PRODUCT INFORMATION PACKET

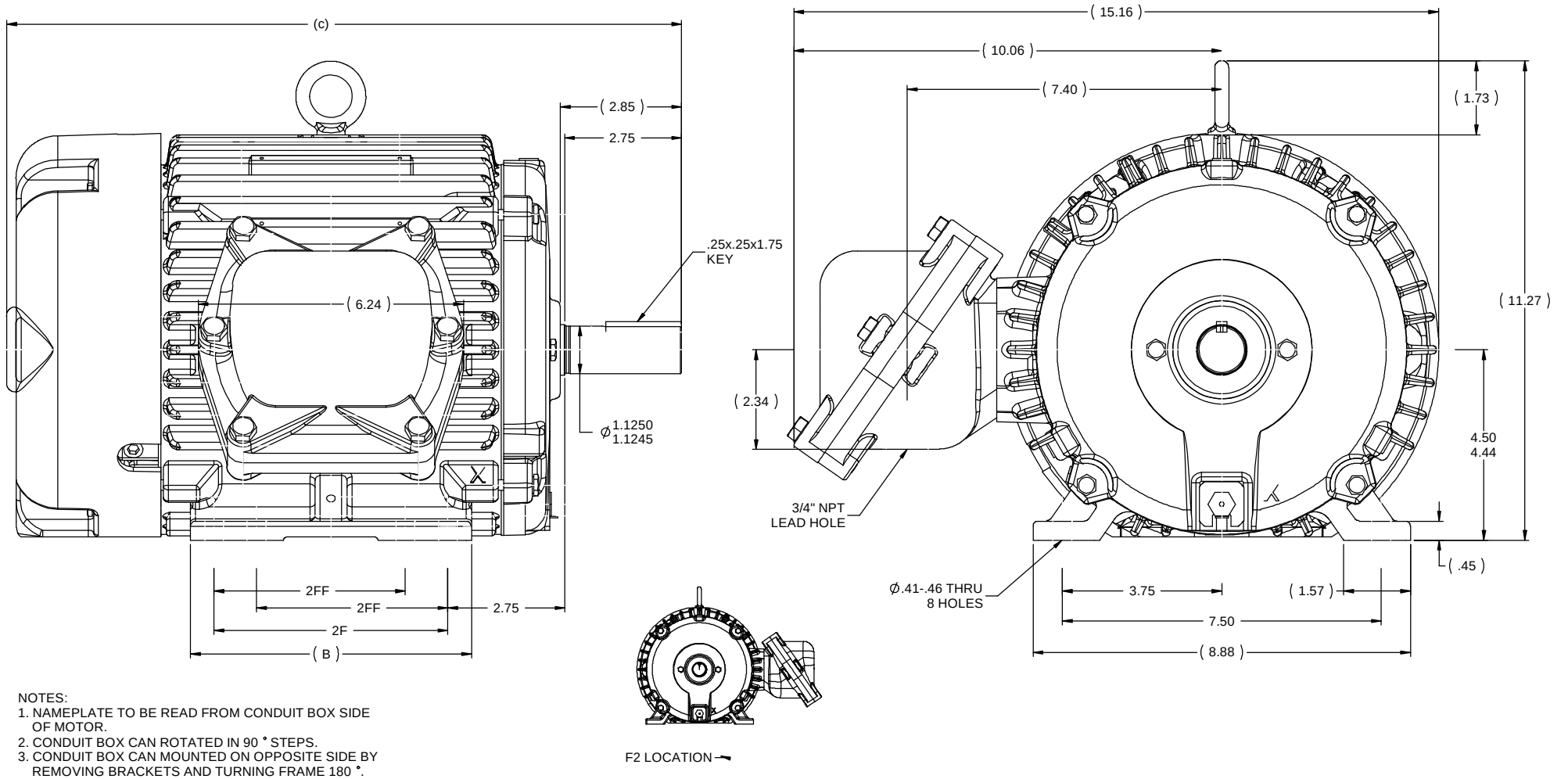
Model No: 184TTGN6501
Catalog No: U061A
5,3600,EPFC,184T,3/60/230/460
Explosion Proof

Nameplate Specifications

Output HP	**5 Hp**	Output KW	**3.7 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**11.8/5.9 A**	Speed	**3505 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**88.5 %**	Duty	**CONTINUOUS**
Insulation Class	**F**	Design Code	**B**
KVA Code	**J**	Frame	**184T**
Enclosure	**EPFC**	Overload Protector	**NOT**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6206**	UL	**No**
CSA	**N**	CE	**N**
IP Code	**54**		

Technical Specifications

Electrical Type	**SQ CAGE INV RATED**	Starting Method	**LINE OR INVERTER**
Poles	**2**	Rotation	**REV**
Mounting	**RIGID**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**CAST IRON**	Shaft Type	**T**
Overall Length	**17.87 in**	Frame Length	**10 in**
Shaft Diameter	**1.13 in**	Shaft Extension	**2.85 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**035660-1000**	Connection Diagram	**A-EE7308T**



F2 LOCATION

NOTES:
1. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
2. CONDUIT BOX CAN ROTATED IN 90 ° STEPS.
3. CONDUIT BOX CAN MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180 °. THIS MODIFICATION CAN BE PERFORMED ONLY BY THE ORIGINAL EQUIPMENT MANUFACTURER, OR BY A FACILITY THAT IS COVERED UNDER UNDERWRITERS LABORATORIES INC. CATEGORY PTKQ. TITLED "MOTORS AND GENERATORS REBUILT FOR USE IN HAZARDOUS LOCATIONS."

DASH	FRAME	C	B	2F	2FF	BS
1000	184	17.87	8.61	7.50	5.50	3.75
800	182/184	15.87	6.61	5.50	4.50	2.75

NO	REVISION	BY & DATE	CHK
3	ADDED F2 VIEW.	ST 11/04/2011	AK
2	CHANGED 1000 FRAME FROM 182/184 TO 184 ISAAC 11-2933	KBB 6/28/2011	EH
1	CHG'D 1000 FRAME DIM FROM 2.75 TO 3.75	PN 2/10/2011	AJ

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

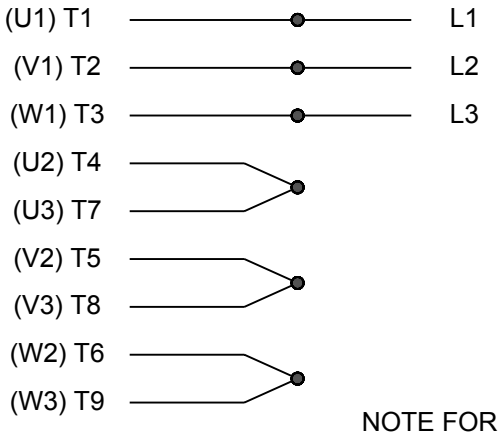
MARATHON ELECTRIC

TITLE OUTLINE - EPFC
180 FR.
MAT'L
FINISH
CAD FILE 035660
RFP
DIST WA - NLV

DRAWN CTO 07-05-2007
CHK ML 3/26/2008
APPR SW 3/26/2008
SCALE 7:16
REF
FMF
PREV

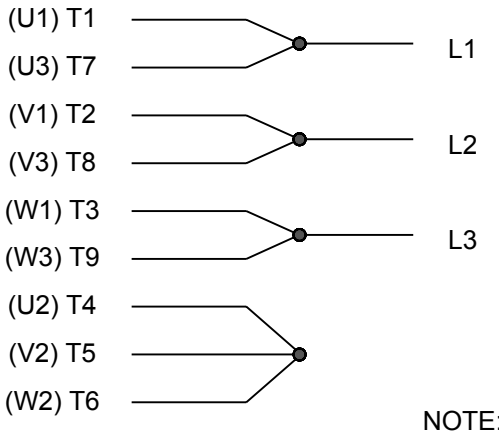
SIZE B
DRAWING NO 035660
REV 3

HIGH VOLTAGE

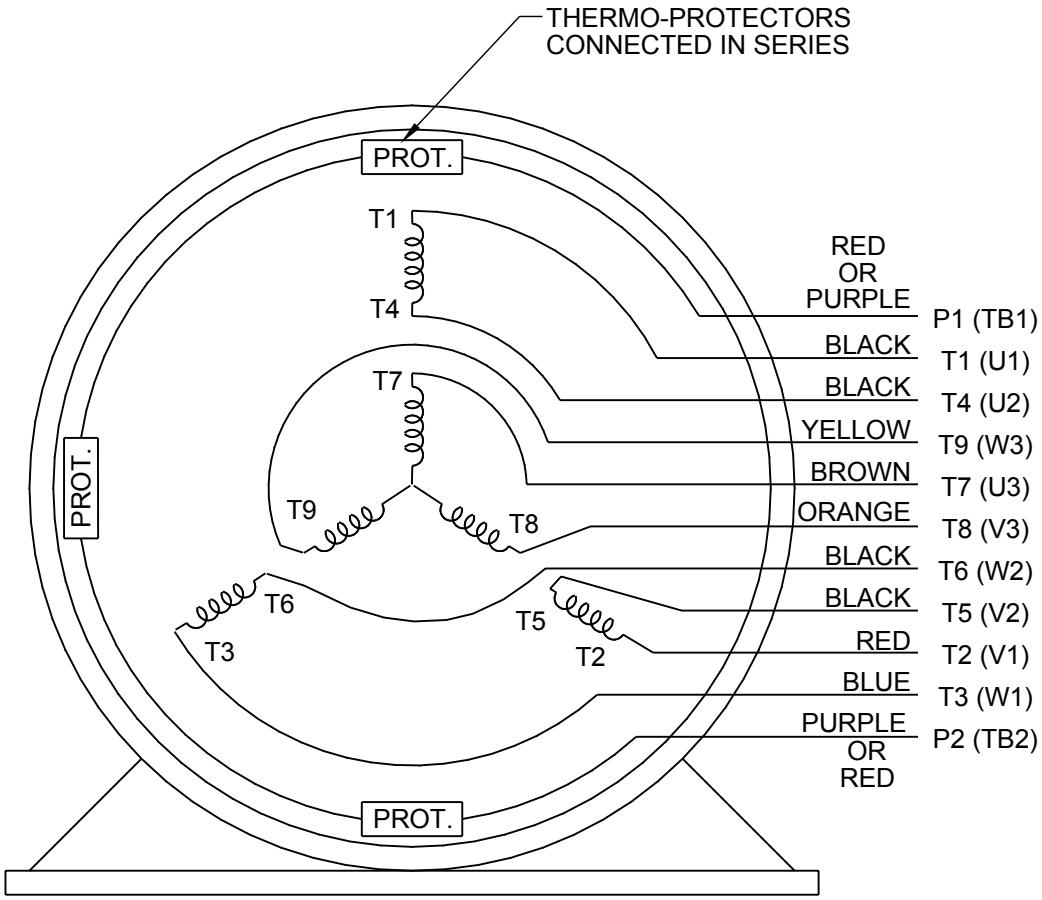


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION: R	REVISION BY: AJW	DATE: 07-17-2015		DRAWN BY: SMC	Regal Beloit America, Inc.
ECO: ECO-0081632	APPROVED BY: T. VUE	DATE: 07-17-2015		DATE: 05-13-1992	
ECO DESCRIPTION: REV'D IEC NOTATIONS PER IEC 60034-8				APPROVED BY: TB	DESCRIPTION: CONN DIAGRAM-INTERNAL, 3 PHASE - DUAL VOLTAGE MOTOR
				DATE: 05-13-1992	
				REFERENCE: EE7308/EE7300	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A; DRAWING NUMBER: EE7308T; SHEET: 1 OF 1

CERTIFICATION DATA SHEET

Model#:	184TTGN6501 AA	**WINDING#:**	1842180 FN 1
CONN. DIAGRAM:	A-EE7308T	**ASSEMBLY:**	F1 ONLY
OUTLINE:	035660-1000		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.70&2.24	3600	3505&2920	184T	EPFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	11.8/5.9&9/4.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40	3300

FULL LOAD EFF: 88.5&88.5	3/4 LOAD EFF: 89	1/2 LOAD EFF: 88.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88.5&86	**3/4 LOAD PF: 85.5**	**1/2 LOAD PF: 77.5**	86.5	SQ CAGE INV RATED	4 / 2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	90 / 45	15.7 LB-FT 209	24.2 LB-FT 323	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.3 LB-FT^2	5 LB-FT^2	15 SEC.	2	125 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	TRUE	EXP PROOF CL I GR D CL II GR F&G T3B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6206	BALL 6206	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

* NOTES *

DATE: 06/21/2017 11:41:36 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 20-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

184TTGN6501

Submittal

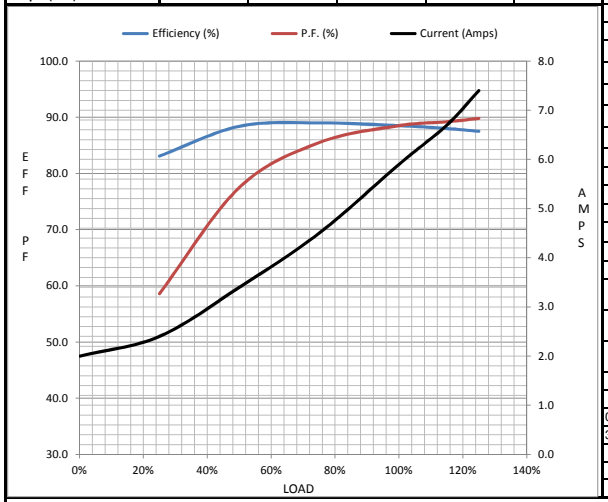
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.00	2.40	3.4	4.5	5.9	6.7	7.4	45.0	
Torque (ft-lb)	0.00	1.80	3.7	5.5	7.5	8.6	9.4	15.7	
RPM	3600	3580	3560	3535	3505	3,490	3480	0	
Efficiency (%)		83.1	88.4	89.0	88.5	88.0	87.5		
P.F. (%)	11.5	58.6	77.5	85.5	88.5	89.2	89.8	43.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	2914	3505	3600
Current (Amps)	45.0	43.5	28.7	5.9	2.00
Torque (ft-lb)	15.7	13.5	24.2	7.5	0.00



Information Block

HP	5.0
Sync. RPM	3600
Frame	184
Enclosure	TEFC
Construction	TFS
Voltage	230/460#190/380V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	50 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.30 Lb-Ft²
Ref Wdg	1842180 FN
Sound Pressure @ 1M	72 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	035660-1000
Conn. Diag	A-EE7308T

Additional Specifications:

0

365THFS8036

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.3920	1.1300	4.8110	1.8460	124.9600