PRODUCT INFORMATION PACKET

Model No: C213T34FB46A
Catalog No: B199009.00
..7.5 HP..3600.213T.TEFC.230/460V..60Hz...1.15SF..C213T34FB46A.....
Totally Enclosed Fan Cooled (TEFC)

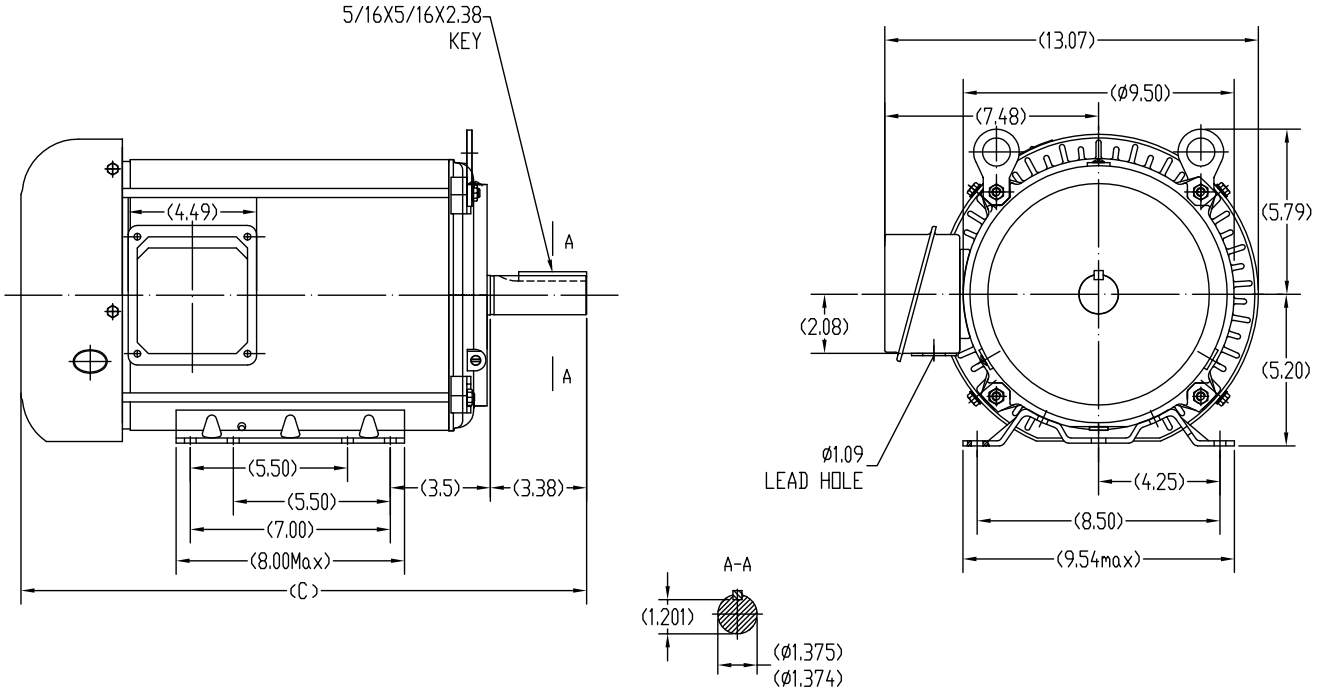
Nameplate Specifications

Output HP	**7.50 Hp**	Output KW	**5.6 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**18.4/9.2 A**	Speed	**3520 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**89.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Frame	**213T**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**T**
Overall Length	**18.35 in**	Frame Length	**9.65 in**
Shaft Diameter	**1.375 in**	Shaft Extension	**3.38 in**
Assembly/Box Mounting	**F1/F2 CAPABLE**		
Outline Drawing	**SS620737-213T**	Connection Diagram	**EE7308**

SS620737



213T	18.35
215T	19.95
FRAME	C

NO.	REVISION	BY & DATE

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

REGAL REGAL-BELOIT CORPORATION

TITLE OUTLINE
213T/215T TEFC ROLLED STEEL

MAT'L.
FINISH
RFP
CAD FILE SS620737
DIST

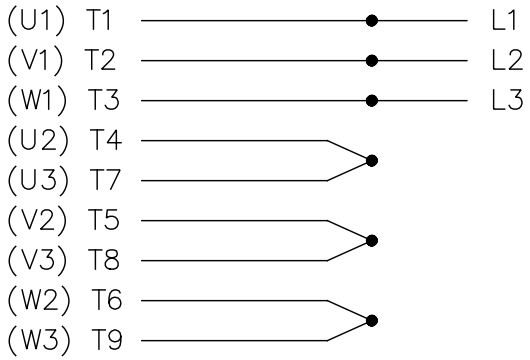
DRAWN WY 25-2-2016
CHK ZXW 25-2-2016
APPD ZYH 25-2-2016
SCALE 1=4
REF
FMF Wuxi
PREV

SIZE B
DRAWING NO. SS620737
REV.

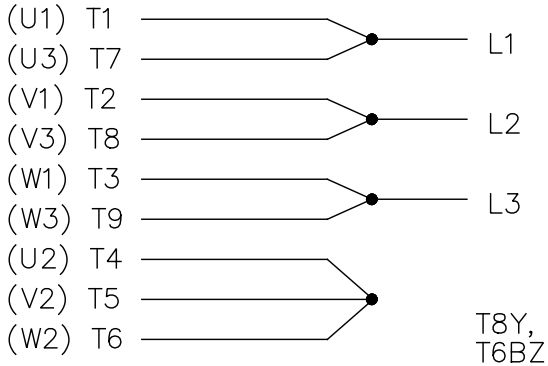
EE7308

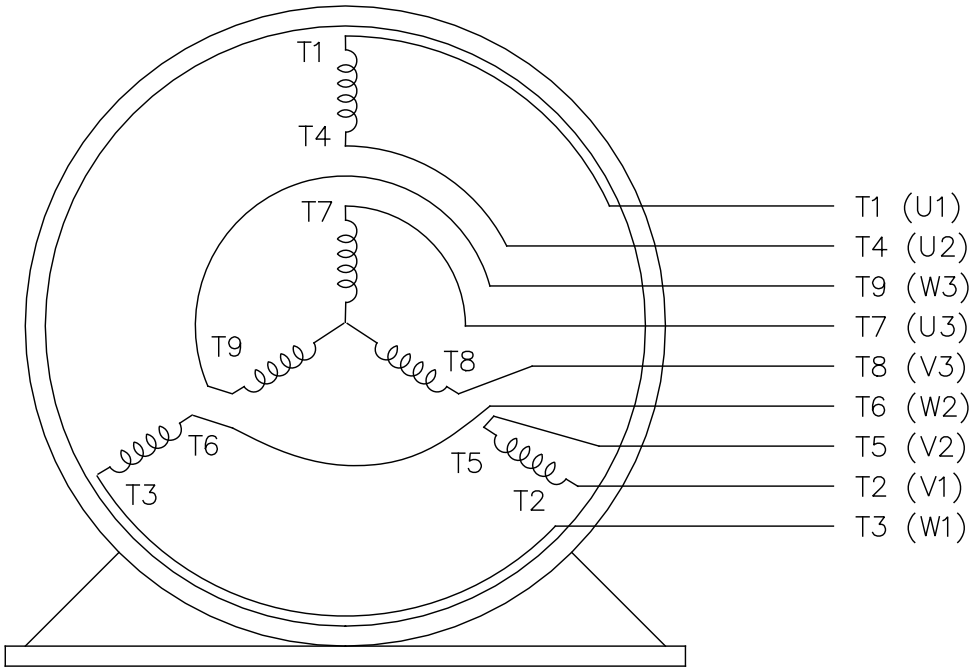
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





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

ANG	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	DRAWING NO. PAGE OF	REV.
A	EE7308	5

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7308 **CAT #:** B199009.00
OUTLINE: SS620737
WINDING: HE31322011 NONE 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	3600	3520	213T	TEFC	TFC	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	18.4/9.2&15/7.5	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	88.0	GTD EFF	ELECT. TYPE
F.L. PF	86.5	3/4 LD PF	82.5	1/2 LD PF	73.5	88.5	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
11.2 LB-FT	60.0	20.0 LB-FT 179%	32.0 LB-FT 286%	50	

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
72 dBA	81 dBA	0.50 LB-FT²	12 LB-FT²	20 SEC.	2	146 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6307	BALL 6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
1.036	0.662	2.884	1.652	75.373	0.150	ODE

NOTES
*
*
*

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

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE **HZ:**
UL: Y-(LEESON UL REC)

DATE: 2/1/2018

Data Sheet

Date: 2/1/2018

LEESON

B199009.00

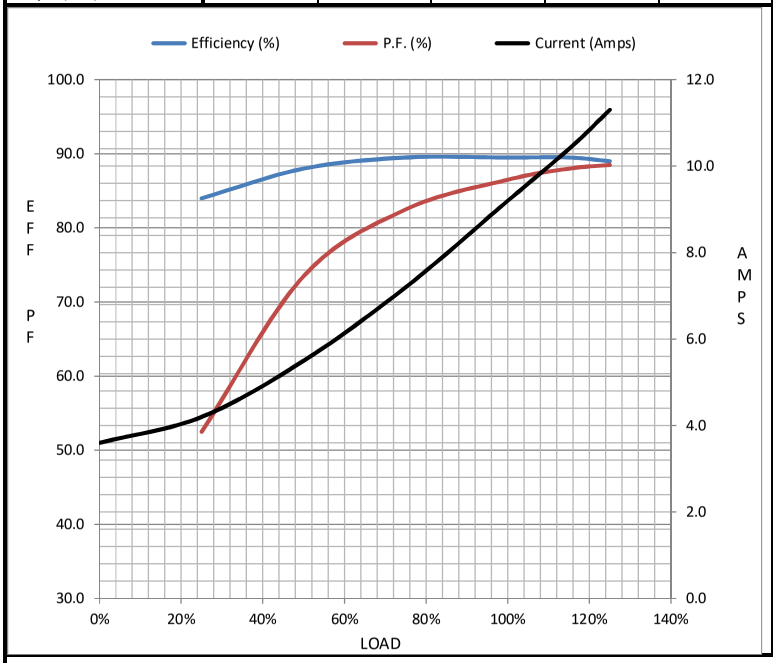
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.6	4.2	5.5	7.2	9.2	10.4	11.3	60.0	
Torque (ft-lb)	0.00	2.80	5.5	8.4	11.2	12.9	14.1	20.0	
RPM	3600	3580	3560	3542	3520	3,508	3498	0	
Efficiency (%)		84.0	88.0	89.5	89.5	89.5	89.0		
P.F. (%)	11.0	52.5	73.5	82.5	86.5	88.0	88.5	44.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3145	3520	3600
Current (Amps)	60.0	51.0	34.0	9.2	3.6
Torque (ft-lb)	20.0	17.5	32.0	11.2	0.00



Information Block

HP	7.5	
Sync. RPM	3600	
Frame	213	
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	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.50	Lb-Ft²
Ref Wdg	HE31322011 NONE	
Sound Pressure @ 1M	72	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	SS620737	
Conn. Diag	EE7308	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.0360	0.6620	2.8840	1.6520	75.3730

Speed -Torque Curve