

PRODUCT INFORMATION PACKET



Model No: LM34097
Catalog No: LM34097
350 HP General Purpose Motor, 3 phase, 1800 RPM, 460 V, 447TS Frame, ODP
General Purpose Motors



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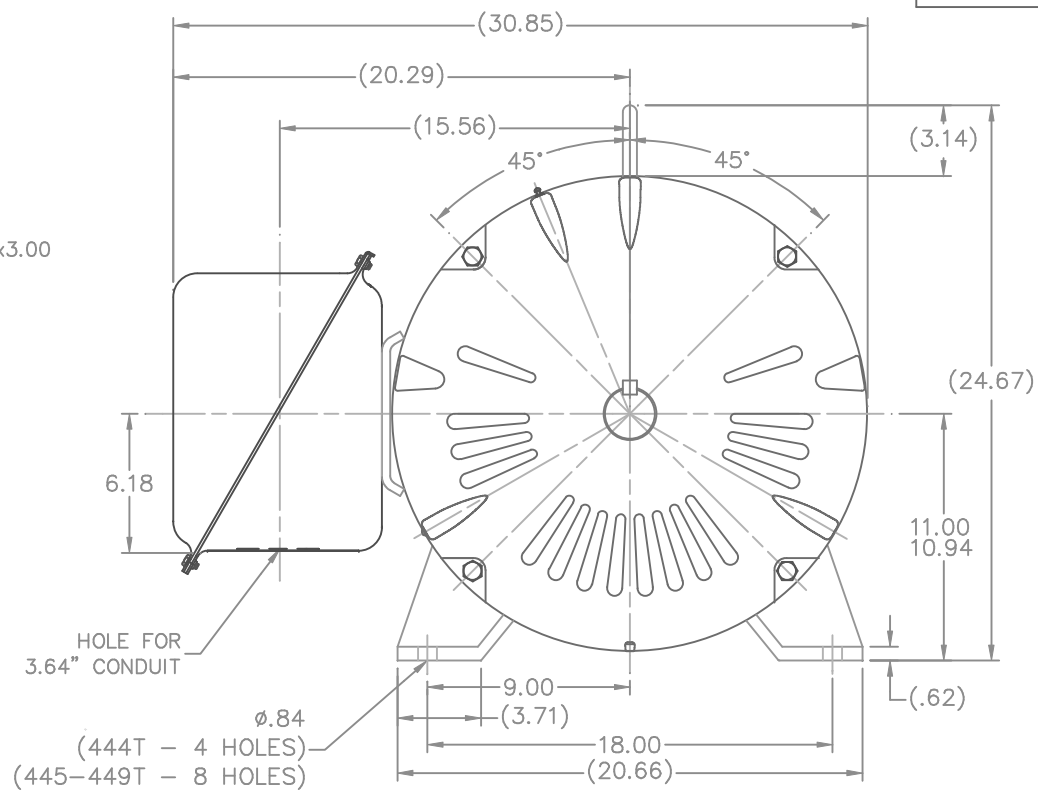
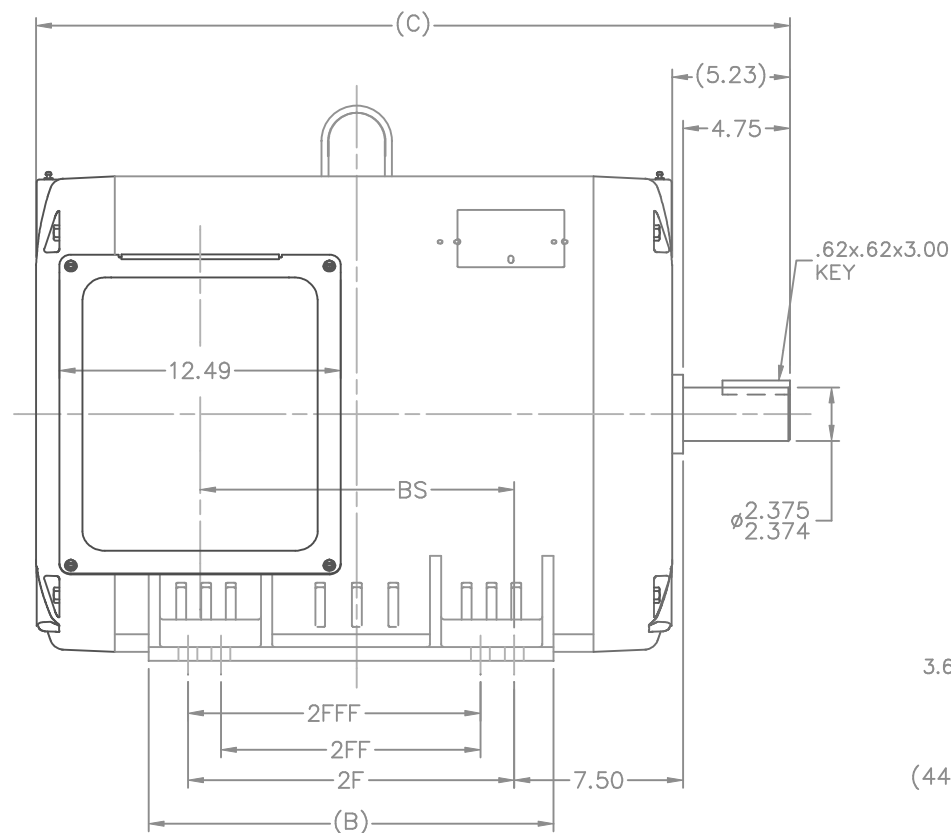
Nameplate Specifications

Output HP	350 Hp	Output KW	260.0 kW
Frequency	60 Hz	Voltage	460 V
Current	405.0 A	Speed	1782 rpm
Service Factor	1	Phase	3
Efficiency	95.8 %	Power Factor	84.5
Duty	Continuous	Insulation Class	F
Design Code	BC	KVA Code	G
Frame	447TS	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6315
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

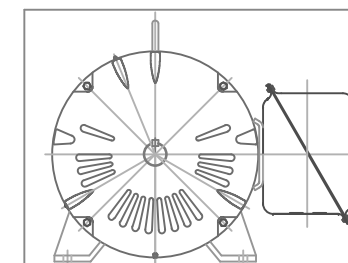
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.012 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Overall Length	39.00 in
Frame Length	26.77 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	XK2D1SS2-2677	Connection Drawing	A-EE7340-LN

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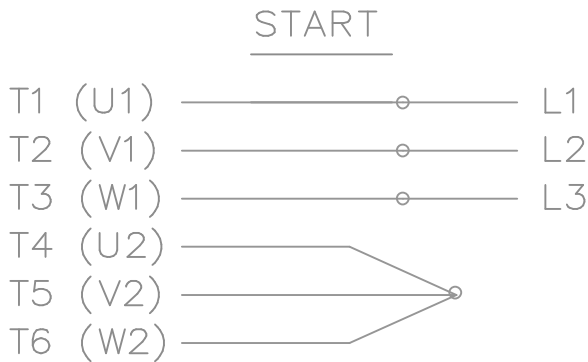


- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX
 SIDE OF MOTOR.

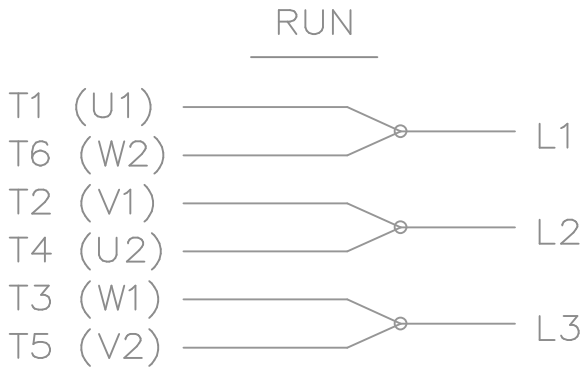
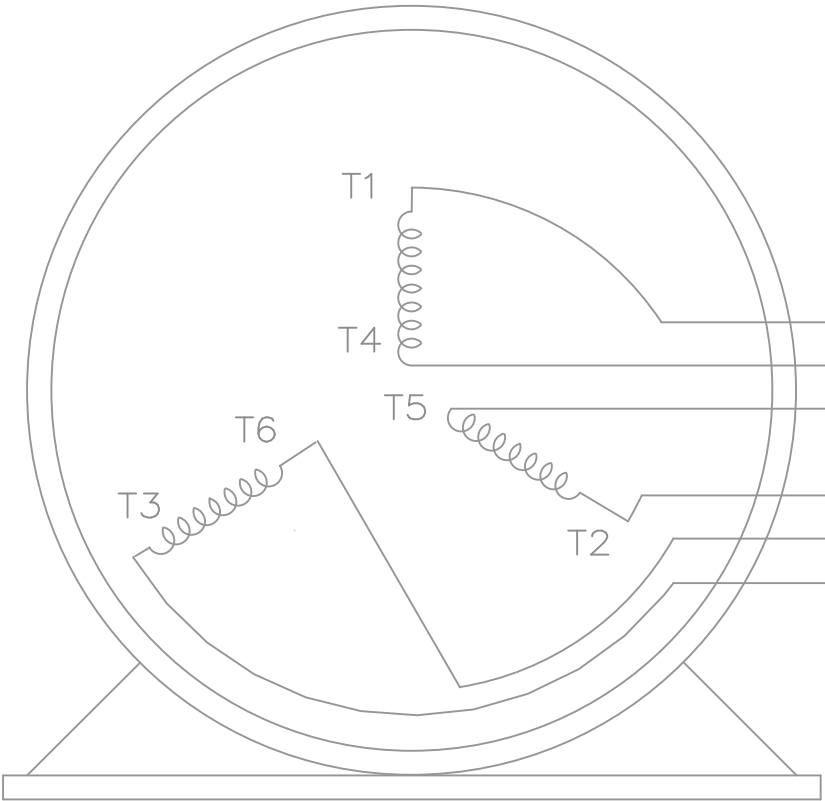


F2 VIEW

												TOLERANCES UNLESS SPECIFIED DEC. INCHES		DRAWN TJB 08-08-2001			
								4	REVISED FROM 4 TO 4-8 HOLES PER CN 37556	CTO 12-17-2001	TJB .XX ±.1		CHK ML 08-23-2001				
DASH	FRAME	C	B	BS	2F	2FF	2FFF	3	ADDED DASHES 2677 & 3177 CN 29200-2314	CTO 03-22-03	JNH .XX ±.03	TITLE	OUTLINE NEMA MOTORS 440TS OPD UE	SCALE 1=5.5			
2127	444TS	33.50	18.00	13.96	14.50			2	ADDED DASH 2327 CN 29200-2238	NJS 02-22-02	DRS .XXX ±.005			REF			
2327	445TS	35.50	20.00	15.96	16.50	14.50	14.50	1	NEW DRAWING - REPLACES 3XSD134FSSK-1 MU38160	TJB 08-30-01	ML .XXXX ±.0005	MAT'L		FMF			
2677	447TS	39.00	23.50	19.46	20.00	16.50	16.50	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	xk2d1ss2	SIZE B	DRAWING NO. XK2D1SS2	REV. 4
3177	449TS	44.00	28.50	24.46	25.00	20.00	20.00				DIST BY						



THREE PHASE — Y START
 Δ RUN MOTOR



T1 (U1)
 T4 (U2)
 T5 (V2)
 T2 (V1)
 T6 (W2)
 T3 (W1)

T6CK
 T6BM
 T4CC
 T2DL
 T4C

NOTE:
 IEC LEAD MARKINGS ARE NOTED
 IN PARENTHESES

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			DRAWN BLR 10-04-1999		
			DEC.	INCHES		CHK DRS 10-04-1999		
			.X	±.1		APPD TB 10-04-1999		
3	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-2005	ML	.XX	±.02	TITLE CONNECTION DIAGRAM 3Ø — WYE START DELTA RUN	SCALE 1=1	
2	REVISED DRAWING MISTAKE CN 29200-2980	ERH 05-15-2003	ML	.XXX	±.005		REF	
1	NEW DRAWING	BLR 10-09-1999		.XXXX	±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±'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 ee7340_In		SIZE A	DRAWING NO. EE7340-LN	PAGE OF 3
			DIST	WA-LB-SB				



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7340-LN
OUTLINE: XK2D1SS2-2677
WINDING: L4474026

CAT #: LM34097

NONE 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
350	261	1800	1782	447TS	DP	TDR	G	BC

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	460	405	HYE START DELTA RUN	CONT	F	1.15	40	3300

F.L. EFF	95.8	3/4 LD EFF	96.2	1/2 LD EFF	96.2	GTD EFF		ELECT. TYPE	
F.L. PF	84.5	3/4 LD PF	83.0	1/2 LD PF	78.0	95.1		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
1,032 LB-FT	2,400	2,225 LB-FT 216%	2,100 LB-FT 203%	85

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA		64.0 LB-FT²	0 LB-FT²	0 SEC.	0	0 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	WATTSaver

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6318 6315						

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
0.011	0.006	0.078	0.103	2.479	0.150	ODE

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

DATE: 9/10/2018	BRAKE: NONE	
	NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:
UL: V-INS, CONST UL REC		

Data Sheet

Date: 9/10/2018

LM34097



Data @ 460 V

Motor Load Data

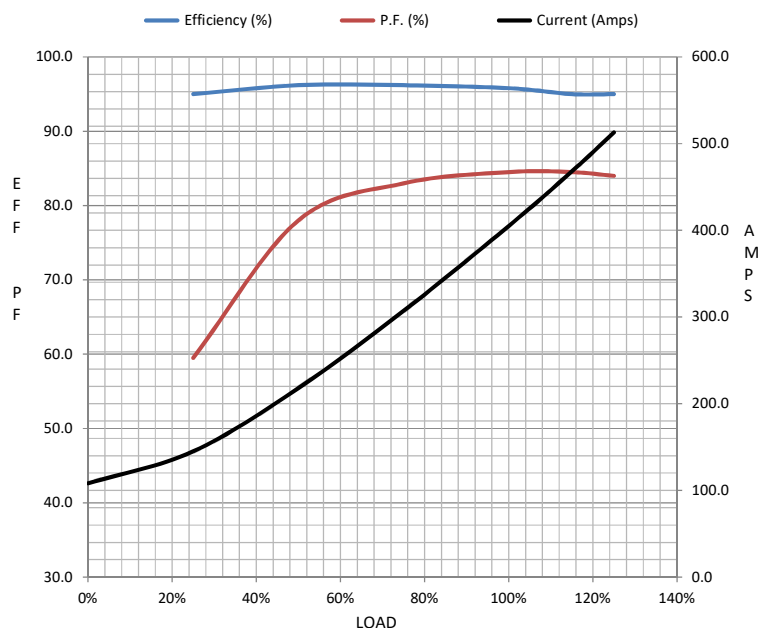
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	108	145	218	307	405	468	513	2,400	
Torque (ft-lb)	0.00	256	513	772	1,032	1,189	1,294	2,225	
RPM	1800	1795	1792	1787	1782	1,780	1775	0	
Efficiency (%)		95.0	96.2	96.2	95.8	95.0	95.0		
P.F. (%)	3.0	59.5	78.0	83.0	84.5	84.5	84.0	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1782	1800
Current (Amps)	2,400	2,150	1,550	405	108
Torque (ft-lb)	2,225	2,000	2,100	1,032	0.00

Information Block

HP	350.0			
Sync. RPM	1800			
Frame	447			
Enclosure	DP			
Construction	TDR			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	85 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	64.0 Lb-Ft²			
Ref Wdg	L4474026 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	XK2D1SS2-2677			
Conn. Diag	A-EE7340-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0110	0.0060	0.0780	0.1030	2.4790



Speed - Torque Curve

