

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDWD14020

Catalog No: U201B

Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
215JP Frame, DP



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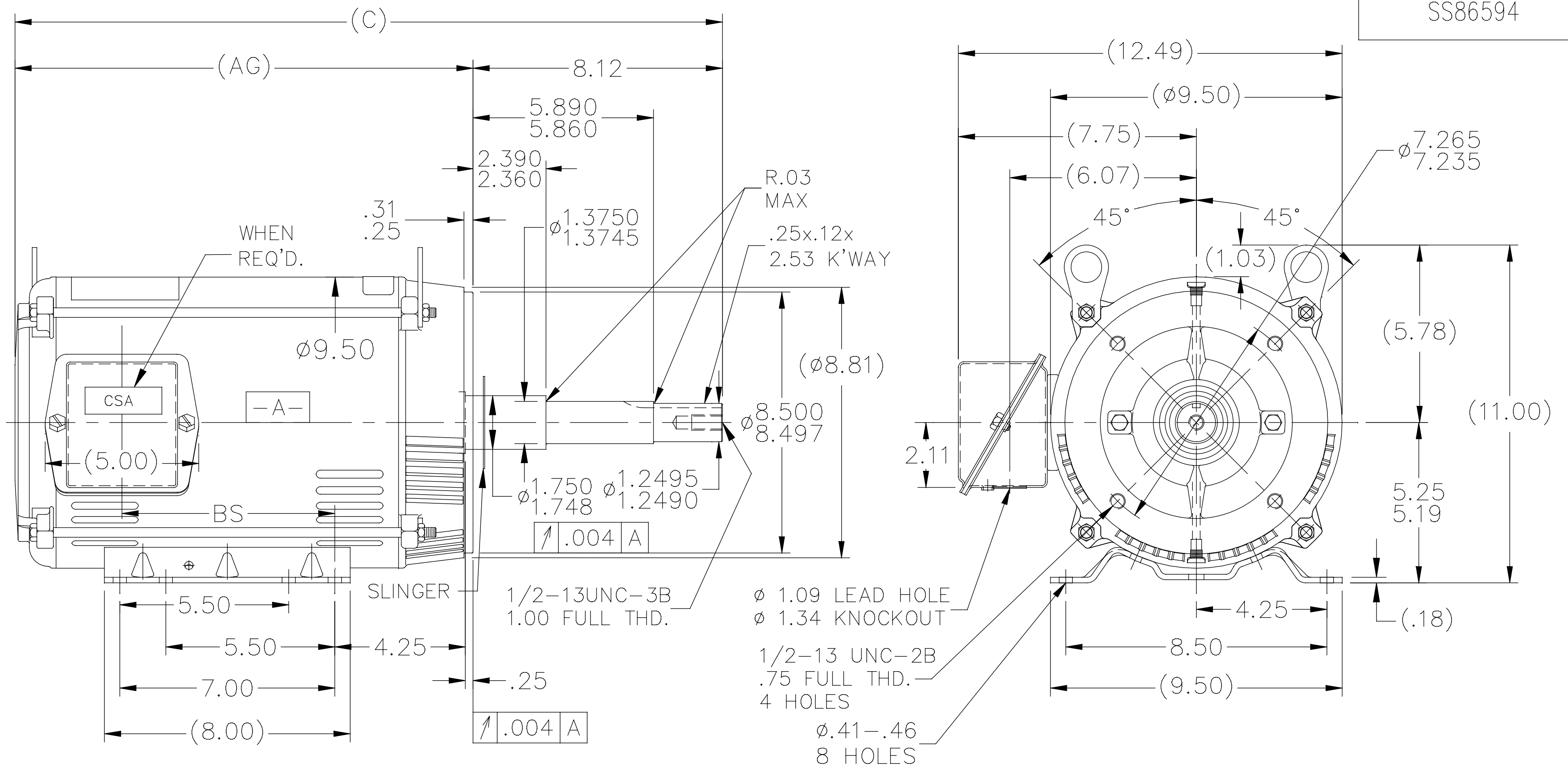
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3525 & 2940 rpm	Service Factor	1.15 & 1.15
Frame	215JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	36.5/18.2 & 30/15 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.906 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	21.53 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	8.13 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86594-965	Connection Drawing	005010.01



DASH	FR.	C	AG	BS	MOUNTING
965	213JP	21.53	13.41	5.43	
1115	213/15JP	23.03	14.91	6.93	
1240	213/15JP	24.28	16.16	8.18	F1 ONLY

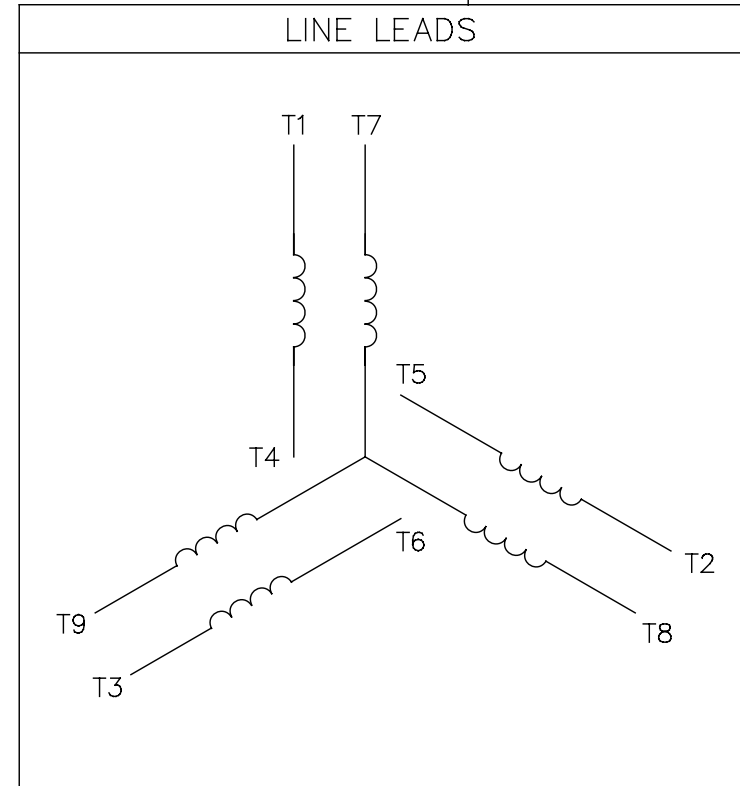
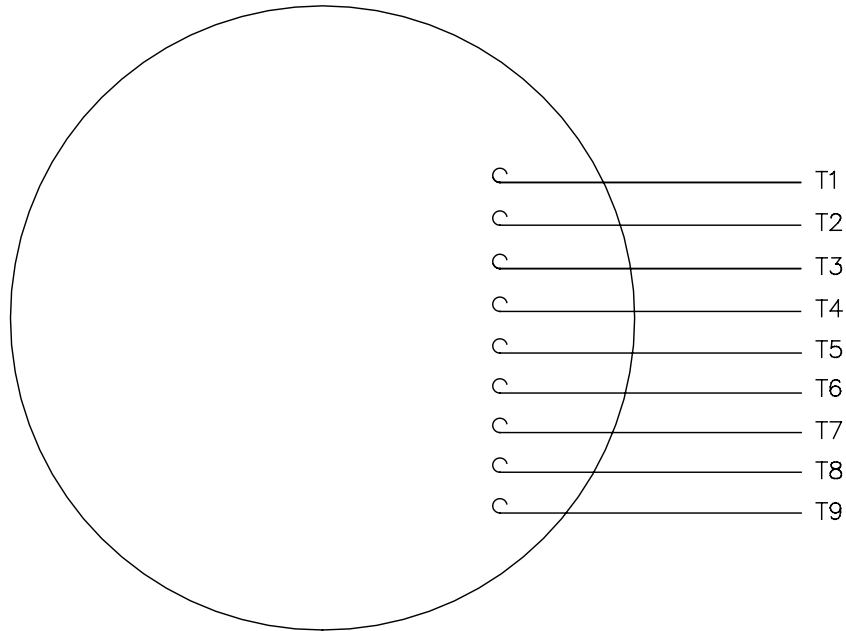
NOTES:

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)

6	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015		TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN DA 03-26-1996			
5	WHEN REQ'D NOTE ADDED PER ECO-0043948	UD 01/20/14	GR	DEC.	INCHES		CHK ML 04-01-1996			
4	UPDATED DRAWING	TJW 04/27/2007		.X	±.1		APPD DN 04-01-1996			
3	REDRAWN IN AUTOCAD	TAT 07-13-2004	ML	.XX	±.03	TITLE OUTLINE 210JP FR.-BB-TS-DR.PR.-C' FACE	SCALE 1=5			
2	UPDATED C'BOX GEOMETRY CN 28425	DRS 01-31-2000		.XXX	±.005		REF			
1	NEW DRAWING - DES/DEV	DA 04-02-1996		.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 ss86594		SIZE A	DRAWING NO. PAGE OF		REV. 6
			DIST LB					SS86594		

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN RDW 04/12/02		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01				SCALE 1=1		
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L. DECAL - 004014		
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 04/12/02		CAD FILE 00501001		SIZE	DRAWING NO.		REV.
				DIST BRF-NLV				A	005010-01		A



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 215TTDWD14020
CONN. DIAGRAM: 005010.01 CAT #: U201B
OUTLINE: SS86594-965 CUSTOMER PART #: _____
WINDING: K2152225 NONE 3 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	3600	3525	215JP	DP	TDW	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	36.5/18.2&30/15	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	92.1	1/2 LD EFF	91.8	GTD EFF	89.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	85.0	3/4 LD PF	79.6	1/2 LD PF	69.5				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
22.4 LB-FT	116	41.8 LB-FT 187%	62.9 LB-FT 281%	40	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	0.50 LB-FT²	25 LB-FT²	15 SEC.	2	115 LB.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6206						

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
0.558	0.321	1.32	0.864	34.208	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

PREPARED BY: FAREEDA DUDEKULA	BRAKE: NONE
DATE: 9/17/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

Date: 12/10/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTDWD14020

Submittal

Data @ 460 V

Motor Load Data

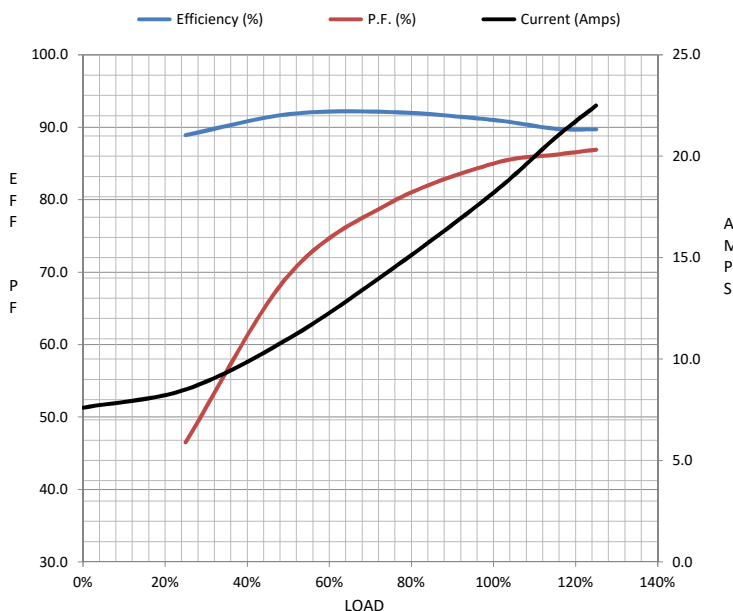
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.6	8.5	11.0	14.4	18.2	20.9	22.5	116	
Torque (ft-lb)	0.00	5.5	11.1	16.7	22.4	25.9	28.1	41.8	
RPM	3600	3583	3545	3545	3525	3,508	3502	0	
Efficiency (%)		88.9	91.8	92.1	91.0	89.8	89.7		
P.F. (%)	5.0	46.5	69.5	79.6	85.0	86.2	86.9	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	3060	3525	3600
Current (Amps)	116	115	75.0	18.2	7.6
Torque (ft-lb)	41.8	40.0	62.9	22.4	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380		V	
Frequency	60		Hz	
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	40	° C		
Duty	CONT			
Ambient	40		° C	
Elevation	1,000	feet		
Rotor/Shaft wk²	0.50	Lb-Ft²		
Ref Wdg	K2152225 NONE			
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	SS86594-965			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5580	0.3210	1.3200	0.8640	34.2080



Speed -Torque Curve

