PRODUCT INFORMATION PACKET

Model No: 256TTFCA6003
Catalog No: GT1224
20,3600,TEFC,256TC,3/60/208-230/460
Totally Enclosed Fan Cooled (TEFC)

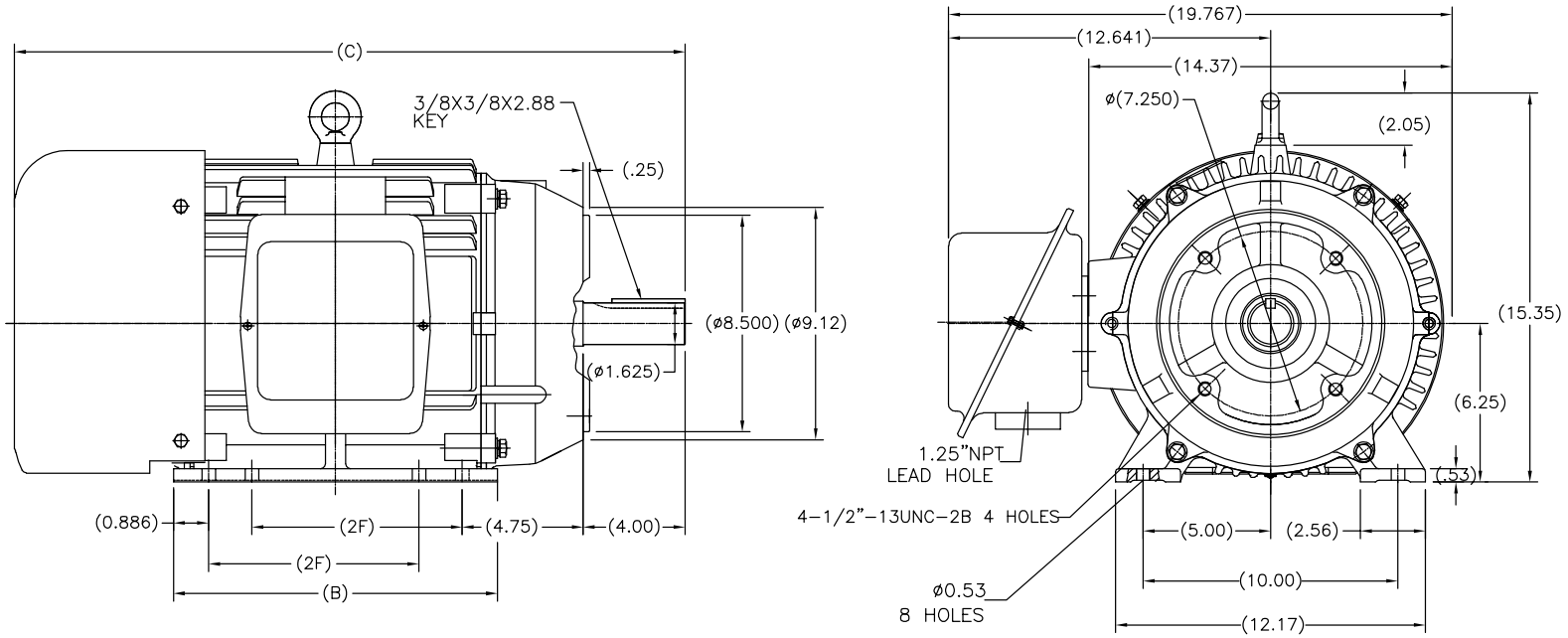
Nameplate Specifications

Output HP	**20 Hp**	Output KW	**14.9 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**46.0/23.0 A**	Speed	**3550 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**91 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Frame	**256TC**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6209**
Opp Drive End Bearing Size	**6209**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**2**	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	**27.8 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**4 in**	Assembly/Box Mounting	**F1/F2 Capable**
Outline Drawing	**B-SS620298**	Connection Diagram	**A-EE7308K**

SS620298

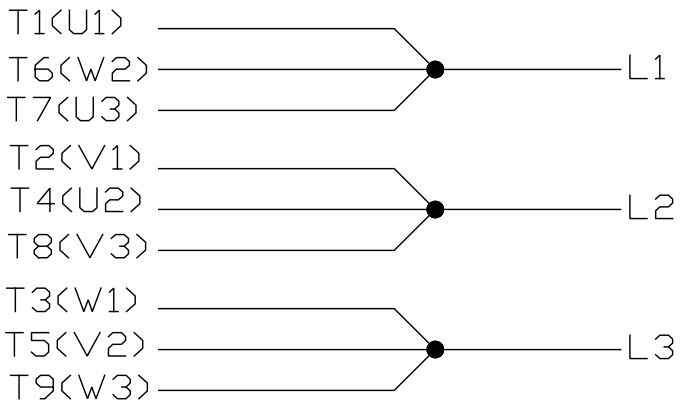


254	26.60	12.717	8.25
256	27.80	13.898	10.00
FRAME	C	B	2F

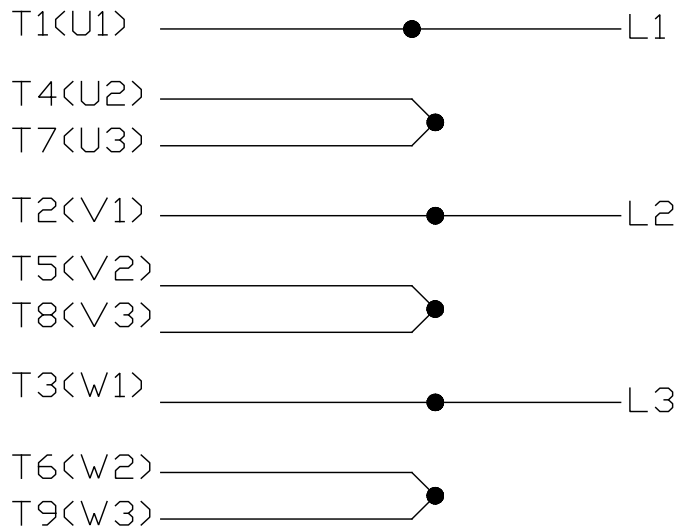
				TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN ZYH 04-22-2012
				DEC.	INCHES			CHK HZJ 04-22-2012
				.X	±.1			APPD WGH 04-22-2012
				.XX	±.03	TITLE	OUTLINE	SCALE 1=4
				.XXX	±.005		254/256TC FR-TEFC-CAST IRON	REF
D	UPDATED DWG SENT FROM CHINA ECO-0074012	WGJ 5-6-2015	EMH	.XXXX	±.0005	MAT'L.		FMF HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH		PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP			CAD FILE SS620298	SIZE B	DRAWING NO. SS620298 REV. D
			DIST					

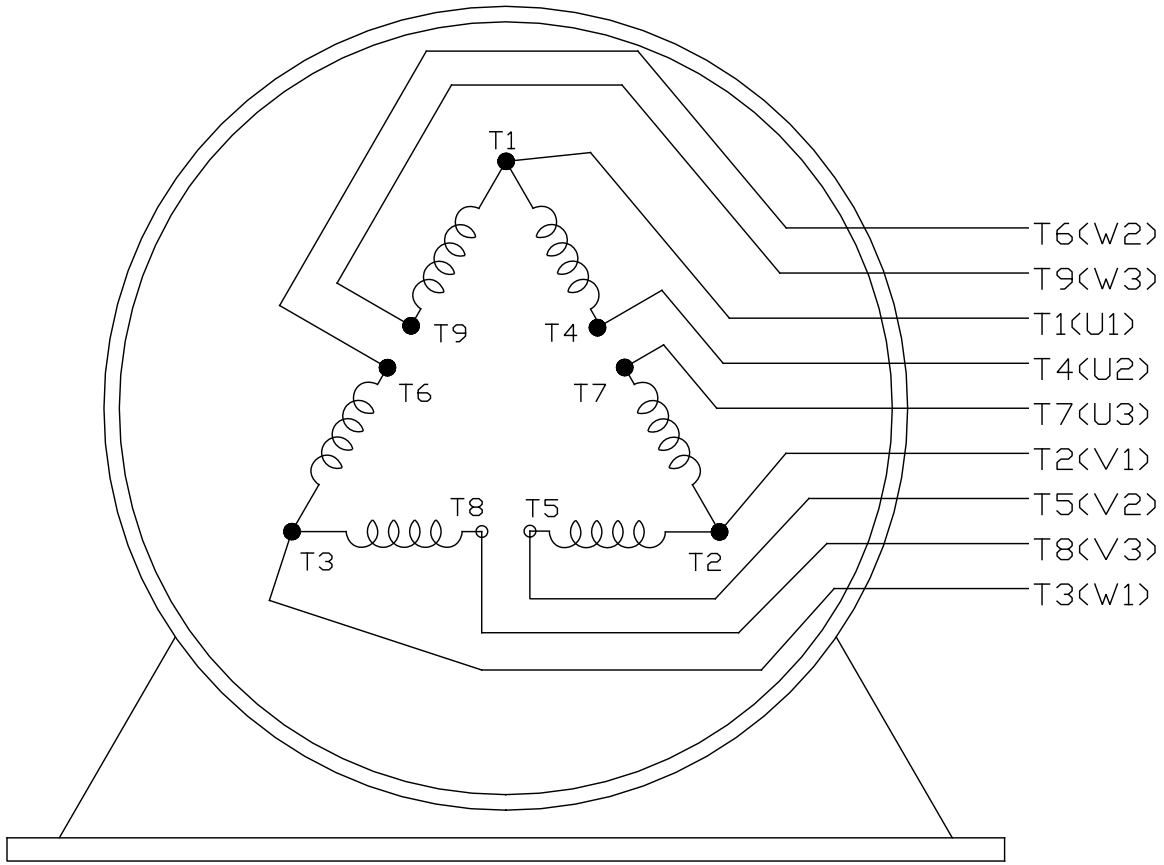
EE7308K

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#:	256TTFCA6003 AA	**WINDING#:**	CHT25620001 NONE 1
CONN. DIAGRAM:	A-EE7308K	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS620298		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	3600	3550&2955	256TC	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	46/23&41.5/20	ACROSS THE LINE	CONTINUOUS	F7	1.15/1.0	40	3300

FULL LOAD EFF: 91&91	3/4 LOAD EFF: 91	1/2 LOAD EFF: 90.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&88	3/4 LOAD PF: 85	1/2 LOAD PF: 79	90.2	SQ CAGE IND RUN	13.6 / 6.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.6 LB-FT	290 / 145	65 LB-FT 218	80 LB-FT 270	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	1.8 LB-FT^2	- LB-FT^2	20 SEC.	2	480 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 6209	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: NONE
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

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DATE: 06/21/2017 10:49:10 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 16-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

256TTFCA6003

Submittal

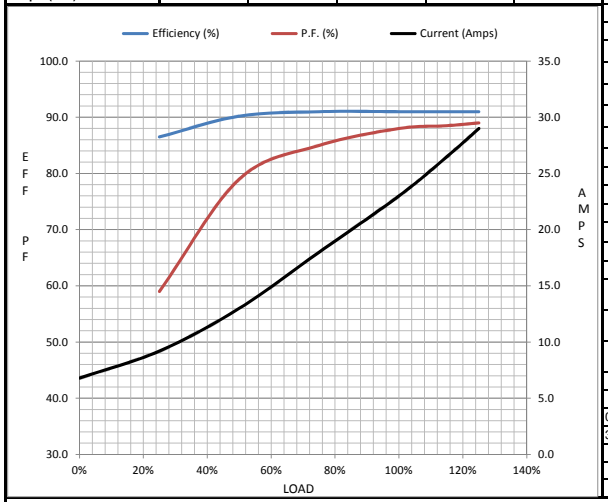
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.8	9.2	13.0	18.0	23.0	26.5	29.0	145	
Torque (ft-lb)	0.00	7.3	14.7	22.0	29.6	34.0	37.0	65.0	
RPM	3600	3588	3575	3565	3550	3,542	3535	0	
Efficiency (%)		86.5	90.2	91.0	91.0	91.0	91.0		
P.F. (%)	10.0	59.0	79.0	85.0	88.0	88.5	89.0	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3550	3600
Current (Amps)	145	130	85.0	23.0	6.8
Torque (ft-lb)	65.0	42.0	80.0	29.6	0.00



Information Block	
HP	20.0
Sync. RPM	3600
Frame	256
Enclosure	TEFC
Construction	TFC
Voltage	230/460#190/380V
Frequency	60 Hz
Design	A
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	50 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	1.80 Lb-Ft²
Ref Wdg	CHT25620001 NONE
Sound Pressure @ 1M	72 dBA
VFD Rating	NONE
Outline Dwg	B-SS620298
Conn. Diag	A-EE7308K
Additional Specifications:	
0	
365THFS8036	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2270	0.1630	0.9230	1.2780	46.1500

Speed -Torque Curve