

PRODUCT INFORMATION PACKET



Model No: LM16237

Catalog No: LM16237

General Purpose Motor, 350 & 350 HP, 3 Ph, 60 & 50 Hz, 460 & 380-415 V, 3600 & 3000 RPM,
449TS Frame, DP



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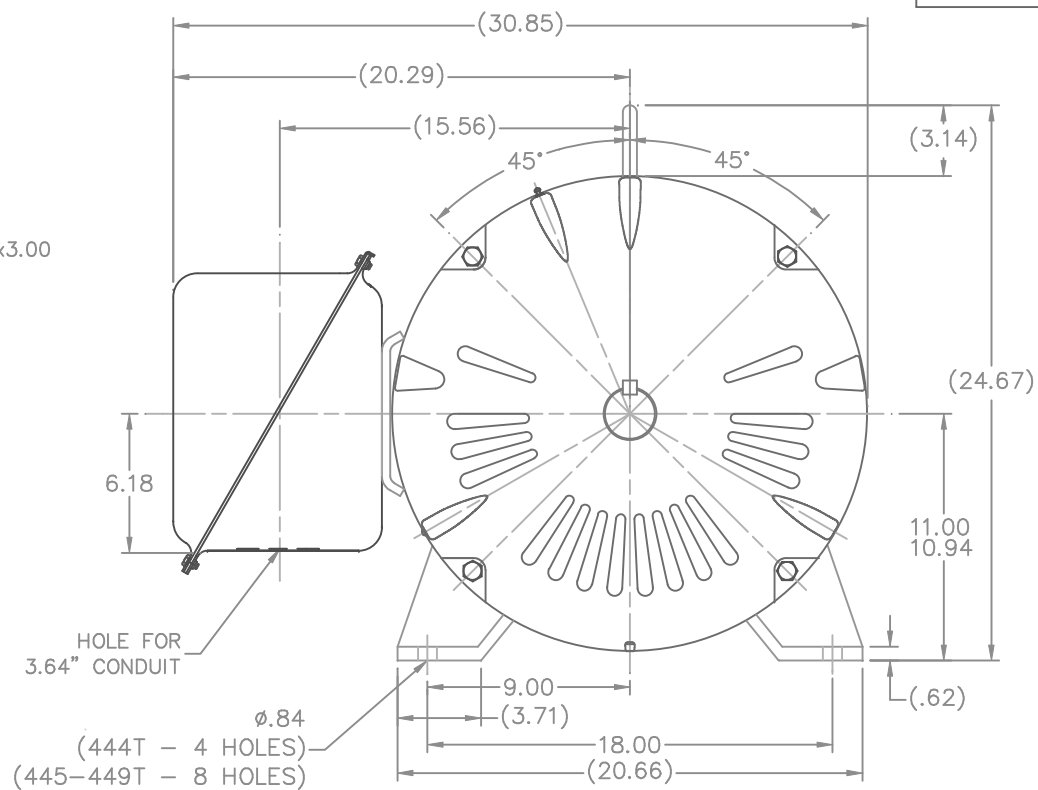
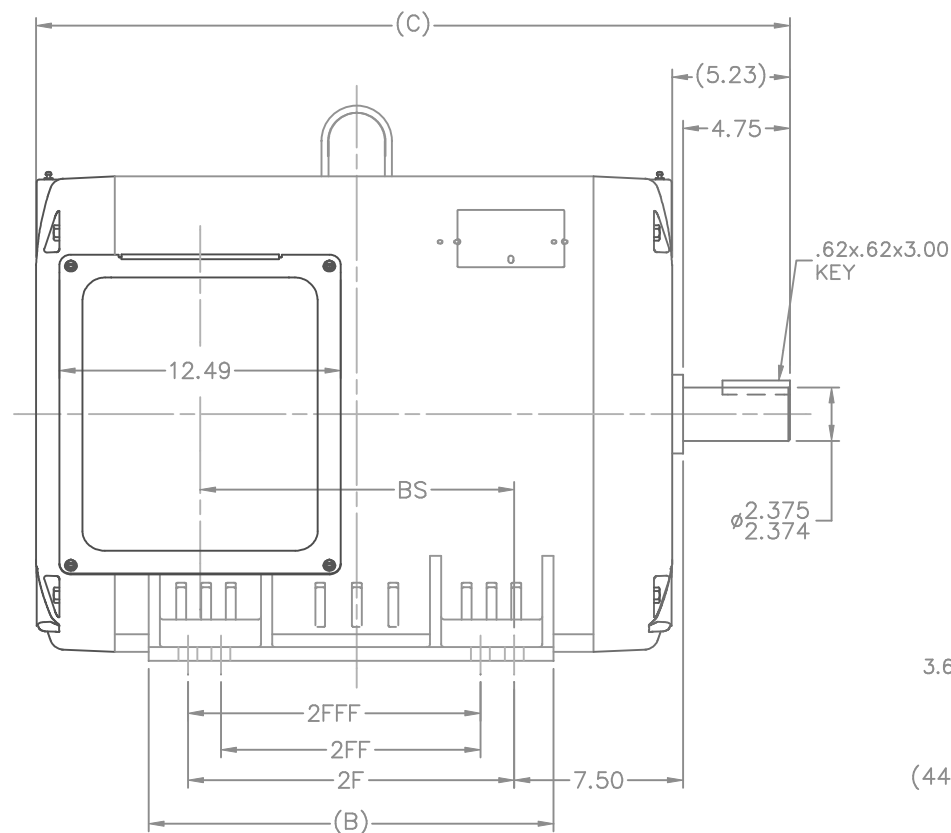


Nameplate Specifications

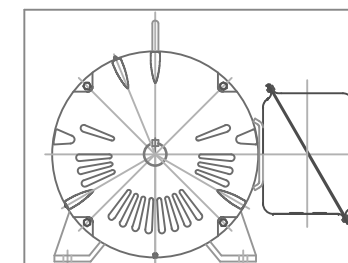
Phase	3	Output HP	350 & 350 Hp
Output KW	260.0 & 260.0 kW	Voltage	460 & 380-415 V
Speed	3575 & 2965 rpm	Service Factor	1.15 & 1.0
Frame	449TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.8 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	368 & 454-410 A	Power Factor	92.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	315	Opp Drive End Bearing Size	315
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	2	Rotation	Reversible
Resistance Main	.013 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	44.00 in
Frame Length	31.77 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7340-LN	Outline Drawing	XK2D1SS2-3177

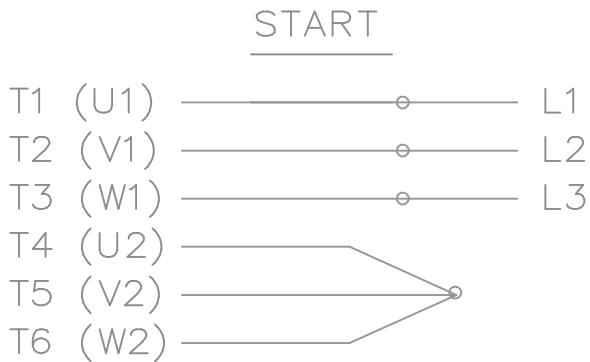


- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX
 SIDE OF MOTOR.

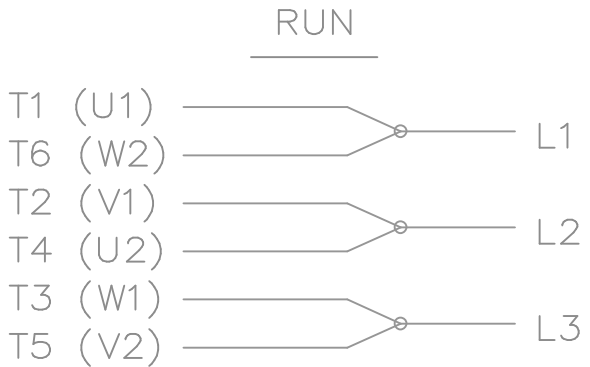
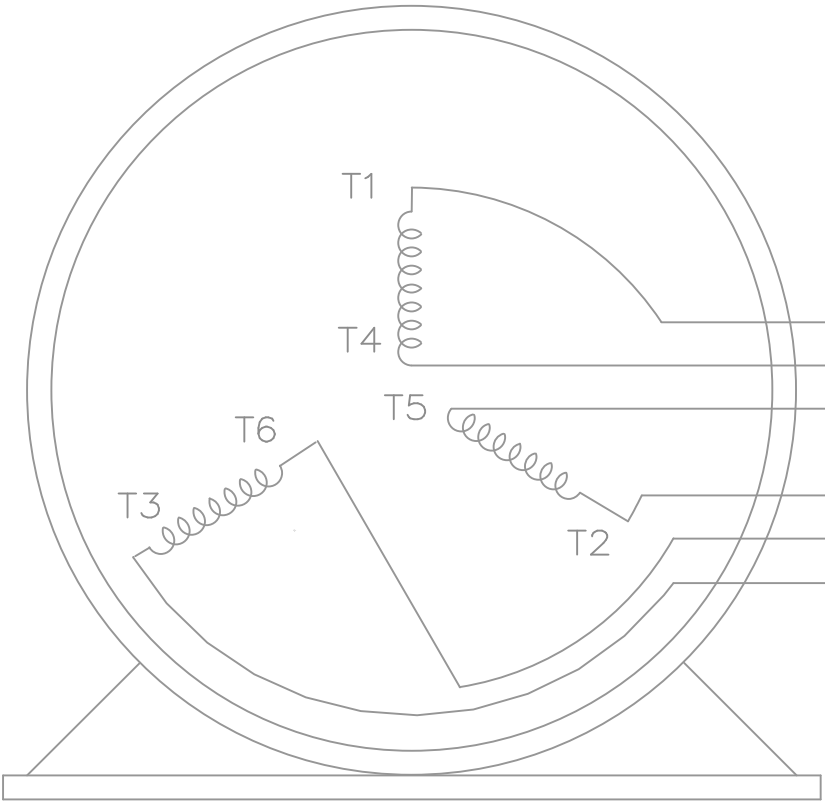


F2 VIEW

												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	IB	.X	±.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	APPD HNH 08-30-2001				
2127	444TS	33.50	18.00	13.96	14.50			2	ADDED DASH 2327 CN 29200-2238	NJS 02-22-02	DRS	.XXX	±.005	SCALE 1=5.5				
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	REF				
2677	447TS	39.00	23.50	19.46	20.00	16.50	16.50	NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH				
								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	DRAWING NO.	REV.
3177	449TS	44.00	28.50	24.46	25.00	20.00	20.00				DIST	BY		B		XK2D1SS2	4	



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	DRAWING NO.	PAGE OF
			DIST	WA-LB-SB		A	EE7340-LN	3



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7340-LN
OUTLINE: XK2D1SS2-3177
WINDING: L4492022

CAT #: LM16237

NONE 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
350	261	3600	3575	449TS	DP	TDR	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#380-415	368&454-410	VVE 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	92.5	3/4 LD PF	92.5	1/2 LD PF	90.5	95.0		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
514 LB-FT	2,550	920 LB-FT 179%	1,340 LB-FT 261%	65

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA		0.00 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
315 315						

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
0.009	0.004	0.067	0.052	4.169	0.150	ODE

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

DATE: 9/10/2018	BRAKE: NONE	
	NONE NONE	
	FT-LB: NA	
	VOLTAGE: NONE HZ:	

UL: V-INS, CONST UL REC	
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Data Sheet

Date: 9/10/2018

LM16237



Data @ 460 V

Motor Load Data

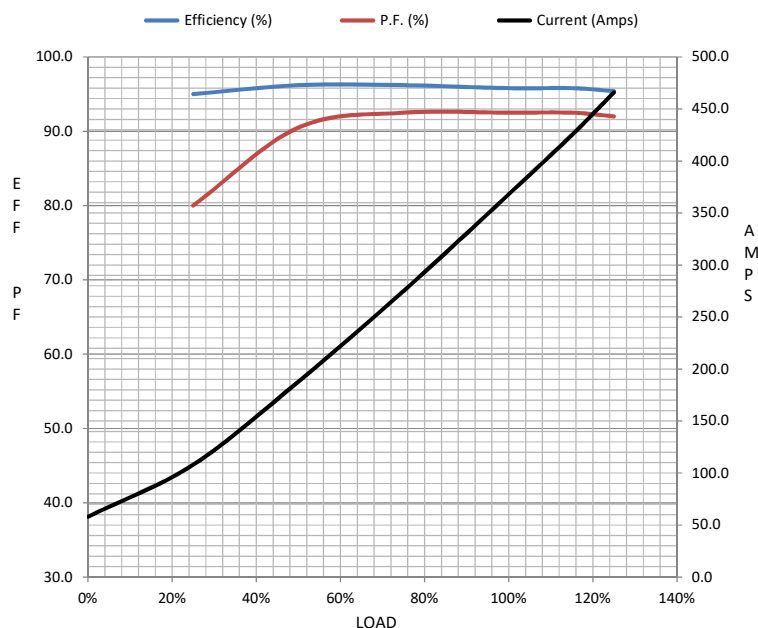
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	58.0	108	188	275	368	425	466	2,550	
Torque (ft-lb)	0.00	129	256	385	514	592	644	920	
RPM	3600	3594	3588	3581	3575	3,570	3567	0	
Efficiency (%)		95.0	96.2	96.2	95.8	95.8	95.4		
P.F. (%)	6.5	80.0	90.5	92.5	92.5	92.5	92.0	32.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3435	3575	3600
Current (Amps)	2,550	2,340	1,420	368	58.0
Torque (ft-lb)	920	874	1,340	514	0.00

Information Block

HP	350.0			
Sync. RPM	3600			
Frame	449			
Enclosure	DP			
Construction	TDR			
Voltage	460#380-415	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	0.00	Lb-Ft²		
Ref Wdg	L4492022	NONE		
Sound Pressure @ 1M	999	dBa		
VFD Rating	NONE			
Outline Dwg	XK2D1SS2-3177			
Conn. Diag	A-EE7340-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0090	0.0040	0.0670	0.0520	4.1690



Speed - Torque Curve

