

# PRODUCT INFORMATION PACKET



Model No: LM34528  
Catalog No: LM34528  
350 HP General Purpose Motor, 3 phase, 1800 RPM, 460 V, 449T Frame, TEFC  
General Purpose Motors



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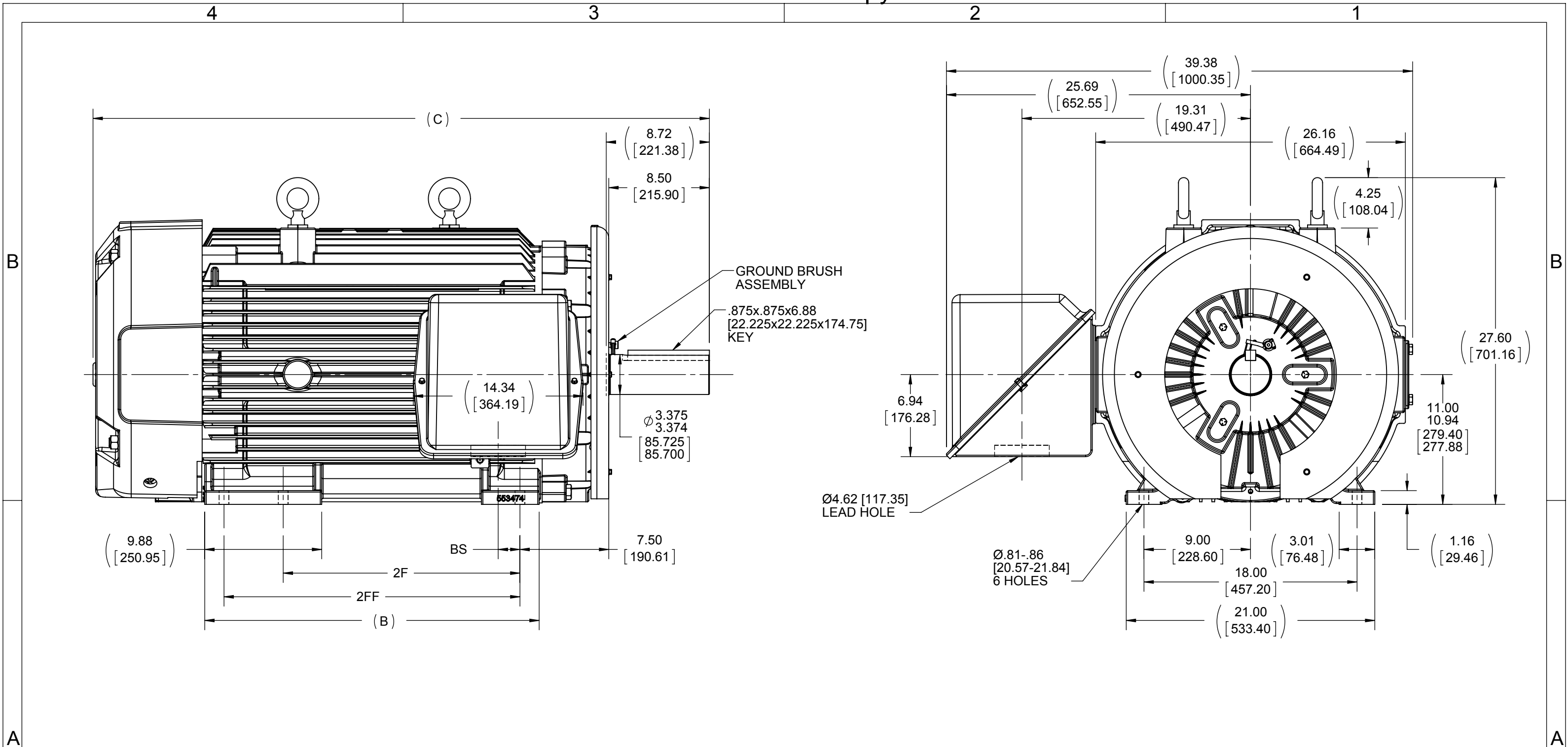


### Nameplate Specifications

Output HP	<b>350 Hp</b>	Output KW	<b>260.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>460 V</b>
Current	<b>395.0 A</b>	Speed	<b>1785 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>96.2 %</b>	Power Factor	<b>86.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Frame	<b>447/449T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6319</b>	Opp Drive End Bearing Size	<b>6318</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Part Wdg Start &amp; Wye Start Delta Run Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.0075 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>52.07 in</b>
Frame Length	<b>28.75 in</b>	Shaft Diameter	<b>3.375 in</b>
Shaft Extension	<b>8.81 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>SS550097-2875</b>	Connection Drawing	<b>EE7300BH</b>



- NOTES:  
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.  
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

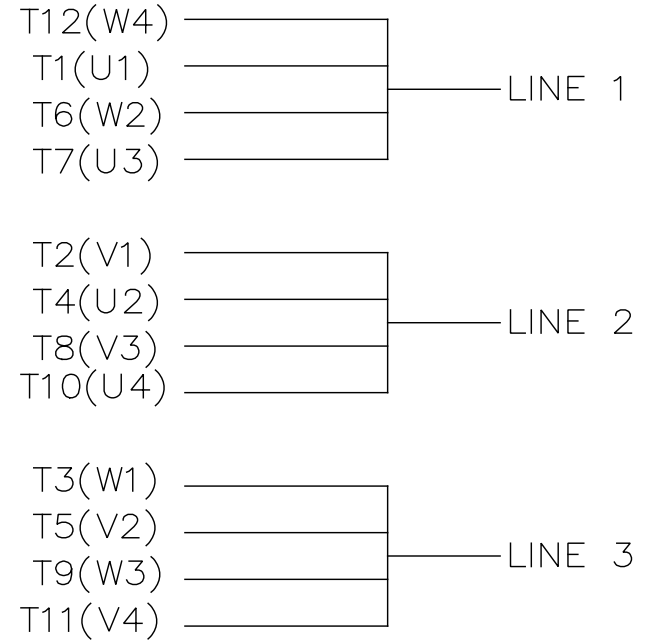
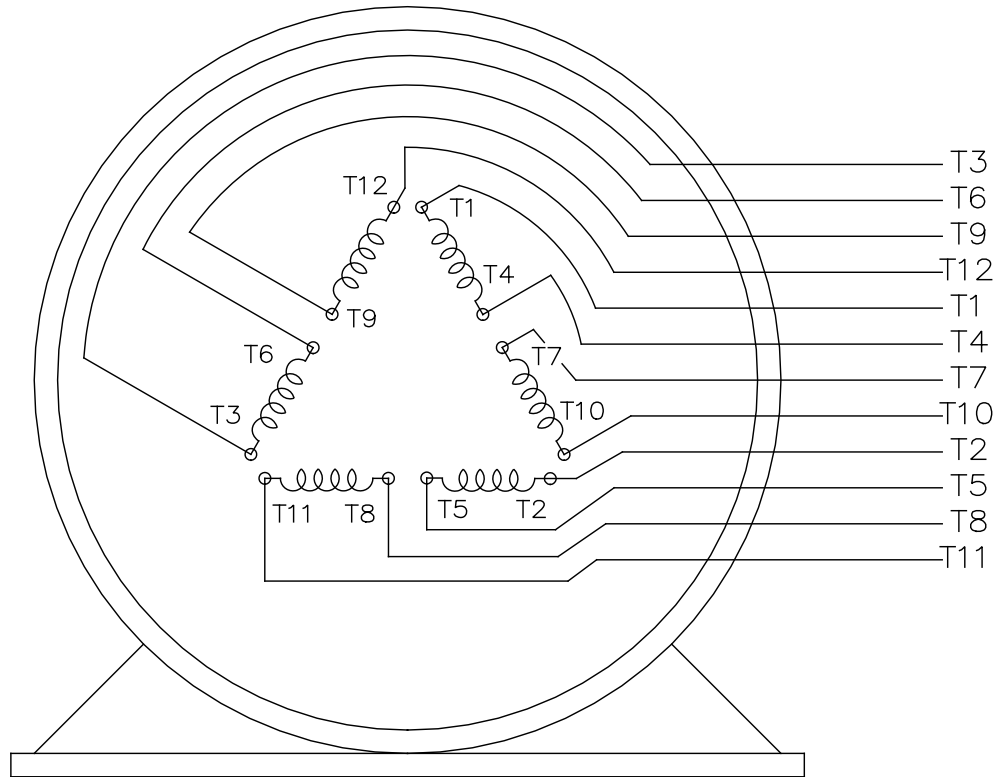
DASH	FRAME	B	C	2F	2FF	BS
2875	447T	28.25 [717.55]	52.07 [1322.58]	20.00 [508.00]	---	1.84 [46.74]
2875	449T	28.25 [717.55]	52.07 [1322.58]	---	25.00 [635.00]	1.84 [46.74]

DRAWING REVISION A	REVISION BY TDB	DATE 07-28-2014
ECO ECO-0056360	APPROVED BY DJK	DATE 07-30-2014
ECO DESCRIPTION		
DRAWN IN SOLIDWORKS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 DEC. INCH mm ANGLE  
 .X ±0.1 [±2.5] ±0.5°  
 .XX ±0.01 [±0.25]  
 .XXX ±0.005 [±0.127]  
 .XXXX ±0.0005 [±0.0127]  
 REMOVE BURRS & BREAK SHARP  
 EDGES: .003/.015 [0.076/.381]  
 CORNER FILLETS: .02 [0.51]  
 MACHINED SURFACES: 125/3.2  
 INCH/mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY KL	DATE 11-19-2003
APPROVED BY JES	DATE 11-21-2003
REFERENCE	THIRD ANGLE PROJECTION

<b>REGAL</b> ™ Regal Beloit America, Inc.	
DESCRIPTION <b>OUTLINE</b> 447/449T FR. - GRD. BRUSH - BAFFLE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS550097
SHEET 1 OF 1	



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION	DRAWN RJW 02-11-2005				
				DEC.	INCHES		CHK	ML	02-11-2005		
				.X	±.1		APPD	GK	02-11-2005		
				.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE			
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX ±.005	12 LEAD- SINGLE VOLTAGE		REF			
1	ADDED IEC TERMINAL MARKINGS	CN 41429	JJB 05/24/2007	ML	.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 02-11-2005	CAD FILE ee7300bh	SIZE A	DRAWING NO. EE7300BH	PAGE OF	REV. C
						DIST LB					

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



DATA VOLTS: 460

**CERTIFICATION DATA SHEET**

CONN. DIAGRAM: A-EE7300BH  
 OUTLINE: B-SS550097-2875  
 WINDING: T4494123

CAT #: LM34528

NONE 1

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
350	261	1800	1785	447/449T	TEFC	TFN	G	BC

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	460	395	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	86.5	3/4 LD PF	84.0	1/2 LD PF	77.5				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1,030 LB-FT	2,550	2,075 LB-FT 201%	2,400 LB-FT 233%	80

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
85 dBA	94 dBA	98.0 LB-FT²	2900 LB-FT²	25 SEC.	1	3100 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	NO	NONE	GRAY - LINCOLN

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6319	6318						

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
0.007	0.005	0.066	0.1	2.311	0.150	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED	
	ENCODER: NONE	
	NONE	
	NONE	
	NONE PPR	

DATE: 1/24/2018	BRAKE: NONE	
	NONE	
	NONE	
	FT-LB: NA	NONE
VOLTAGE: NONE		HZ:
UL: V-INS, CONST UL REC		

Data Sheet

Date: 1/24/2018

LM34528



Data @ **460 V**

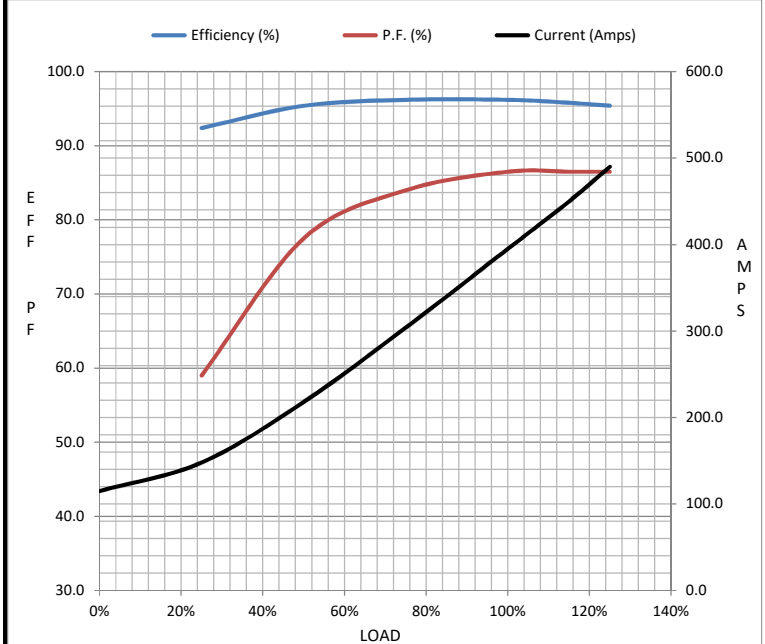
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	115	148	218	304	395	450	490	2,550
Torque (ft-lb)	0.00	256	512	770	1,030	1,185	1,290	2,075
RPM	1800	1796	1794	1790	1785	1,782	1780	0
Efficiency (%)		92.4	95.4	96.2	96.2	95.8	95.4	
P.F. (%)	5.5	59.0	77.5	84.0	86.5	86.5	86.5	31.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1785	1800
Current (Amps)	2,550	2,250	1,350	395	115
Torque (ft-lb)	2,075	1,950	2,400	1,030	0.00

Information Block				
HP	350.0			
Sync. RPM	1800			
Frame	449			
Enclosure	TEFC			
Construction	TFN			
Voltage	460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	98.0 Lb-Ft <sup>2</sup>			
Ref Wdg	T4494123 NONE			
Sound Pressure @ 1M	85 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS550097-2875			
Conn. Diag	A-EE7300BH			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0070	0.0050	0.0660	0.1000	2.3110



Speed - Torque Curve

