PRODUCT INFORMATION PACKET

Model No: 182TTFW14005
Catalog No: M875A
3 HP Vertical Solid Shaft P-Base Motor, 3 phase, 3600 RPM, 230/460 V, 182HPV Frame, TEFC
Vertical Pump Motors

marathon® Motors

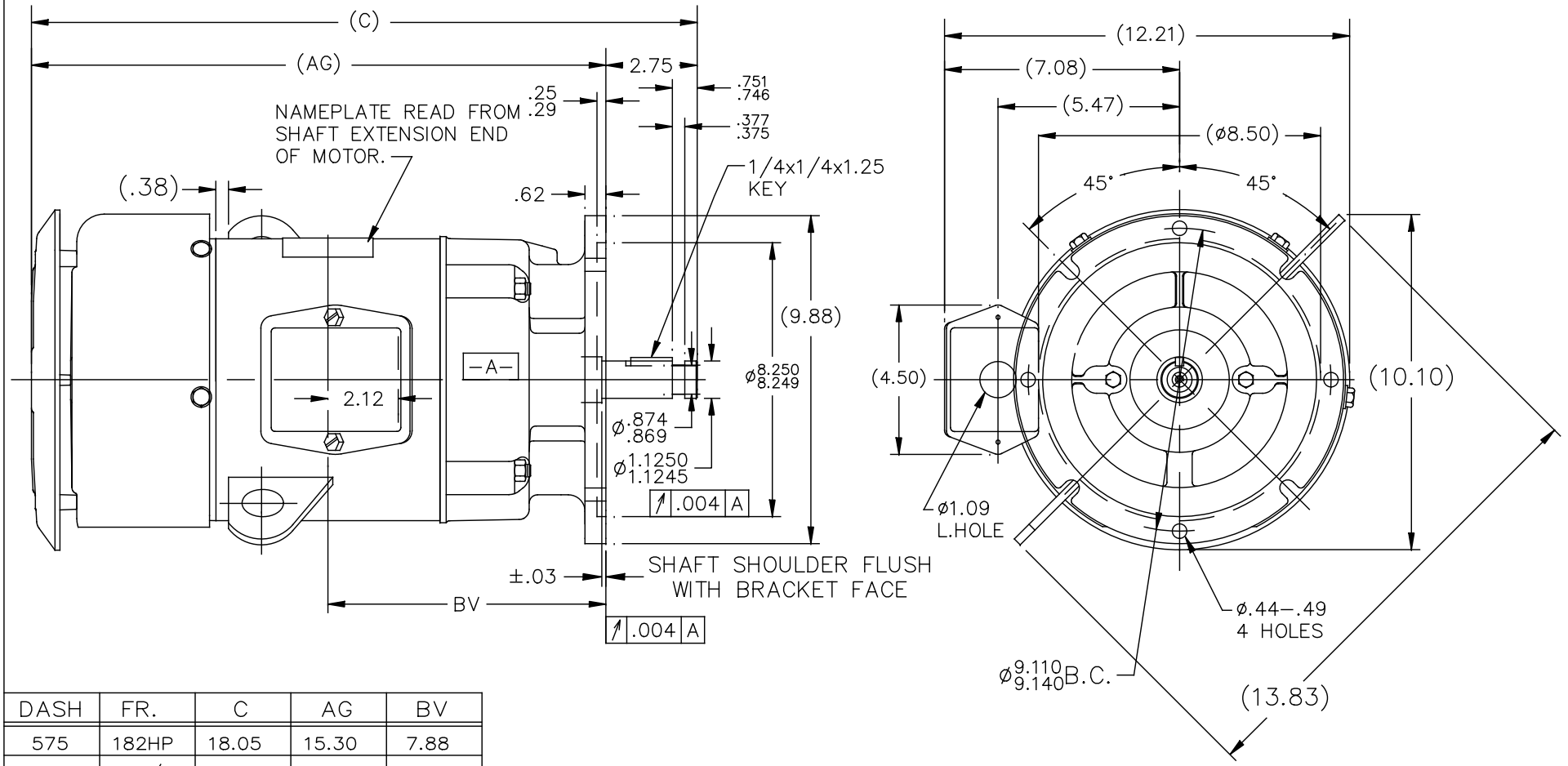
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.4/3.7 A	Speed	3480 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	182HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	207	Opp Drive End Bearing Size	205
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	2	Rotation	Reversible
Resistance Main	3.57 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	HP	Overall Length	18.05 in
Frame Length	5.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS69314-575	Connection Drawing	EE7308

SS69314



DASH	FR.	C	AG	BV
575	182HP	18.05	15.30	7.88
675	182/4	19.05	16.30	8.38
775	182/4	20.05	17.30	8.88
825	182/4	20.55	17.80	9.12
925	182/4	21.55	18.80	9.62

NO.	REVISION	BY & DATE	CHK
5	ADDED ITEM 925	KIR 03/10/16	ST
4	ADDED ±.03 TOL. SHAFT SHOULDER	KS 1-3-2012	TB
3	REMOVED "O" DIM. AT NOTE FOR SHAFT SHOULDER	RJW 04-20-2006	ML
2	ADD DASH 825 LINE	RWR 02-06-2004	PH
1	NEW DRAWING MU43594	TJB 10-04-2002	PH

TOLERANCES UNLESS SPECIFIED

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

REGAL™ Regal Beloit America, Inc.

TITLE OUTLINE
180HP FR. – BB – TS – TEFC – 'P' BASE

MAT'L.

FINISH

CAD FILE ss69314

RFP

DIST LB

DRAWN	TJB 10-03-2002
CHK	ML 10-03-2002
APPD	PH 10-04-2002
SCALE	1=4.5
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	SS69314	5

EE7308

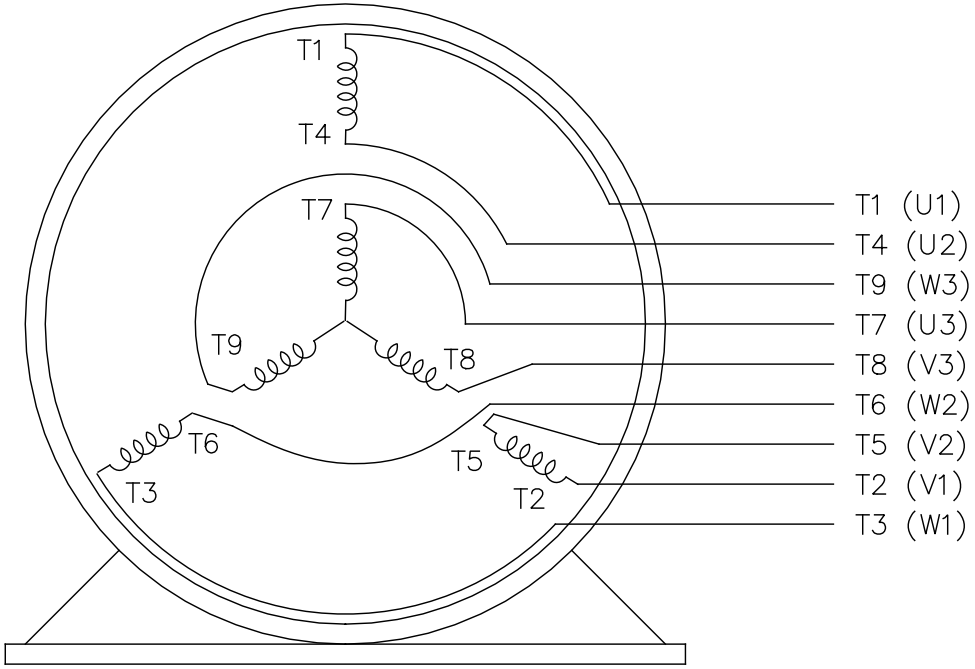
THREE PHASE
DUAL VOLTAGE MOTOR

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