PRODUCT INFORMATION PACKET

Model No: 184TTFCD6300
Catalog No: 184TTFCD6300
7.5,3600,TEFC,184TC,3/60/230/460

marathon® Motors

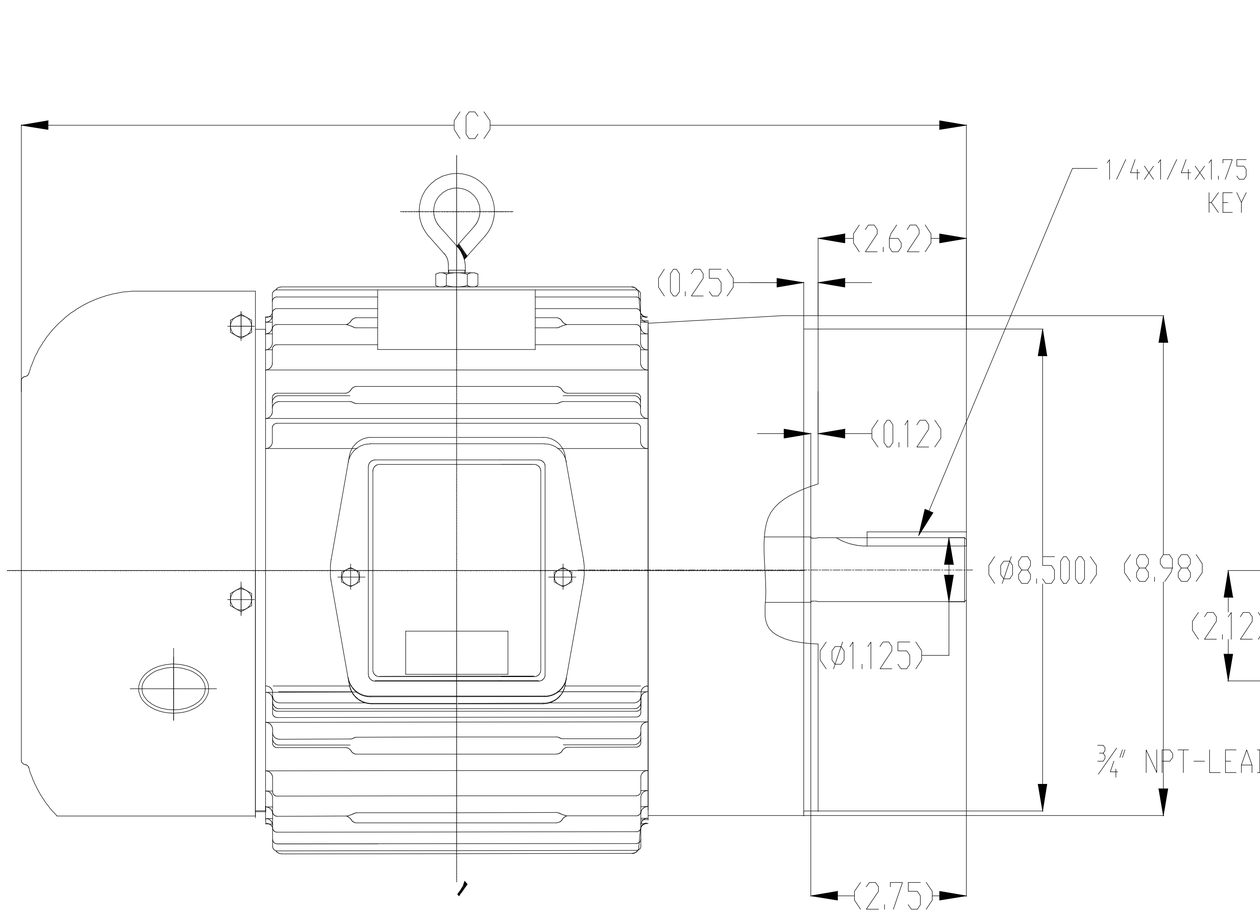
Nameplate Specifications

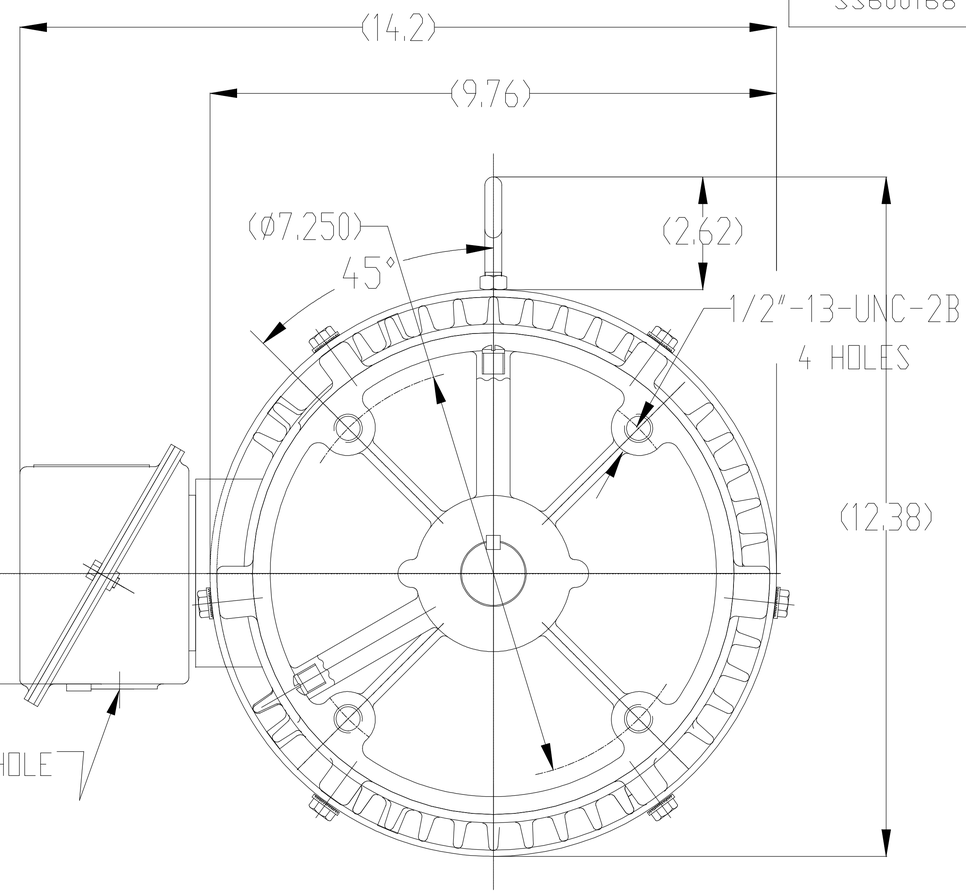
Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230/460 V
Speed	3500 rpm	Service Factor	1.15
Frame	184TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.2/8.6 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	2.15 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS600168	Connection Drawing	EE7308

SS600168





182T	16.93
184T	17.72
FRAME	C

NO.	REVISION	BY & DATE	CHK
B	REMOVE ONE EYEBOLT ECO-0145257	WY 5-16-18	ZXW
A	RELEASED FOR PRODUCTION ECO-0141538	WGJ 3-14-18	EMH

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL REGAL-BELOIT CORPORATION

TITLE OUTLINE
182/184TC Round body TEFC-CAST IRON

MAT'L.

FINISH

DRAWN WY 16-05-2018
CHK
APPD
SCALE 1=2.5
REF
FMF wuxi
PREV

RFP
DIST

CAD FILE SS600168

SIZE B | DRAWING NO. SS600168 | REV.

EE7308

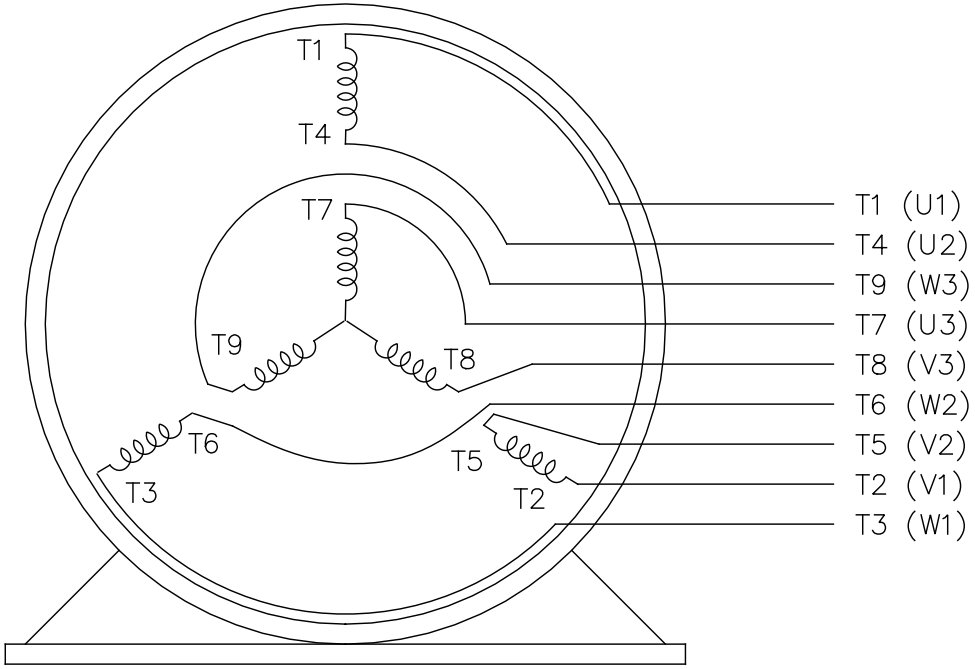
THREE PHASE
DUAL VOLTAGE MOTOR

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

Data Sheet

Date: 7/1/2024
Customer:
Attention:
Submitted by: VESHNU G

marathon® Motors

184TTFCD6300

Submittal

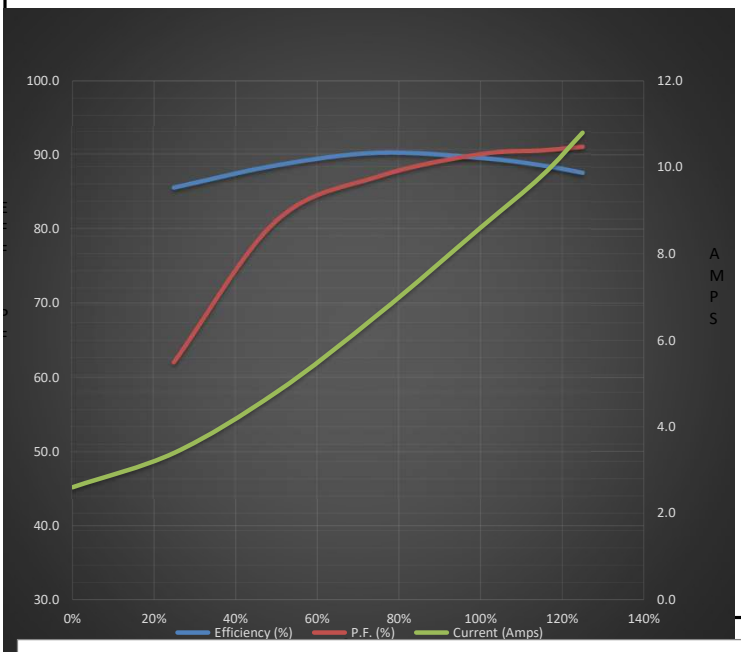
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.60	3.4	4.8	6.6	8.6	9.8	10.8	61.5	
Torque (ft-lb)	#NAME?	2.75	5.5	8.4	11.2	13.0	14.2	21.0	
RPM	3600	3575	3550	3525	3500	3,490	3475	0	
Efficiency (%)		85.5	88.5	90.2	89.5	88.5	87.5		
P.F. (%)	10.0	62.0	81.0	87.0	90.0	90.5	91.0	52.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2900	3500	3600
Current (Amps)	61.5	55.0	40.0	8.6	2.60
Torque (ft-lb)	21.0	17.0	34.0	11.2	0.00



Information Block

HP	7.5	
Sync. RPM	3600	
Frame	184	
Enclosure	TEFC	
Construction	TFC	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	60	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.35	Lb-Ft²
Ref Wdg	CHT1842010 NONE	
Sound Pressure @ 1M	70	dBA
VFD Rating	CONSTANT 10:1/VARIABLE 10:1	
Outline Dwg	SS600168	
Conn. Diag	EE7308	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.2850	0.8320	2.3440	1.2470	87.1290

Speed -Torque Curve