

PRODUCT INFORMATION PACKET



Model No: 215TTDBD6029
Catalog No: 215TTDBD6029
12,1800,DP,215T,3/60/230/460

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Nameplate Specifications

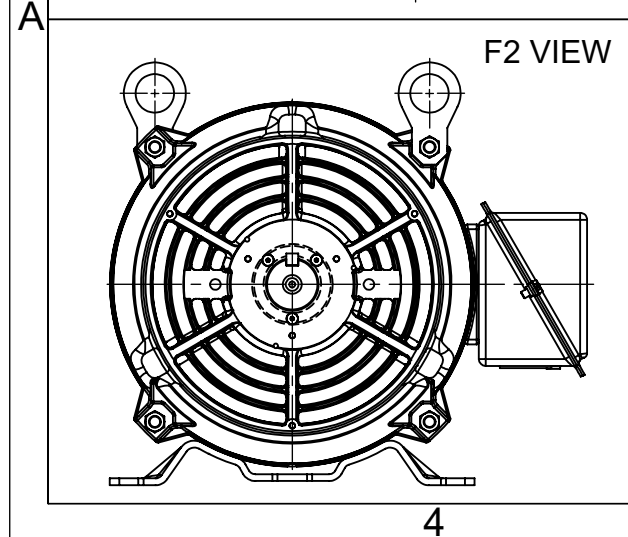
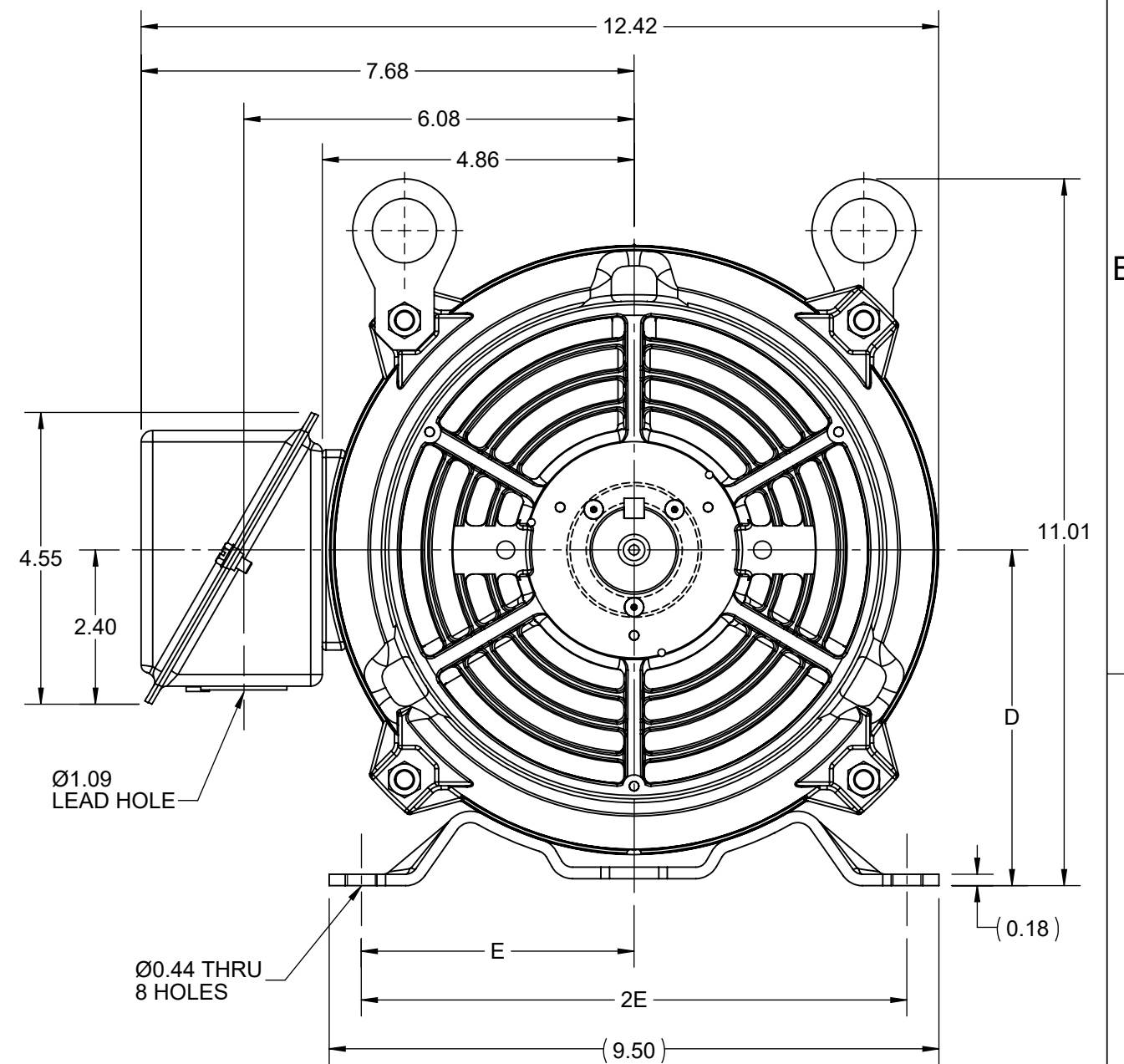
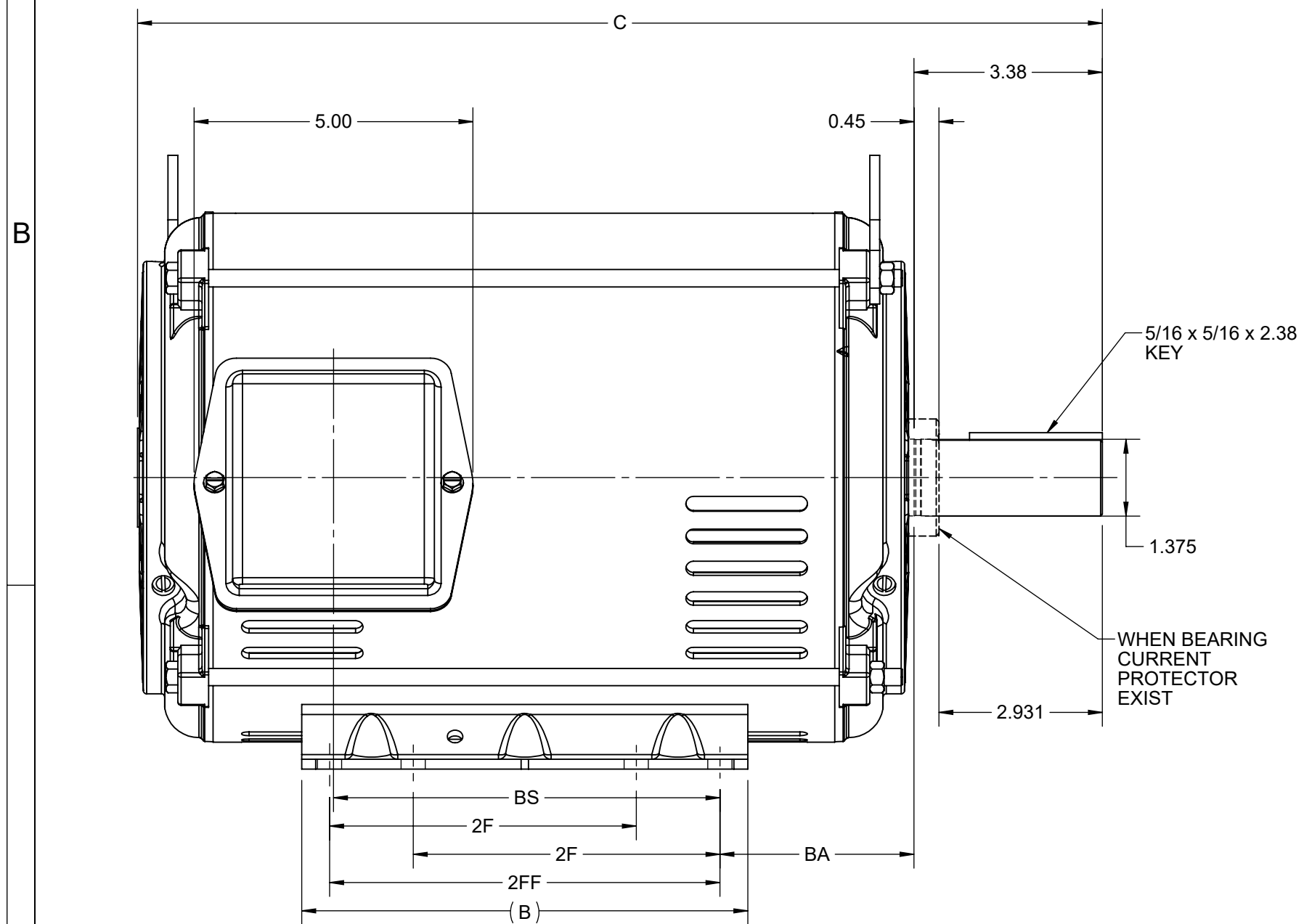
Output HP	12 Hp	Output KW	9.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	30.0/15.0 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	215T	Enclosure	Drip Proof
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.76 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F2/F1 CAPABLE
Connection Drawing	EE7308T	Outline Drawing	SS620684

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4				3					
B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING
8.00	17.30	5.25	4.25	8.50	5.50	7.00	3.50	6.93	F1 OR F2



DRAWING REVISION F	REVISION BY GOPI J	REV DATE/© DATE 09/05/2022
REQUEST NUMBER CR-0008840	APPROVED BY GNK	DATE 09/05/2022
REQUEST NUMBER DESCRIPTION FRAME AND CONDUIT BOX PART # UPDATED AS PER CR		
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PRIMARY DIMENSIONS ARE INCH
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ARE FOR REFERENCE ONLY

DRAWN BY ZXW	Regal Rexnord Regal Beloit America, Inc.	
DATE 16/04/2015	DESCRIPTION OUTLINE 213/215T FR NEMA ODP RS	
APPROVED BY ZL	MATERIAL	PROCESS/FINISH
DATE 16/04/2015		
REFERENCE	SIZE B	DRAWING NUMBER SS620684
THIRD ANGLE PROJECTION		SHEET 1 OF 1

HIGH VOLTAGE



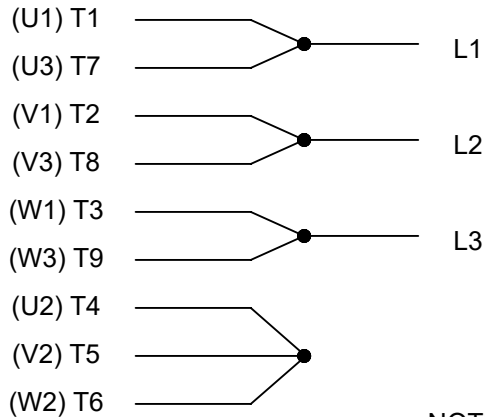
**THREE PHASE
DUAL VOLTAGE MOTOR**

THERMO-PROTECTORS
CONNECTED IN SERIES



**NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1**

LOW VOLTAGE



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019		DRAWN BY SMC	Regal Beloit America, Inc.
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019		DATE 05-13-1992	
ECO DESCRIPTION ADDED TERMINAL CONNECTION DIAGRAM				APPROVED BY TB	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR
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			REFERENCE EE7308/EE7300	SIZE A	DRAWING NUMBER EE7308T



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
 ORDER #: _____
 CONN. DIAGRAM: EE7308T
 OUTLINE: SS620684
 WINDING: HA31324025 NONE 2
 SPEED: _____

CUSTOMER P.O. #: _____
 REFERENCE MODEL #: 215TTDBD6029
 CAT #: #VALUE!
 CUSTOMER PART #: _____
 MOUNTING: F2/F1 CAPABLE
 FAN: 504205B

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
12	9.0	1800	1765	215T	DP	TDB	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	30/15	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	92.4	1/2 LD EFF	92.2	GTD EFF	ELECT. TYPE
F.L. PF	82.0	3/4 LD PF	76.7	1/2 LD PF	65.3	90.2	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
35.9 LB-FT	88.0	84.3 LB-FT 235%	104 LB-FT 290%	55

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
63 dBA	72 dBA	1.10 LB-FT²	79 LB-FT²	15 SEC.	2	150 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	YES	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE BALL 6307	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	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
0.496	0.366	1.888	2.348	42.598	0.150	ODE

* N O T E S *	INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
	ENCODER: NONE					
	NONE					
	NONE PPR					

PREPARED BY: _____	BRAKE: NONE				
DATE: 11/28/2022	NONE NONE				
	FT-LB: NA				
	VOLTAGE: NONE HZ:				
	UL: V - LI,ME-INS,CONST UL REC,W/OVERHEAT PRT DEVICE				

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 11/28/2022
 Customer: _____
 Attention: _____
 Submitted by: _____



215TTDBD6029
 NA FAN
Submittal
 Data @ 460 V

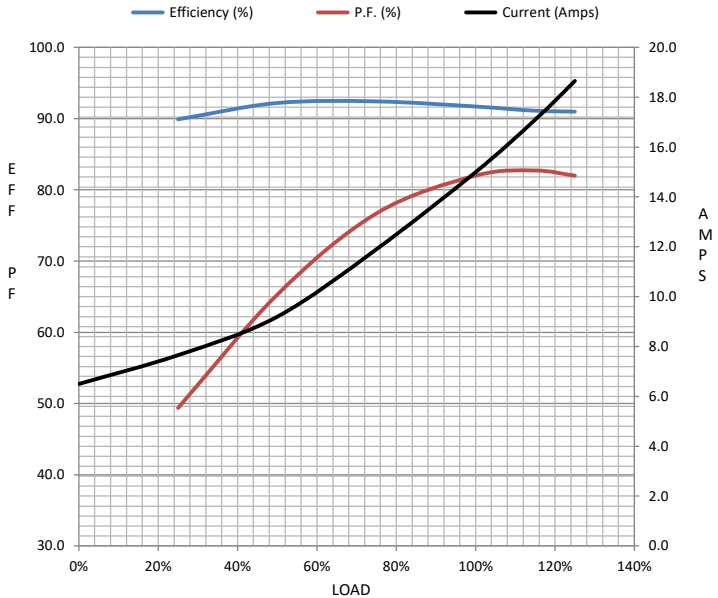
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.5	7.7	9.2	11.9	15.0	17.1	18.7	88.0	
Torque (ft-lb)	0.00	10.6	17.4	26.7	35.9	41.2	44.5	84.3	
RPM	1800	1790	1785	1774	1765	1.756	1751	0	
Efficiency (%)		89.9	92.2	92.4	91.7	91.1	91.0		
P.F. (%)	5.3	49.4	65.3	76.7	82.0	82.7	82.0	44.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1625	1765	1800
Current (Amps)	88.0	90.0	55.0	15.0	6.5
Torque (ft-lb)	84.3	76.5	104	35.9	0.00

Information Block				
HP	12.0			
Sync. RPM	1800			
Frame	215			
Enclosure	DP			
Construction	TDB			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.10 Lb-Ft ²			
Ref Wdg	HA31324025 NONE			
Sound Pressure @ 1M	63 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620684			
Conn. Diag	EE7308T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4960	0.3660	1.8880	2.3480	42.5980



Speed - Torque Curve

