

PRODUCT INFORMATION PACKET



Model No: 194193.00

Catalog No: 194193.00

Other Purpose Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 447T Frame, TEFC



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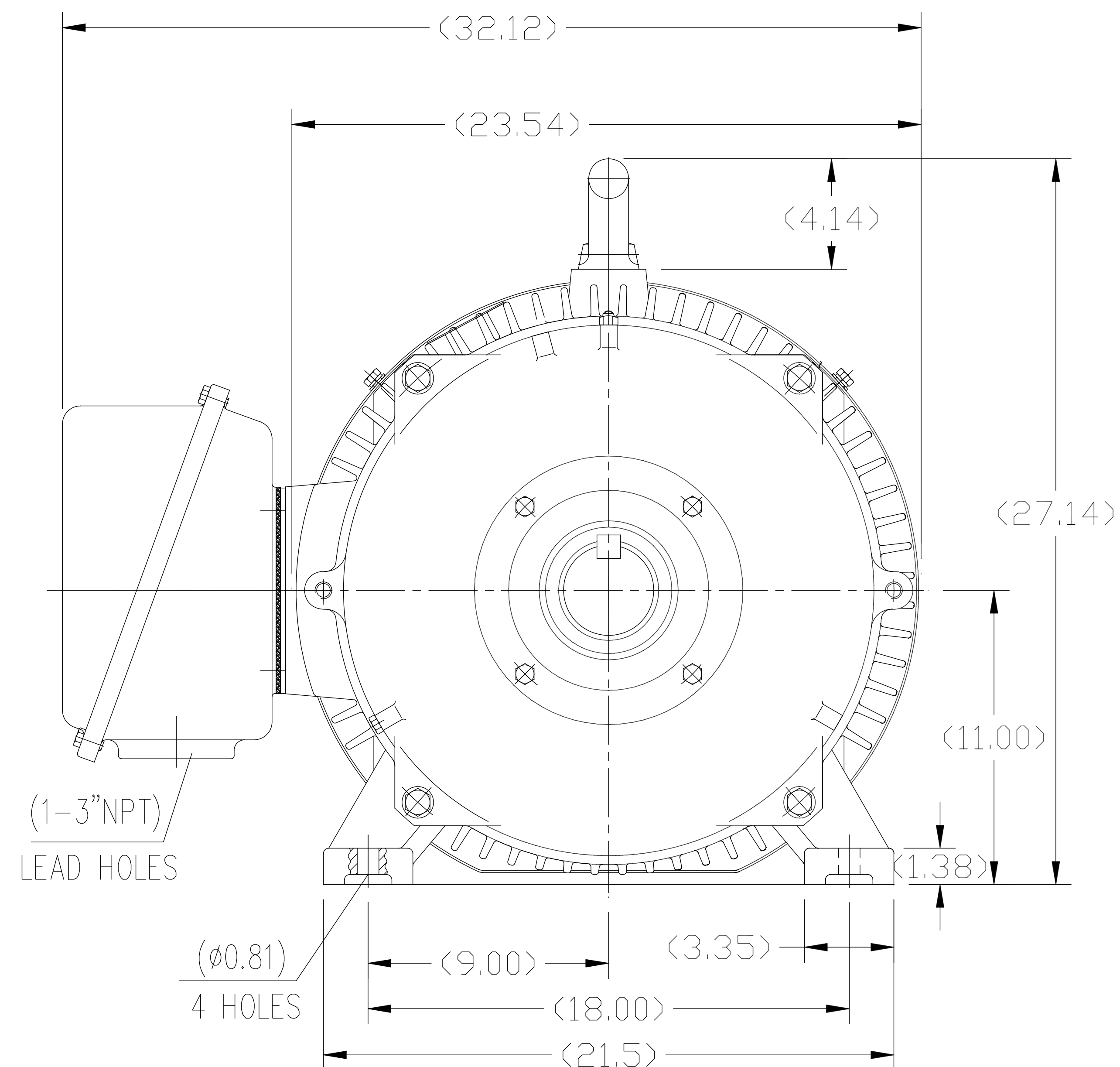


Nameplate Specifications

Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	1790 & 1490 rpm	Service Factor	1.15 & 1.15
Frame	447T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	96.2 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	225 & 208 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	C	KVA Code	H
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.015 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	50.78 in
Frame Length	31.88 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	SS620786	Connection Drawing	EE7300CB-LE



				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION			DRAWN ZYH 04-22-2012			
				DEC.	INCHES				CHK HZJ 04-22-2012			
				.X	±.1	TITLE OUTLINE-447T FR TEFC-CSAST IRON severe duty			APPD WGH 04-22-2012			
				.XX	±.03				SCALE			
				.XXX	±.005				REF			
A	RELEASED FOR PRODUCTION	ECO-0118824	WGJ	2/24/17	EMH	.XXXX	±.0005	MAT'L.	FMF Wuxi			
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			CAD FILE	SS620786	SIZE	DRAWING NO.	REV.
					DIST					B	SS620786	A

T12 _____
 T1 _____
 T6 _____
 T7 _____

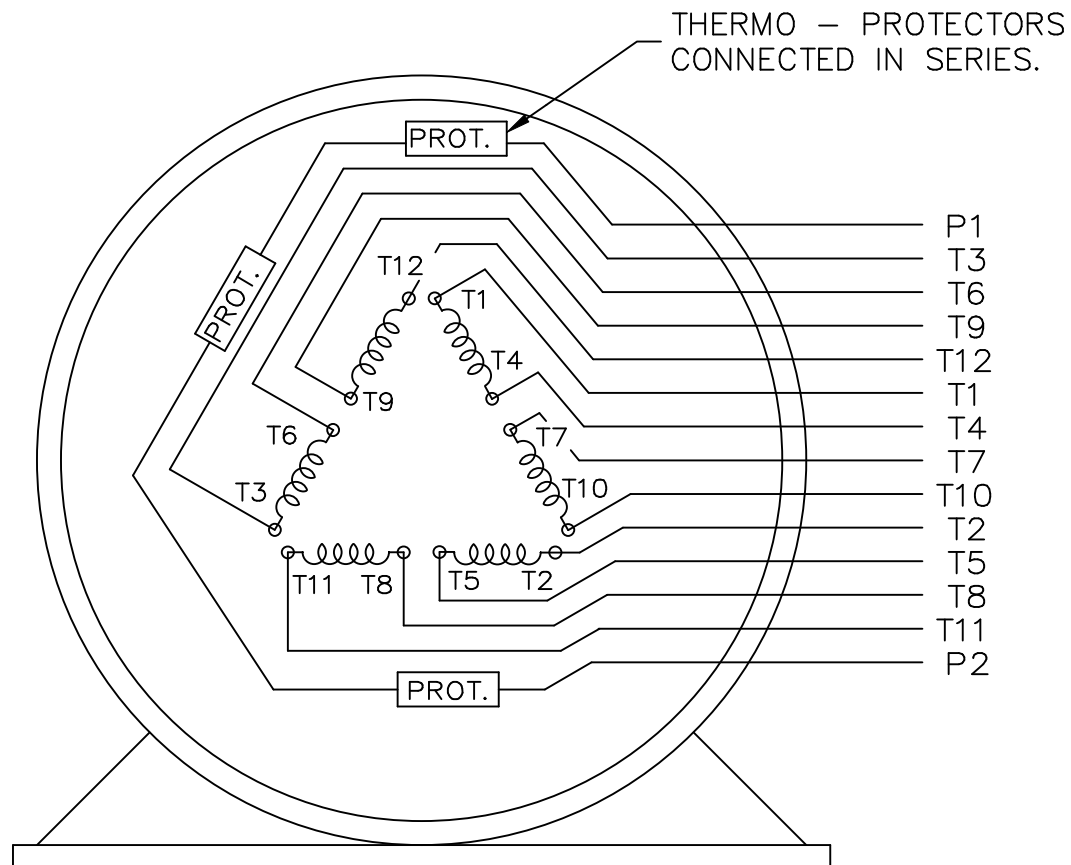
LINE 1

T2 _____
 T4 _____
 T8 _____
 T10 _____

LINE 2

T3 _____
 T5 _____
 T9 _____
 T11 _____

LINE 3



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN KL 02-27-2003		
				DEC.	INCHES					CHK	GFH	03-03-2003
				.X	± -					APPD	JES	03-03-2003
				.XX	± -		TITLE CONNECTION DIAGRAM - EXTERNAL 12 LEAD SINGLE VOLTAGE			SCALE		1=1
				.XXX	± -	REF						
1	NEW DRAWING	MU45634	KL 03-03-2003		.XXXX	± -	MAT'L.			FMF		
NO.	REVISION		BY & DATE	CHK	ANG	± -	FINISH			PREV		
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				DIST WA-LE-SB					A	EE7300CB-LE		1

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OFFENDING COMMAND: Pscript_WinNT_Co
STACK:



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300CB-LE

CAT #: 194193.00

OUTLINE: SS620677

WINDING: CHT44740003

R1 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
200	149	1800	1790	447T	TEFC	TFC	G	BC

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#380	225&208	PWS & YDRUN OR INV	CONT	F	1.15	40	3300

F.L. EFF	96.2	3/4 LD EFF	96.2	1/2 LD EFF	95.4	GTD EFF	95.8	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	87.5	3/4 LD PF	85.5	1/2 LD PF	79.5				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
587 LB-FT	1,450	1,300 LB-FT 221%	1,800 LB-FT 307%	65

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	88.0 LB-FT²	0 LB-FT²	25 SEC.	0	2750 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	UM SEVERE	NONE	NO	NONE	BLUE (EPOXY)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
ROLLER BALL	SHC-100/POLYREX	T	NONE	NONE	4140 STRESSPROOF (C-214)	CAST IRON
NU319 6317						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS 160(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
0.011	0.007	0.082	0.18	4.168	0.080	NONE

* N O T E S *		INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

DATE: 1/17/2018	BRAKE: NONE NONE	NONE
	FT-LB: NA VOLTAGE: NONE	HZ:
	UL: Y-(LEESON UL REC)	

Data Sheet

Date: 1/17/2018

194193.00



Data @ 460 V

Motor Load Data

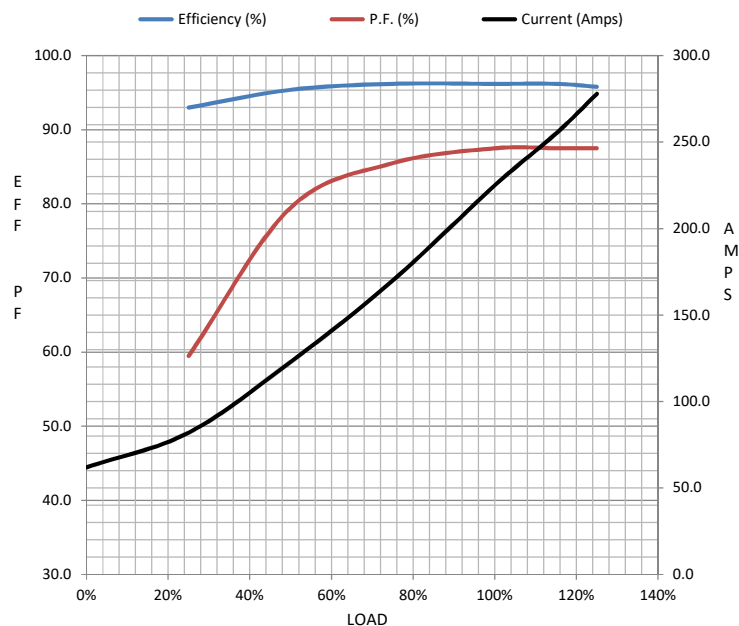
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	62.0	82.0	123	170	225	255	278	1,450	
Torque (ft-lb)	0.00	146	293	440	587	676	735	1,300	
RPM	1800	1796	1794	1792	1790	1,788	1786	0	
Efficiency (%)		93.0	95.4	96.2	96.2	96.2	95.8		
P.F. (%)	4.5	59.5	79.5	85.5	87.5	87.5	87.5	33.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1790	1800
Current (Amps)	1,450	1,300	875	225	62.0
Torque (ft-lb)	1,300	1,100	1,800	587	0.00

Information Block

HP	200.0			
Sync. RPM	1800			
Frame	449			
Enclosure	TEFC			
Construction	TFC			
Voltage	460#380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	88.0 Lb-Ft²			
Ref Wdg	CHT44740003 R1			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	SS620677			
Conn. Diag	EE7300CB-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0110	0.0070	0.0820	0.1800	4.1680



Speed - Torque Curve

