

PRODUCT INFORMATION PACKET



Model No: 119458.00
Catalog No: 119458.00

Jet Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM, 56J Frame, TEFC



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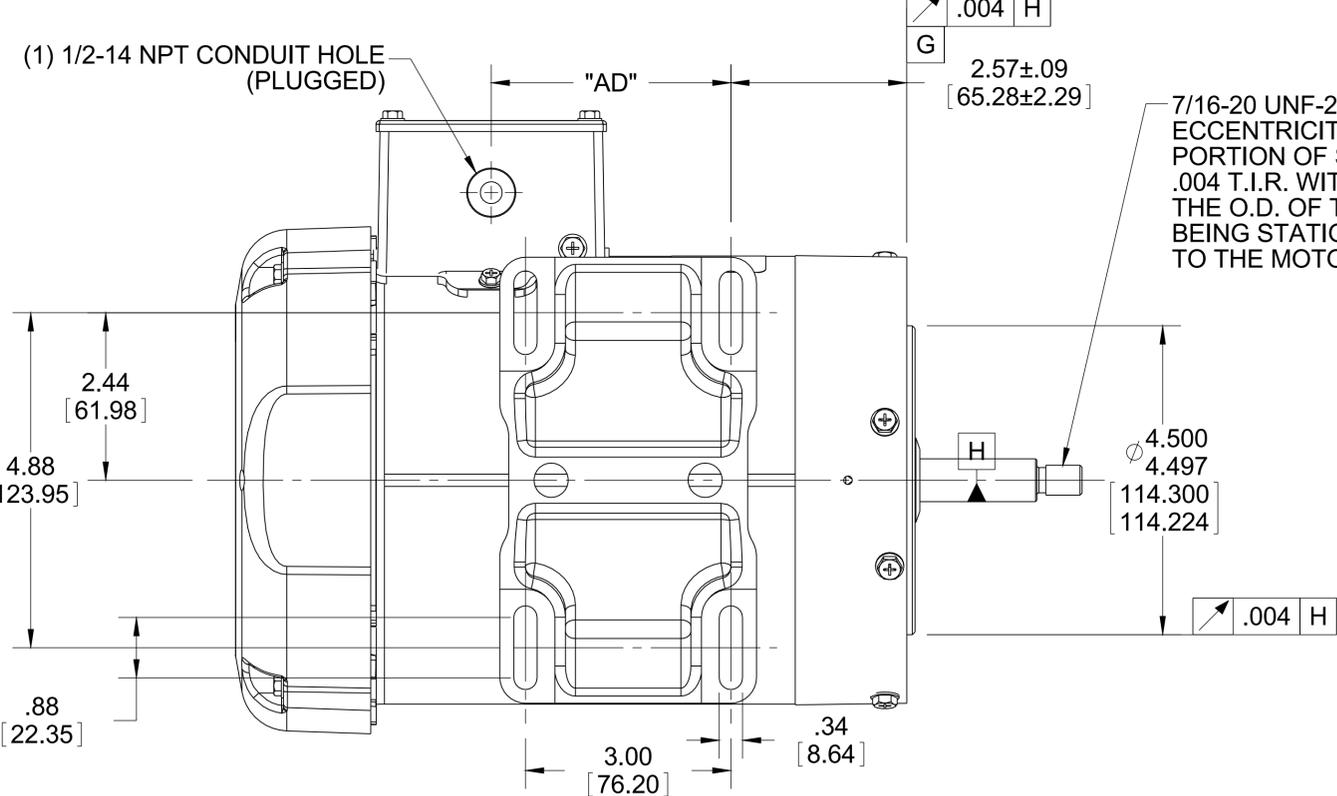
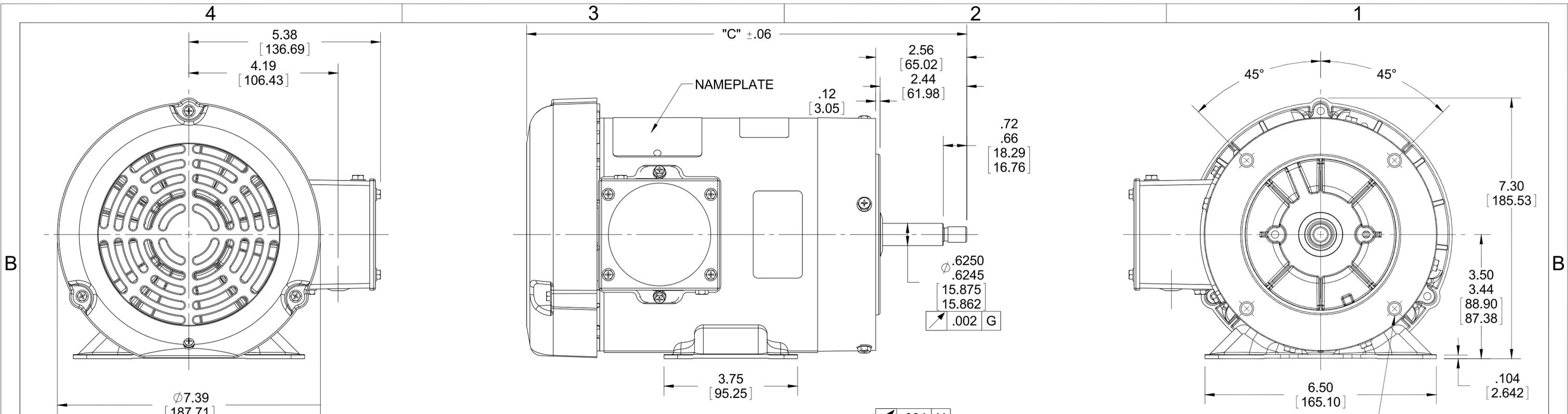


Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	208-230/460 & 190/380 V
Speed	3490 & 2890 rpm	Service Factor	1.15 & 1.15
Frame	56J	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	84 & 82.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.4-4/2 & 3.6/1.8 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	8.5 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	J	Overall Length	12.87 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	005010.01	Outline Drawing	607-0014-650



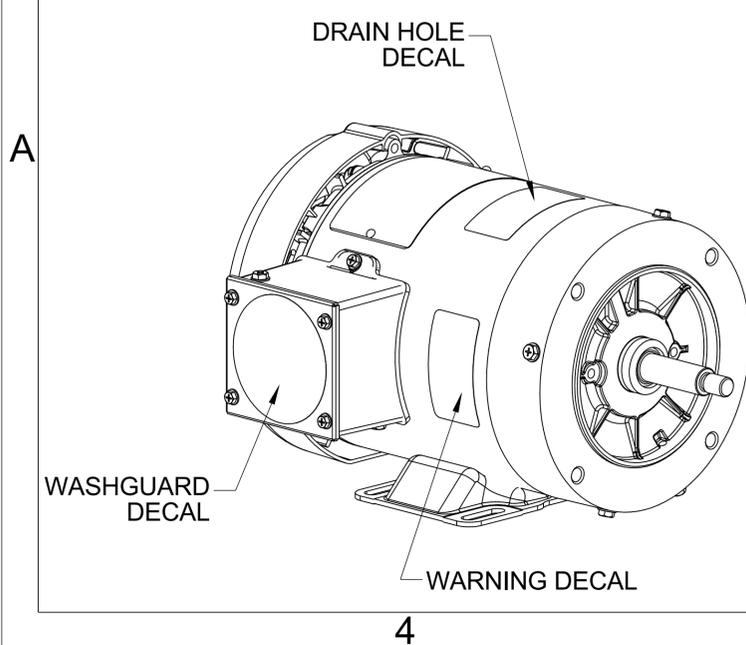
3/8-16 UNC-2B x .56 DEEP
(4) REQ'D. ON A Ø 5.875 B.C.

WASHGUARD MOTOR

SPECIAL FEATURES:

1. SHAFT SEALS & V-RING.
2. PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
3. BUNA-N GASKETS THROUGHOUT.
4. STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE.

DASH NO.	"C"	"AD"
450	10.87	2.00
500	11.37	2.50
550	11.87	3.00
600	12.37	3.50
650	12.87	4.00
700	13.37	4.50
750	13.87	5.00
800	14.37	5.50



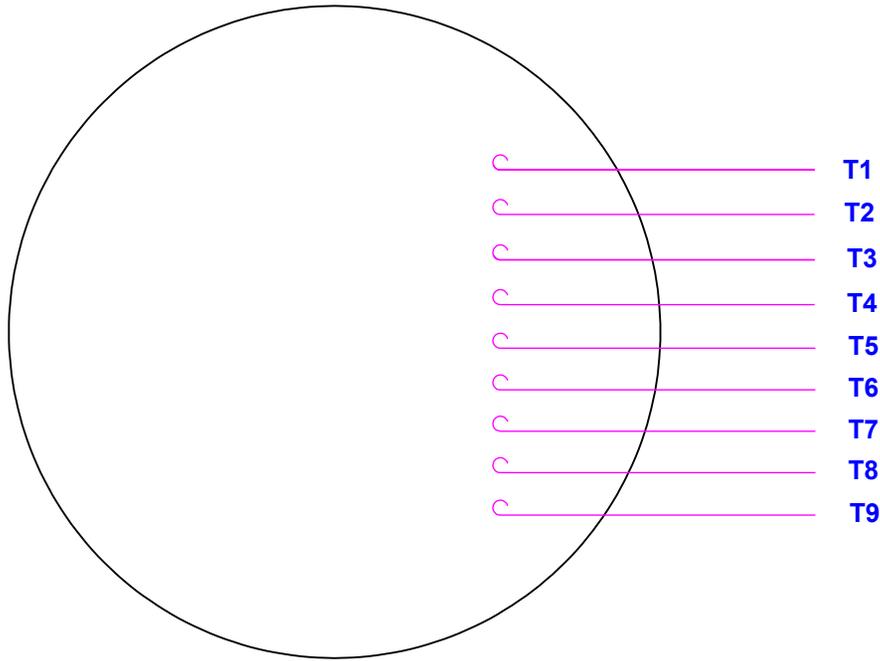
DRAWING REVISION E	REVISION BY SAJID	DATE 07/06/2015
ECO ECO-0080246	APPROVED BY JD	DATE 07/06/2015
ECO DESCRIPTION ADDED DASH NO 750 & 800		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [51]			
MACHINED SURFACES: 200 INCH/mm			
mm SHOWN IN [BRACKETS]			

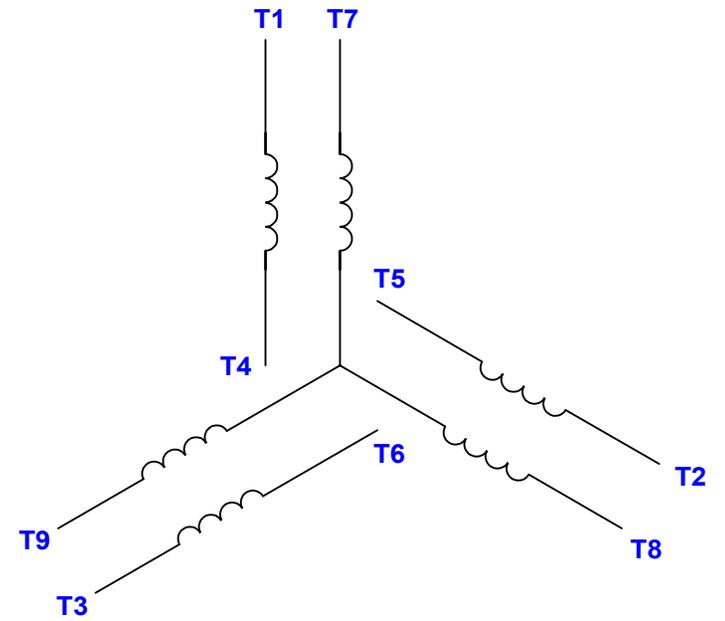
DRAWN BY PG 02/14/11
DATE
APPROVED BY
DATE
REFERENCE
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE TEFC - RIGID "C" FACE
MATERIAL	WASHGUARD - JET PUMP
PROCESS/FINISH	
SIZE	B
DRAWING NUMBER	607-0014
SHEET	1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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

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				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02	
				DEC	INCHES	CHK	
				.X	±.1	APPR	
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX	±.01	SCALE 1:1	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005	REF FIG. 2-51	
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXX	±.0005	FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	PAGE OF	
THIRD ANGLE PROJECTION			RFP	04/12/02	PREV	SIZE	DRAWING NO
			NETWORK FILE NAME		00501001	A	005010-01
							REV
							12

Regal Rexnord Regal Beloit America, Inc.

TITLE EXTERNAL WIRING DIAGRAM
 3 PHASE W/O PROTECTOR

MAT'L DECAL - 004014



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 607-0014-650
WINDING: T632173

CAT #: 119458.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	3600	3500	56J	TEFC	TFR	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	4.05/2.05&3.6/1.8	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	84.0	3/4 LD EFF	81.9	1/2 LD EFF	78.9	GTD EFF	ELECT. TYPE
F.L. PF	83.6	3/4 LD PF	76.5	1/2 LD PF	64.7	0.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
2.25 LB-FT	20.1	8.9 LB-FT 396%	10.7 LB-FT 476%	50

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 dBA	9 dBA		0.06 LB-FT²	0.1 LB-FT²	10 SEC.	0	0 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	WATTSAVER

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	JET PUMP	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
BALL	BALL						
6205	6203						

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	0	0	0	0	0.080	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE					
	ENCODER: NONE NONE NONE					
	BRAKE: NONE NONE NONE					
	FT-LB: NA VOLTAGE: NONE					
	UL: Y-(LEESON UL REC)					

DATE:	9/6/2018	HZ:
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Data Sheet

Date: 9/6/2018

119458.00



Data @ **460 V**

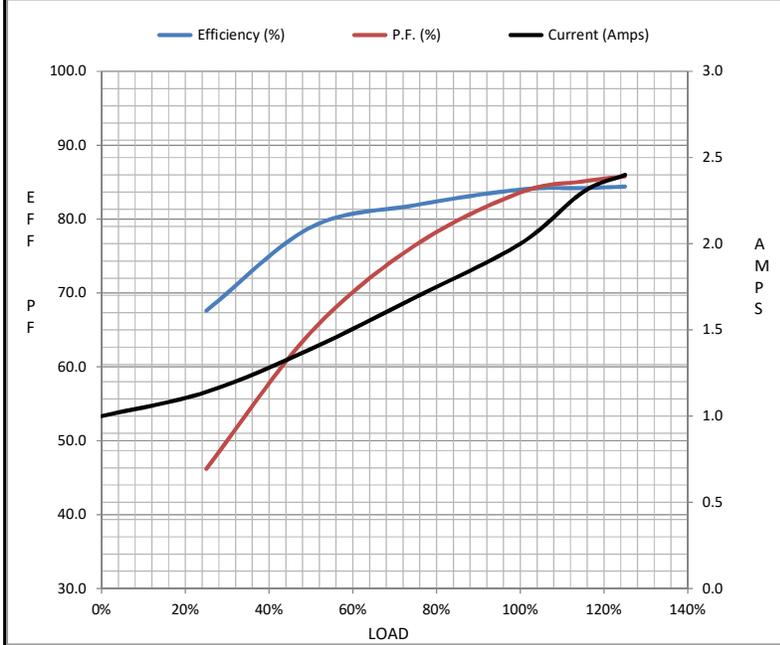
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.14	1.39	1.69	2.00	2.30	2.40	20.1	
Torque (ft-lb)	0.00	0.56	1.12	1.68	2.25	2.65	2.80	8.9	
RPM	3600	3570	3549	3535	3500	3,488	3480	0	
Efficiency (%)		67.6	78.9	81.9	84.0	84.2	84.4		
P.F. (%)	12.6	46.2	64.7	76.5	83.6	85.1	85.8	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	220	2200	3500	3600
Current (Amps)	20.1	18.5	16.0	2.00	1.00
Torque (ft-lb)	8.9	8.6	10.7	2.25	0.00

Information Block				
HP	1.5			
Sync. RPM	3600			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.06 Lb-Ft ²			
Ref Wdg	T632173 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	607-0014-650			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

