PRODUCT INFORMATION PACKET

Model No: 256TTDCA6007
Catalog No: GT0427
25,3600,DP,256JM,3/60/230/460
JM

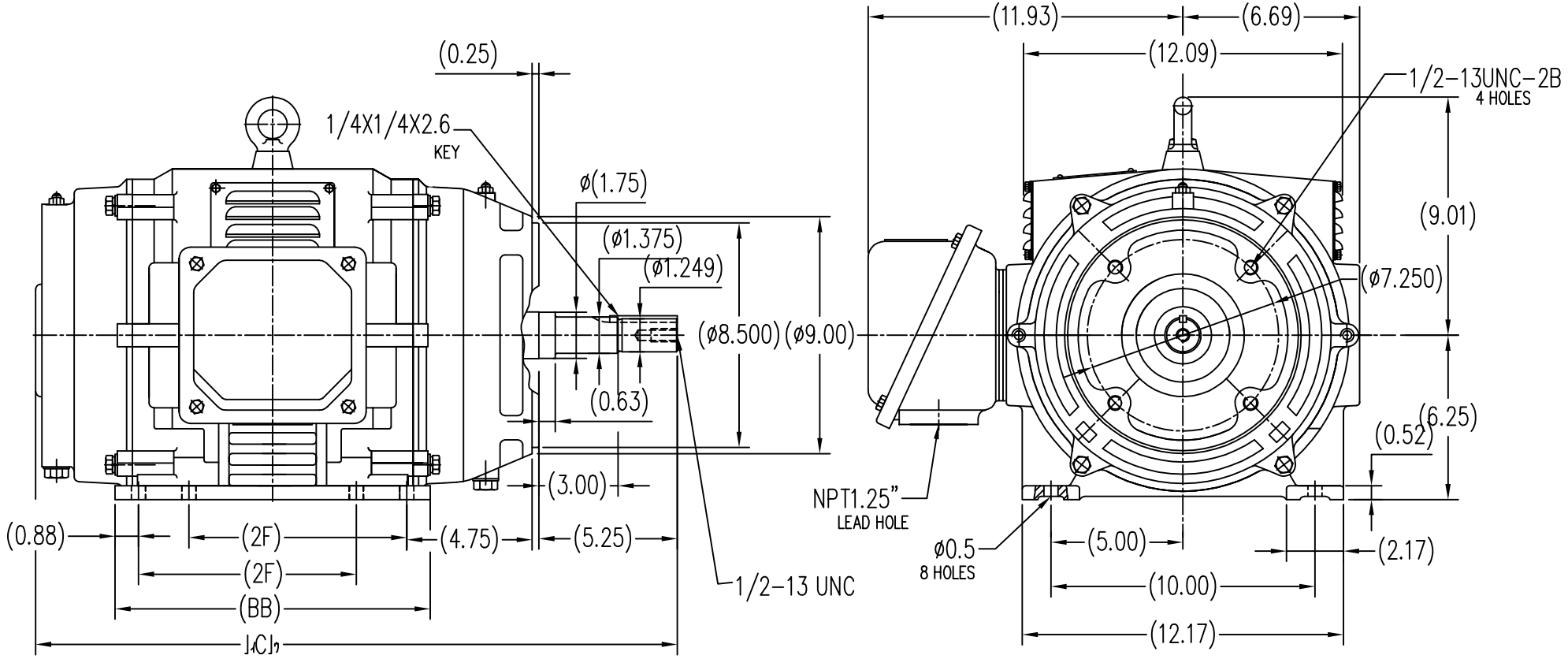
Nameplate Specifications

Output HP	**25 Hp**	Output KW	**18.7 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**56/28 A**	Speed	**3525 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**91.7 %**	Duty	**CONTINUOUS**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Frame	**256JM**
Enclosure	**DP**	Overload Protector	**NOT**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6209**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**		

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	**JM**
Overall Length	**25.99 in**	Shaft Diameter	**1.25 in**
Shaft Extension	**5.25 in**	Assembly/Box Mounting	**F1/F2 CAPABLE**
Outline Drawing	**B-SS620313**	Connection Diagram	**EE7308K**

SS620313



254T	8.25	12.00	24.41
256T	10.00	13.59	25.99
FRAME	2F	BB	C

NO.	REVISION	BY & DATE	CHK

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

REGAL-BELOIT CORPORATION

TITLE: OUTLINE 254/256T FR-JM-CAST IRON

MAT'L.

FINISH

CAD FILE: JM 254-256

RFP

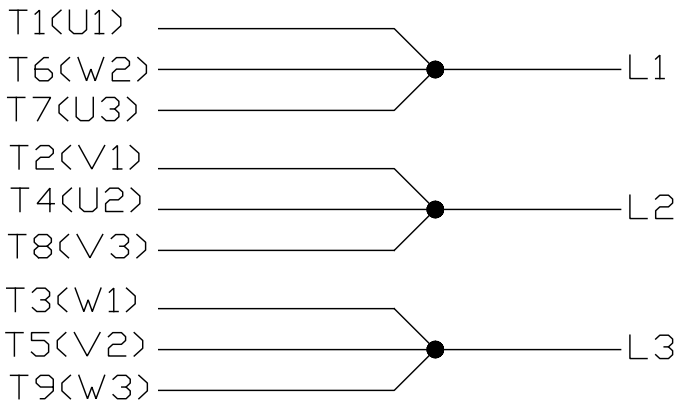
DIST

DRAWN	ZYH 6-8-2010
CHK	HZJ 6-8-2010
APPD	CL 6-8-2010
SCALE	1=6
REF	
FMF	HWADA
PREV	

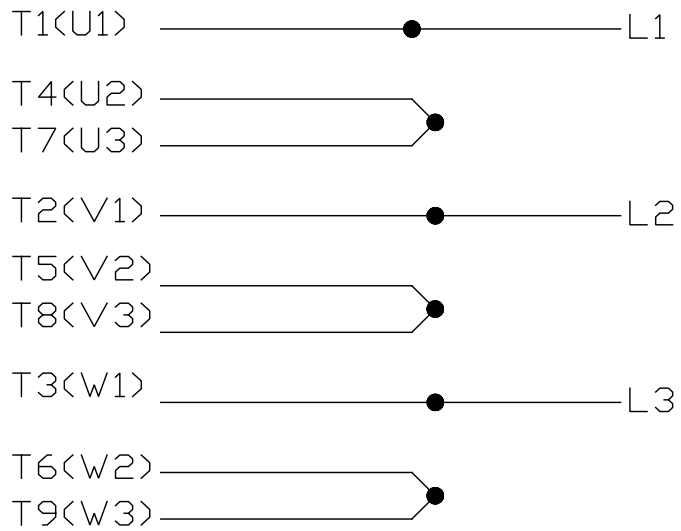
SIZE	DRAWING NO.	REV.
B	SS620313	

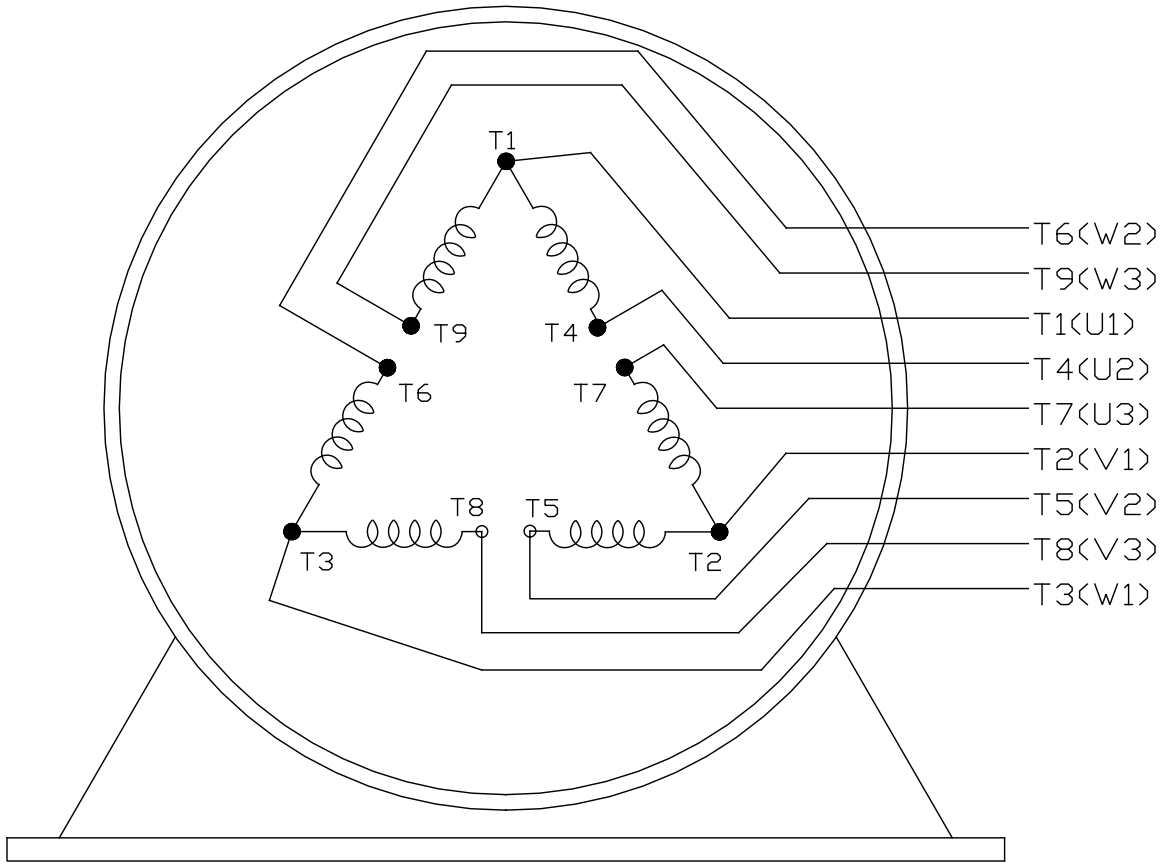
EE7308K

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#:	256TTDCA6007 AA	**WINDING#:**	CHT25620002 NONE 1
CONN. DIAGRAM:	EE7308K	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS620313		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	3600	3525&2930	256JM	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	56/28&55/27.5	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.0	40	3300

FULL LOAD EFF: 91.7&91	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89&89	3/4 LOAD PF: 87	1/2 LOAD PF: 81	91	SQ CAGE INV RATED	16 / 8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37 LB-FT	364 / 182	70 LB-FT 190	100 LB-FT 270	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	1.6 LB-FT^2	- LB-FT^2	15 SEC.	2	360 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6209	BALL 6208	POLYREX EM	JM	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 09:47:02 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 6/20/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

256TTDCA6007

Submittal

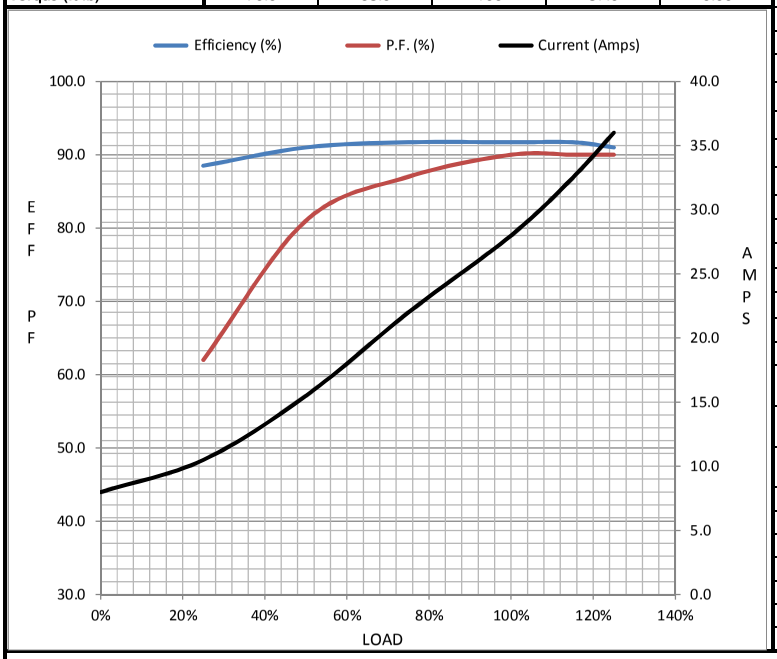
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	8.0	10.5	15.5	22.0	28.0	32.5	36.0	182	
Torque (ft-lb)	0.00	9.2	18.5	27.7	37.0	42.7	46.5	70.0	
RPM	3600	3585	3570	3560	3545	3,525	3505	0	
Efficiency (%)		88.5	91.0	91.7	91.7	91.7	91.0		
P.F. (%)	8.0	62.0	81.0	87.0	90.0	90.0	90.0	38.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3300	3545	3600
Current (Amps)	182	165	110	28.0	8.0
Torque (ft-lb)	70.0	63.0	100	37.0	0.00



Information Block

HP	25.0
Sync. RPM	3600
Frame	256
Enclosure	DP
Construction	TDC
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	30 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	1.60 Lb-Ft²
Ref Wdg	CHT25620002 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	B-SS620313
Conn. Diag	EE7308K
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2210	0.1420	0.7780	0.9480	34.5190

Speed -Torque Curve