PRODUCT INFORMATION PACKET

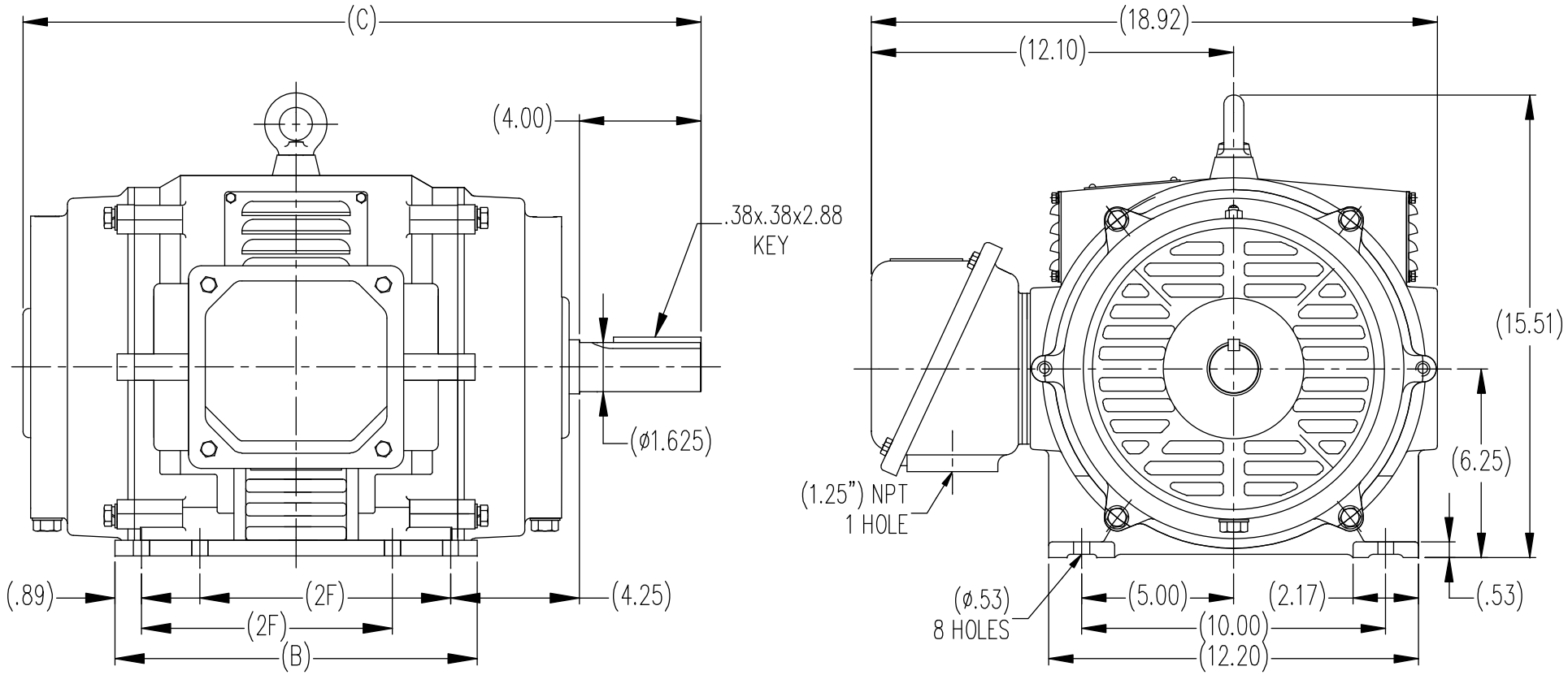
Model No: 254TTDCA6026
Catalog No: GT0022
15,1800,DP,254T,3/60/230/460
Open Drip Proof (ODP)

Nameplate Specifications

Output HP	**15 Hp**	Output KW	**11.2 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**37.0/18.5 A**	Speed	**1770 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**93 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Frame	**254T**
Enclosure	**Drip Proof**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**		

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Cast Iron**	Shaft Type	**T**
Overall Length	**22.64 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**4 in**	Assembly/Box Mounting	**F1/F2 Capable**
Outline Drawing	**SS620237**	Connection Diagram	**EE7308K**



DIMENSIONS IN TABLE ARE CONSIDERED (REFFERENCE)

(MAY NOT BE DRAWN TO SCALE)

254T	22.64	12.00	8.25
256T	24.22	13.59	10.00
FRAME	C	B	2F

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

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

REGAL REGAL-BELOIT CORPORATION

TITLE: OUTLINE
254/256T FR. – ODP – CAST IRON

MAT'L.

FINISH

RFP

CAD FILE: SS620237

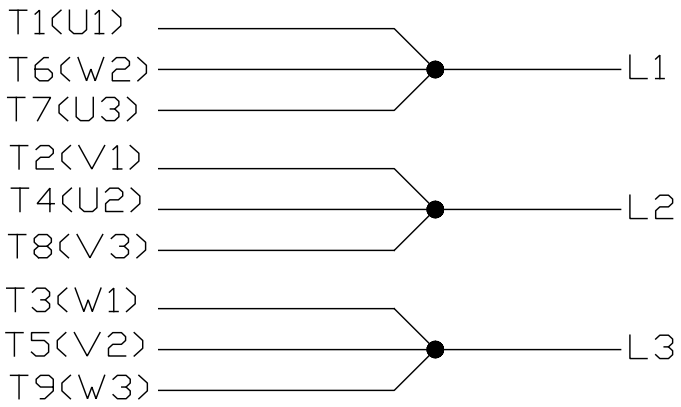
DIST

DRAWN MSG 12-25-2009
CHK TJW 12-16-2009
APPD SB 12-16-2009
SCALE 1=1
REF
FMF HUADA
PREV

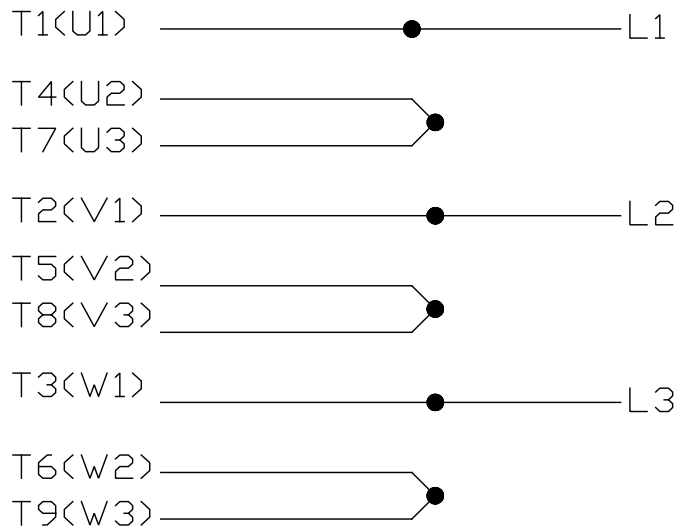
SIZE: B
DRAWING NO.: SS620237
REV.

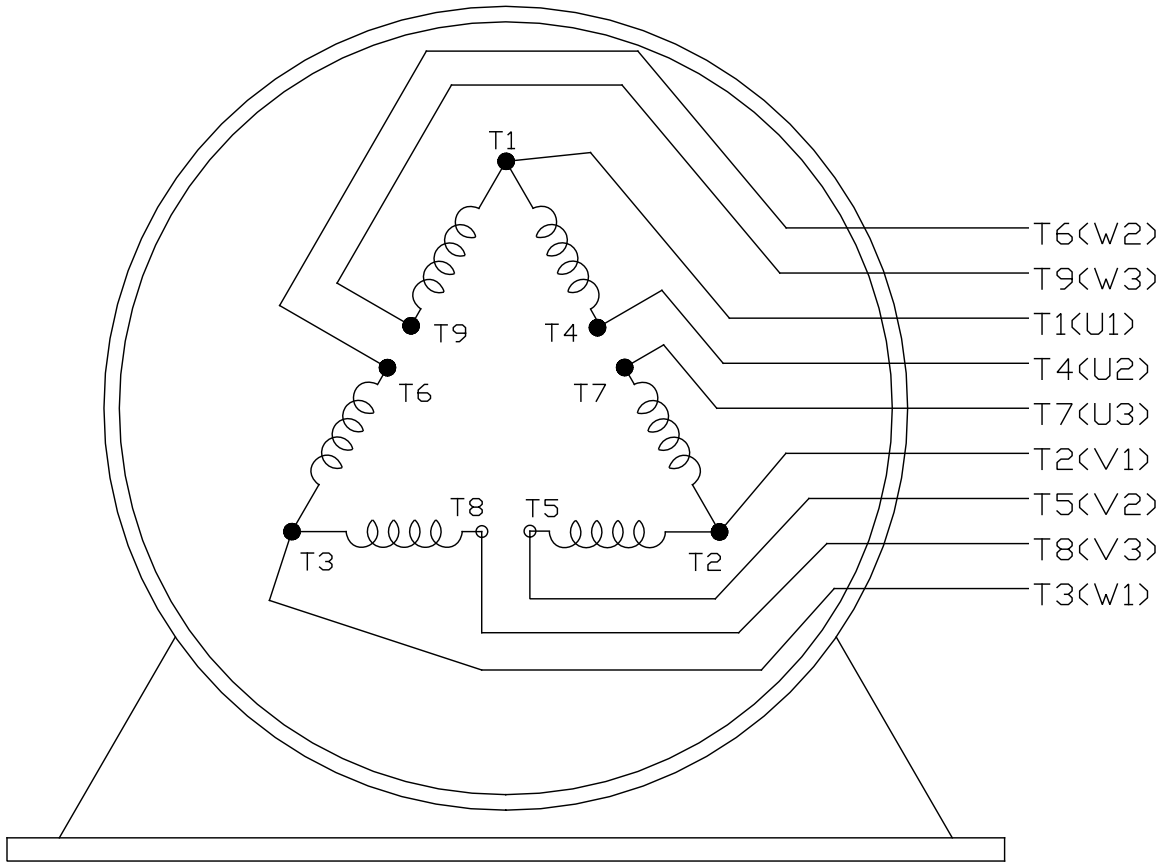
EE7308K

LOW VOLTAGE



HIGH VOLTAGE





VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK
E	CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS
7	REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998	
6	REDRAWN ON CADD	PGK 06-05-1997	

TOLERANCES UNLESS SPECIFIED: DEC. INCHES; .X ±.1; .XX ±.02; .XXX ±.005; .XXXX ±.0005; ANG ±7'30"

REGAL - BELOIT CORPORATION

DRAWN PGK 06-04-1997
CHK ML 06-05-1997
APPD GK 06-15-1997

TITLE: CONNECTION DIAGRAM
DELTA CON. - 3Ø - 9 LEADS

SCALE
REF
MAT'L.
FMF
FINISH
PREV
CAD FILE EE7308K
RFP
DIST

SIZE A | DRAWING NO. EE7308K | PAGE OF | REV. E

CERTIFICATION DATA SHEET

Model#:	254TTDCA6026 BD	**WINDING#:**	CHT25440004 NONE 1
CONN. DIAGRAM:	EE7308K	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS620237		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.5	1800	1770&1475	254T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	37/18.5&31.5/15.7	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 93&91	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 81&78	3/4 LOAD PF: 76	1/2 LOAD PF: 65	92.4	SQ CAGE INV RATED	16.4 / 8.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	220 / 110	89 LB-FT 200	120 LB-FT 270	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
74 dBA	84 dBA	2.2 LB-FT^2	90 LB-FT^2	20 SEC.	2	300 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6309	BALL 6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: VARIABLE 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 10:36:27 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 6/19/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

254TTDCA6026

Submittal

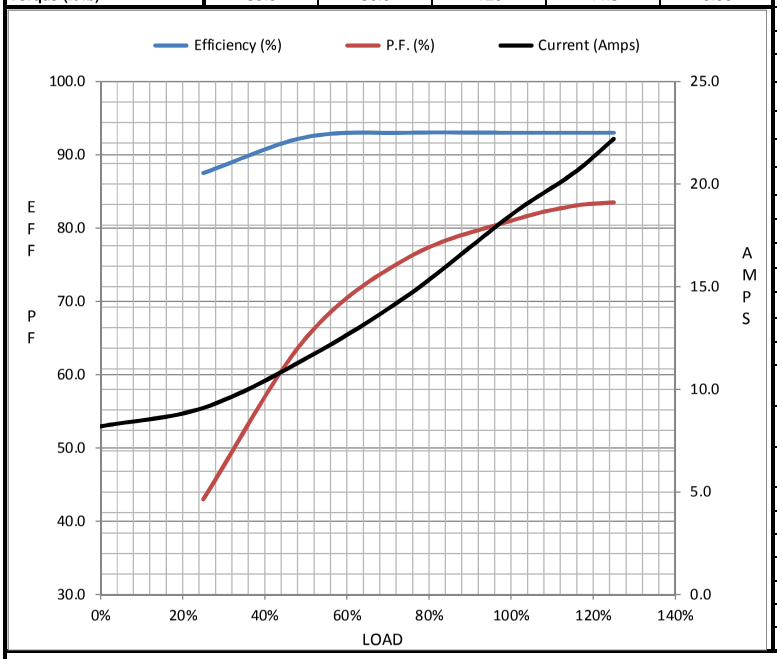
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	8.2	9.1	11.5	14.6	18.5	20.5	22.2	110	
Torque (ft-lb)	0.00	11.0	22.1	33.2	44.5	51.3	55.9	89.0	
RPM	1800	1790	1785	1777	1770	1,765	1762	0	
Efficiency (%)		87.5	92.4	93.0	93.0	93.0	93.0		
P.F. (%)	5.0	43.0	65.0	76.0	81.0	83.0	83.5	32.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1620	1770	1800
Current (Amps)	110	99.0	75.0	18.5	8.2
Torque (ft-lb)	89.0	80.0	120	44.5	0.00



Information Block

HP	15.0
Sync. RPM	1800
Frame	254
Enclosure	DP
Construction	TDC
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	40 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	2.20 Lb-Ft²
Ref Wdg	CHT25440004 NONE
Sound Pressure @ 1M	74 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS620237
Conn. Diag	EE7308K
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.4120	0.2340	1.3440	1.4530	30.4670

Speed -Torque Curve