

PRODUCT INFORMATION PACKET

Model No: 215TTFW16001

Catalog No: E2118

XRI® General Purpose General Purpose Motor, 10 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 215T Frame, TEFC



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Nameplate Specifications

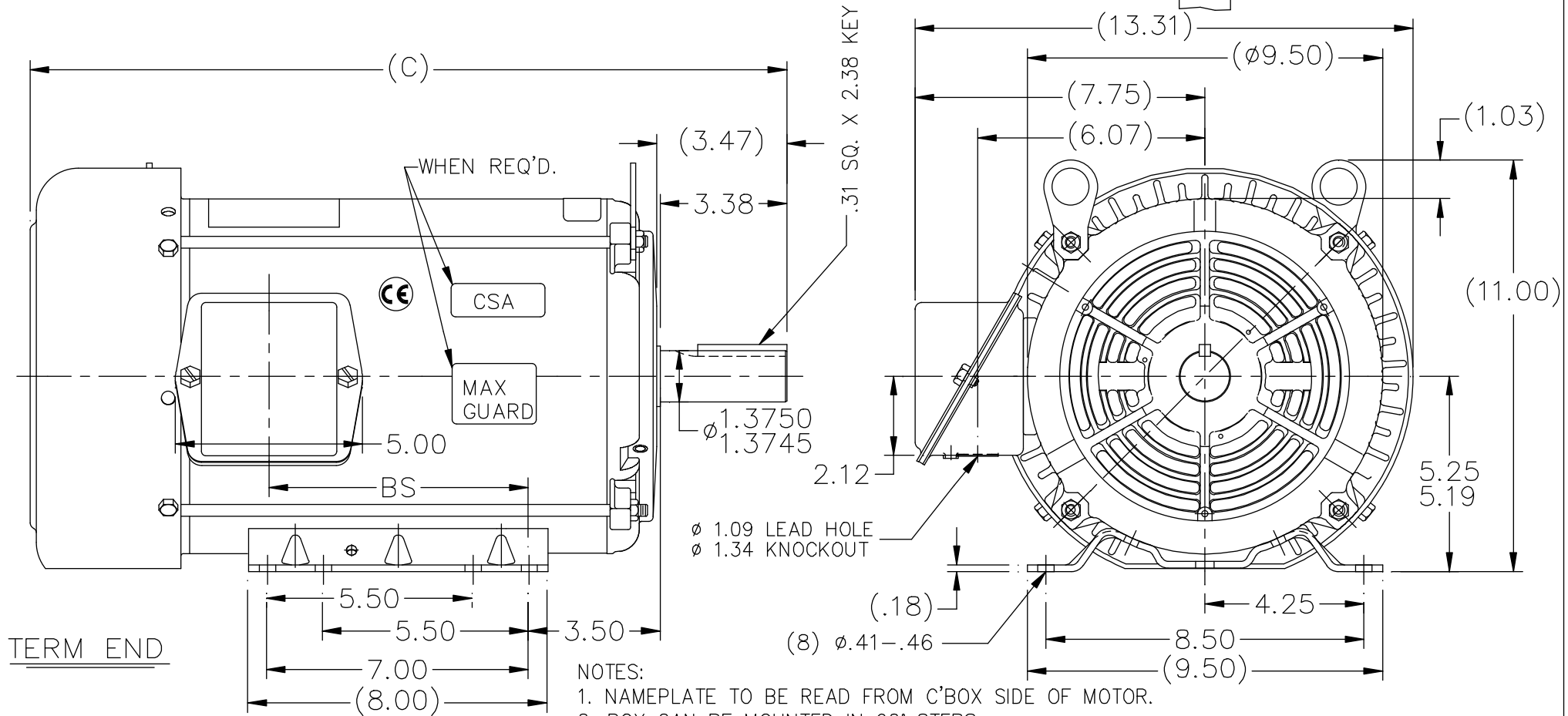
Phase	3	Output HP	10 & 10 Hp
Output KW	7.5 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3535 & 2930 rpm	Service Factor	1.15 & 1.0
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	23.6/11.8 & 28/14 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	21.48 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS89166-1240	Connection Drawing	A-EE7308

DASH	FR.	C	BS	MOUNTING
965	213T	18.73	5.43	
1115	213/15T	20.23	6.93	
1240	213/15T	21.48	8.18	F1 ONLY

SS89166



TERM END

- NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. BOX CAN BE MOUNTED IN 90° STEPS.
 3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED)

NO.		REVISION		BY & DATE		CHK		ANG		FINISH		DRAWN R/JW 02-09-2005	
												CHK ML 02-09-2005	
												APPD LC 02-09-2005	
												SCALE 1=4	
												REF MU64658	
												FMF	
												PREV SS88286	
												DRAWING NO. PAGE OF	
												SS89166	
												REV.	

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RFP 02-09-2005
DIST LB



TITLE OUTLINE
210T FR. - BB - TS - TEFC - R/S

MAT'L.

CAD FILE SS89166

SIZE
A



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					

CERTIFICATION DATA SHEET

Model#: 215TTFW16001 AA
CONN. DIAGRAM: A-EE7308
OUTLINE: A-SS89166-1240

WINDING#: K215295 R8 6
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&10	7.5&7.5	3600	3535&2930	215T	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	23.6/11.8&28/ 14	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 91.7&91	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87&90	3/4 LOAD PF: 86	1/2 LOAD PF: 78.5	90.2	SQ CAGE IND RUN	7 / 3.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	160 / 80	30 LB-FT 201	46 LB-FT 309	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.65 LB-FT^2	18 LB-FT^2	15 SEC.	2	140 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	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6307	6206						

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

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

DATE: 06/22/2017 08:07:55 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 19-06-2017
Customer: _____
Attention: _____
Submitted by: FAREEDA DUDEKULA



215TTFW16001

Submittal

Data @ **460 V**

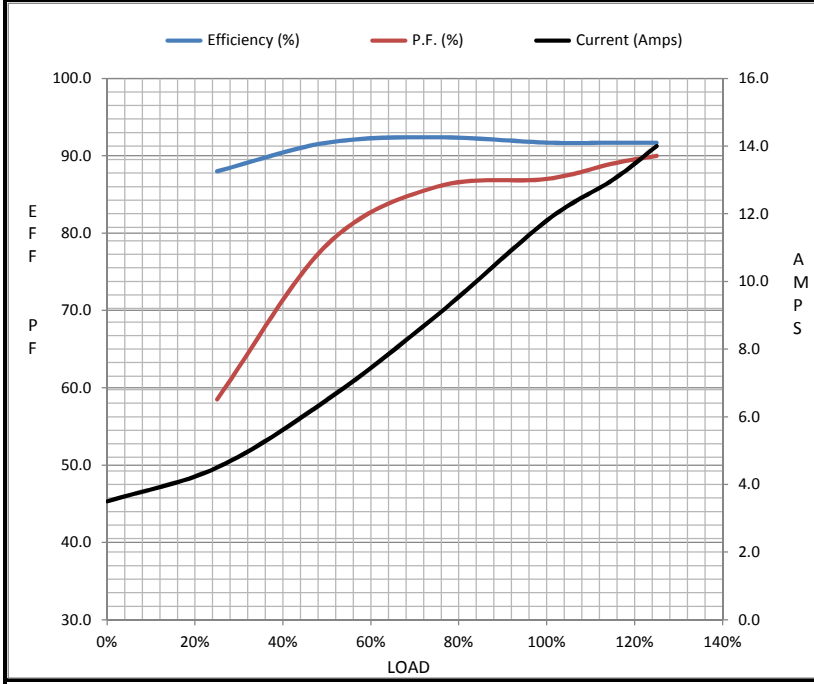
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.5	4.5	6.5	9.0	11.8	13.0	14.0	80.0
Torque (ft-lb)	0.00	3.5	7.5	11.0	14.9	17.0	18.5	30.0
RPM	3600	3585	3570	3555	3535	3,530	3525	0
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7	
P.F. (%)	8.5	58.5	78.5	86.0	87.0	89.0	90.0	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3175	3535	3600
Current (Amps)	80.0	72.0	50.0	11.8	3.5
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00

Information Block				
HP	10.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/38(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 wk ²	0.65 Lb-Ft ²			
Ref Wdg	K215295 R8			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS89166-1240			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5230	0.3980	1.8060	2.0620	72.1360



Speed - Torque Curve

