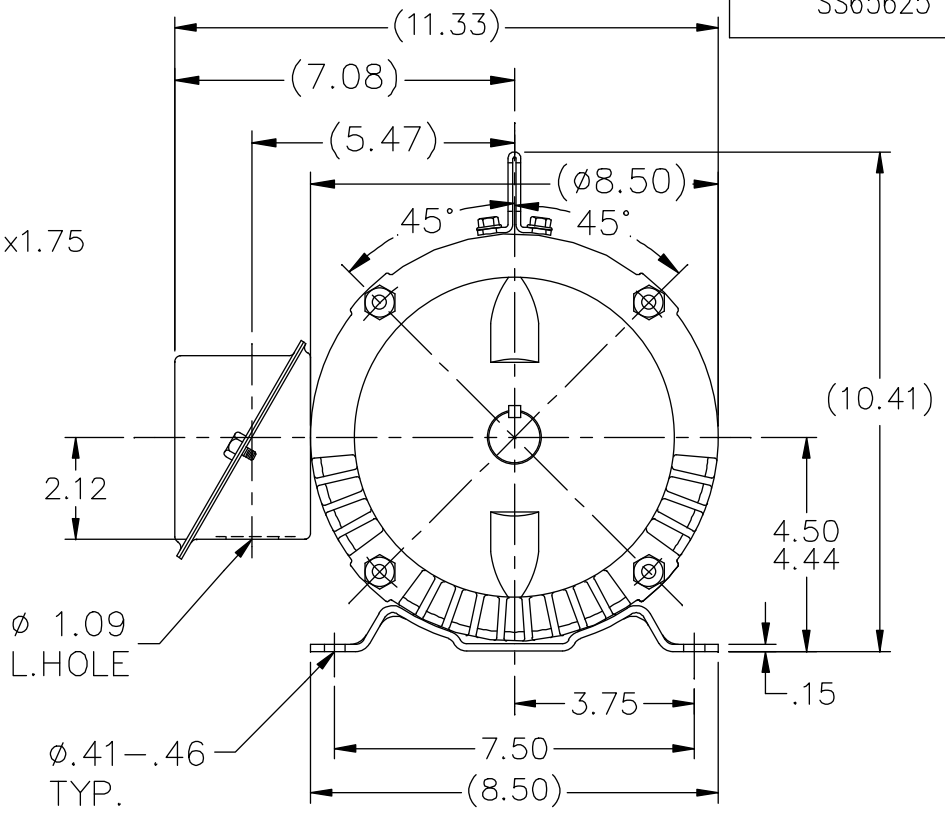
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4/2 A	Speed	850 rpm
Service Factor	1.15	Phase	3
Efficiency	72 %	Power Factor	62
Duty	CONTINUOUS	Insulation Class	B
Design Code	B	KVA Code	G
Frame	182T	Enclosure	DP
Thermal Protection	NOT	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	8	Rotation	REV
Resistance Main	21.4 Ohms	Mounting	RIGID
Motor Orientation	HORIZONTAL	Drive End Bearing	BALL
Opp Drive End Bearing	BALL	Frame Material	ROLLED STEEL
Shaft Type	T	Overall Length	12.72 in
Frame Length	5.75 in	Shaft Diameter	1.13 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE

SS65625

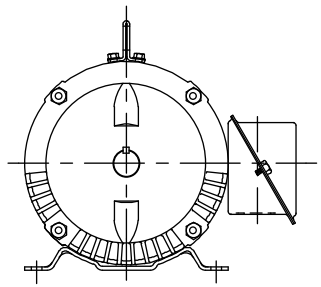




BOX CAN BE ROTATED IN 90° STEPS.

DASH	FR.	C	BS	MOUNTING	DASH	FR.	C	BS	MOUNTING
575	182T	12.72	2.25	F1 OR F2	775	182T	14.72	3.25	F1 ONLY
625	182T	13.22	2.50	F1 OR F2	775	184T	14.72	3.25	F1 ONLY
675	182T	13.72	2.75	F1 OR F2	825	184T	15.22	3.50	F1 ONLY
675	184T	13.72	2.75	F1 OR F2	875	184T	15.72	3.75	F1 ONLY
725	182T	14.22	3.00	F1 ONLY	925	184T	16.22	4.00	F1 ONLY
725	184T	14.22	3.00	F1 ONLY					

08-02-2000
12-19-1995
03-28-2000



F2 VIEW (WHEN APPLICABLE)

NO.	REVISION	BY & DATE	CHK
14	UPDATED DRAWING	RJW 04-20-2007	
13	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML
12	ADDED LIFT LUG CN 34025	DRS 07-06-2001	
11	ADDED MOUNTING TYPE CN 27451	DRS 02-17-2000	
10	CORRECTED DASH 725 & 775 CN 21725-50	BLR 01-15-1996	

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

MARATHON ELECTRIC

TITLE OUTLINE
180T FR. – BB – TS – DR. PR.

MAT'L.

FINISH

DRAWN	ML 12-28-1987
CHK	GK 12-28-1987
APPD	FG 12-28-1987
SCALE	1=4
REF	
FMF	
PREV	

RFP

DIST LB

CAD FILE ss65625

SIZE	DRAWING NO. PAGE OF	REV.
A	SS65625	14

EE7308

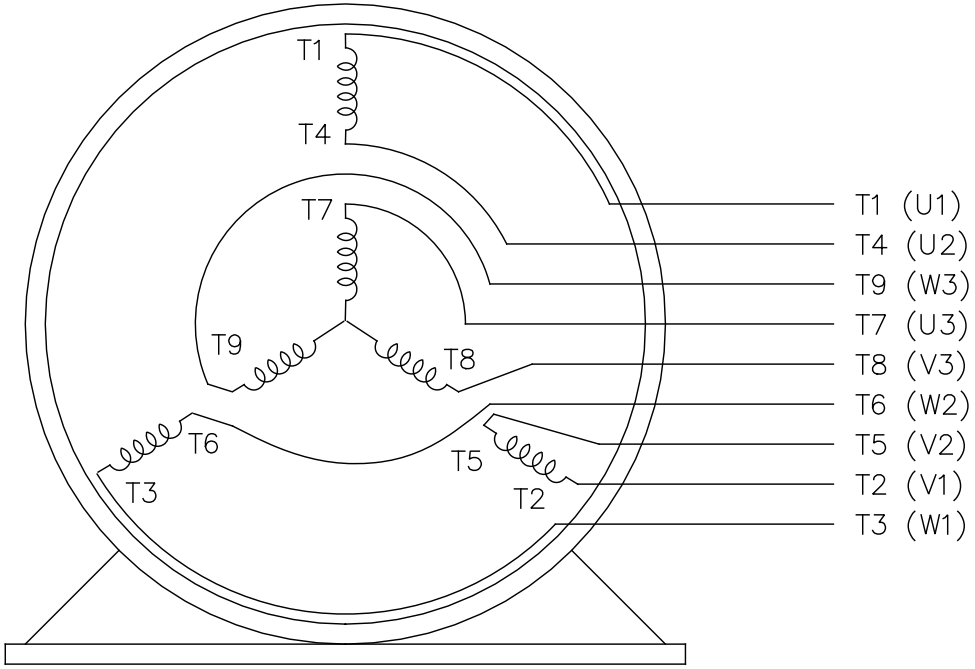
THREE PHASE
DUAL VOLTAGE MOTOR

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