

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTFW6026

Catalog No: E2019

XRI® General Purpose General Purpose Motor, 10 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,
1800 & 1500 RPM, 215TC Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

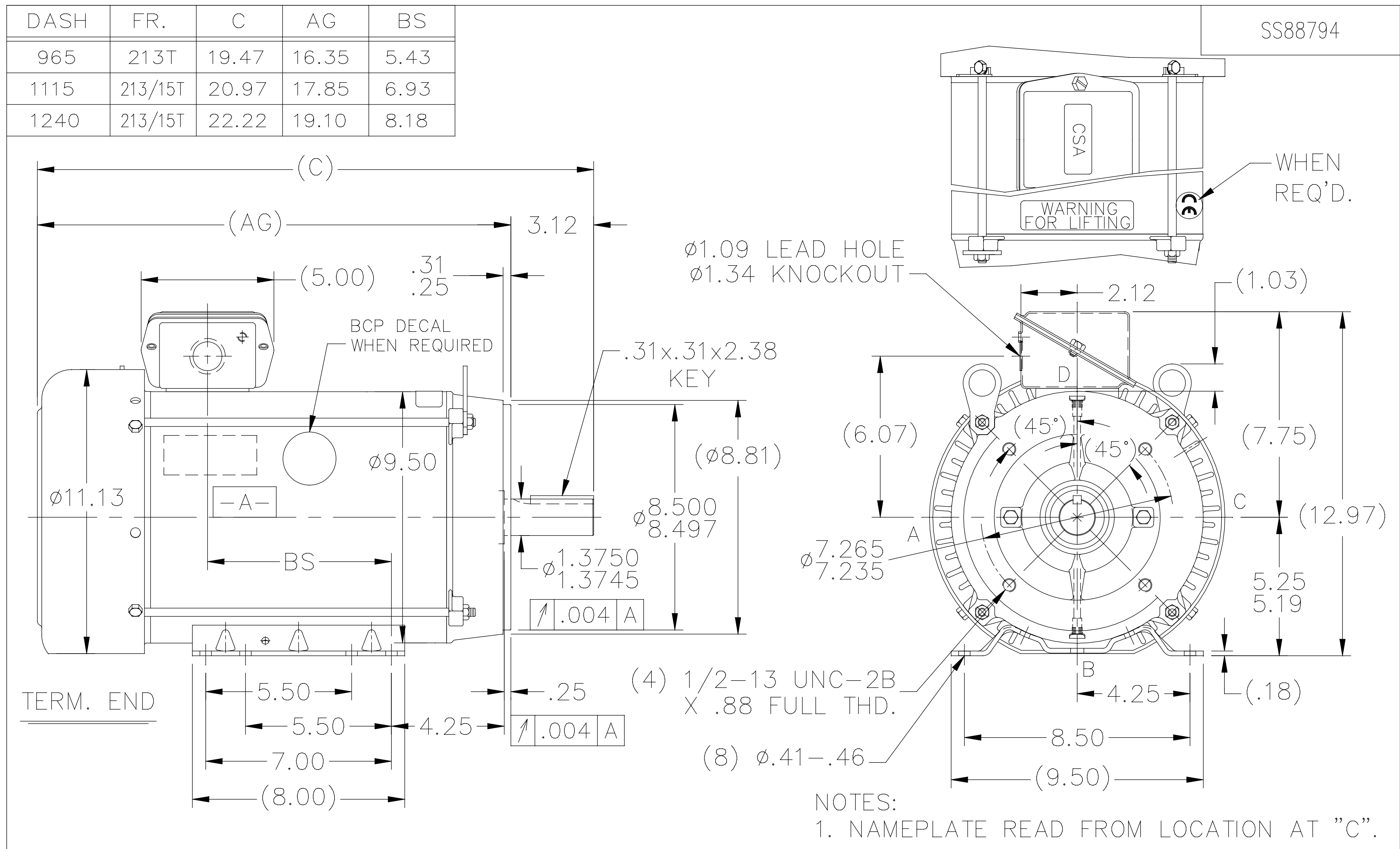
RegalRexnord


Nameplate Specifications

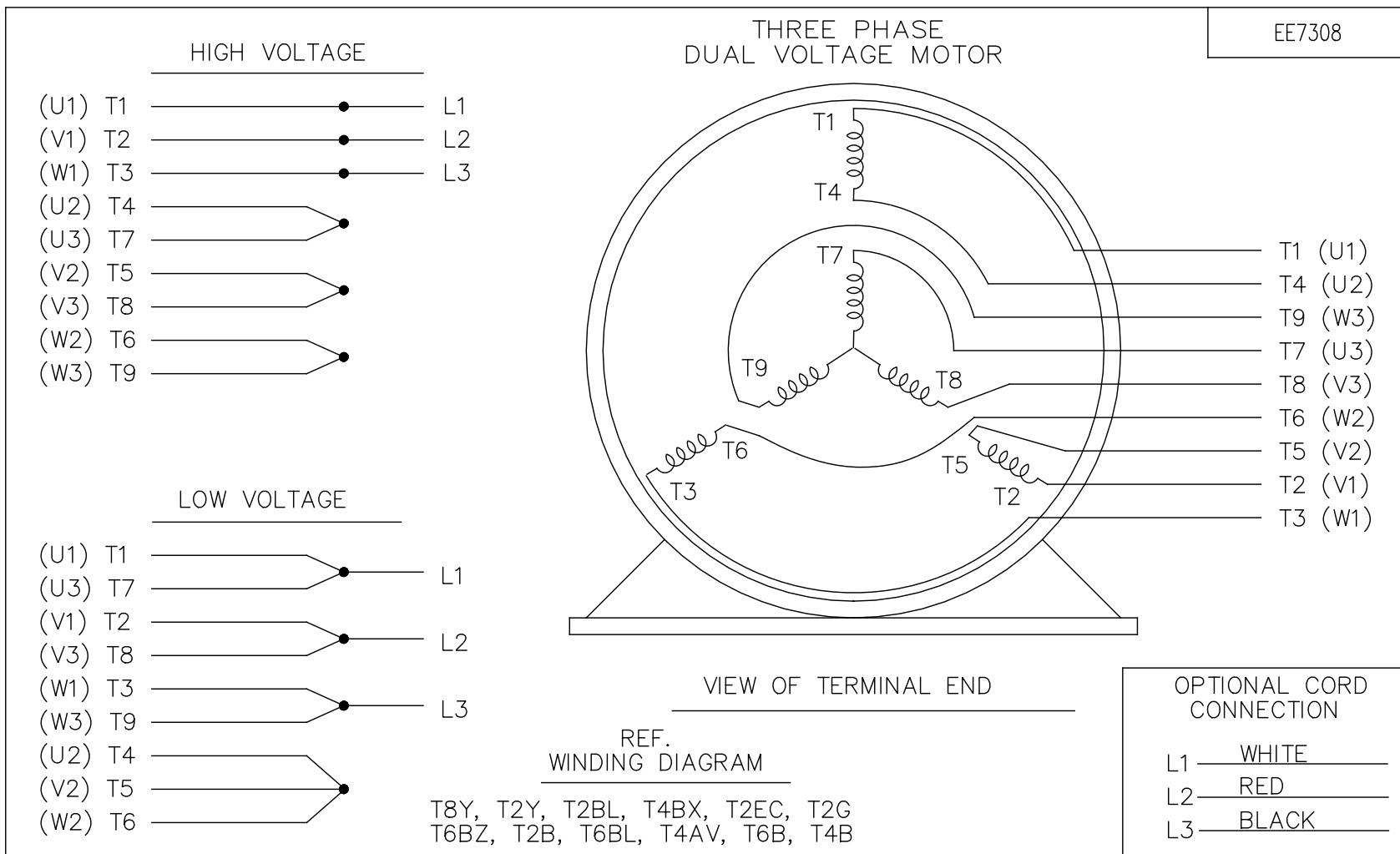
Phase	3	Output HP	10 & 10 Hp
Output KW	7.5 & 7.5 kW	Voltage	230/460 & 200/400 V
Speed	1760 & 1445 rpm	Service Factor	1.15 & 1.0
Frame	215TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	25.6/12.8 & 29.6/14.8 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6309	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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.9 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	22.22 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.12 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 10:1		
Connection Drawing	A-EE7308	Outline Drawing	A-SS88794-1240



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.				DRAWN TAT 08-13-2004			
				DEC.	INCHES					CHK ML 08-13-2004			
				.X	±.1					APPD TB 08-13-2004			
				.XX	±.03					SCALE 1=5			
				.XXX	±.005					REF			
1	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015		.XXXX	±.0005	MAT'L.				FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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 ss88794				SIZE	DRAWING NO. PAGE OF		REV.	
			DIST LB						A	SS88794		1	



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		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		SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	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 ee7308		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP				A	EE7308			5

CERTIFICATION DATA SHEET

Model#: 215TTFW6026 BB
 CONN. DIAGRAM: A-EE7308
 OUTLINE: A-SS88794-1240

WINDING#: K2154425 NONE 1
 ASSEMBLY: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&10	7.5&7.5	1800	1760&1445	215TC	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/ 400	25.6/12.8&29. 6/14.8	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 91.7&88.5	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80&82	3/4 LOAD PF: 75	1/2 LOAD PF: 65	90.2	SQ CAGE INV RATED	11 / 5.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.8 LB-FT	160 / 80	65 LB-FT 218	90 LB-FT 302	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	1.1 LB-FT^2	50 LB-FT^2	25 SEC.	2	150 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	BALL						
6309	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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: CONSTANT 10:1		
INV. HP SPEED RANGE: 1.5 X BASE SPEED		
ENCODER: NONE		
NONE NONE		
NONE NONE PPR		
BRAKE: NONE NONE		
NONE P/N NONE		
NONE NONE		
- FT-LB	NONE V	NONE Hz

*
N
O
T
E
S
*

DATE: 06/22/2017 08:25:50 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 15-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

215TTFW6001



Submittal

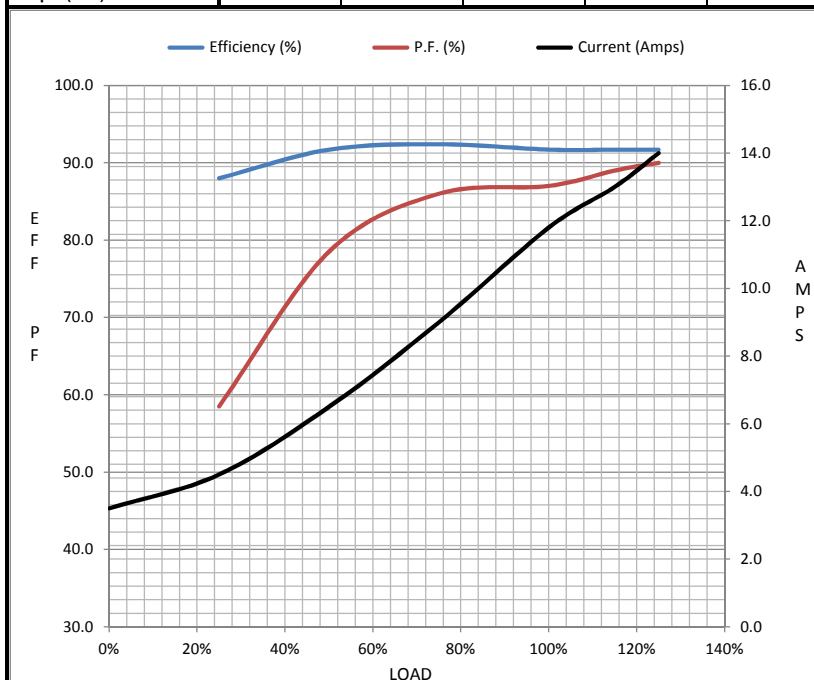
Data @ 460 V

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	3530	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	Information Block	
Speed (RPM)	0	1800	3175	3535	3600	HP	10.0
Current (Amps)	80.0	72.0	50.0	11.8	3.5	Sync. RPM	3600
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00	Frame	215



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 wk²	0.65 Lb-Ft²			
Ref Wdg	K215295 R8			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS88794-1240			
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

