

# PRODUCT INFORMATION PACKET



Model No: LM15129  
Catalog No: LM15129  
300 HP Special Voltage Motor, 3 phase, 1800 RPM, 575 V, 449T Frame, TEFC  
Special Voltage Motors

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### Nameplate Specifications

Output HP	300 Hp	Output KW	224.0 kW
Frequency	60 Hz	Voltage	575 V
Current	270.0 A	Speed	1787 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	447/449T	Enclosure	Totally Enclosed Fan Cooled
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	43
Number of Speeds	1		

### Technical Specifications


Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	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	T	Overall Length	52.08 in
Frame Length	32.41 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7340-LN	Outline Drawing	XK2F1SS1-3167

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NOTES:

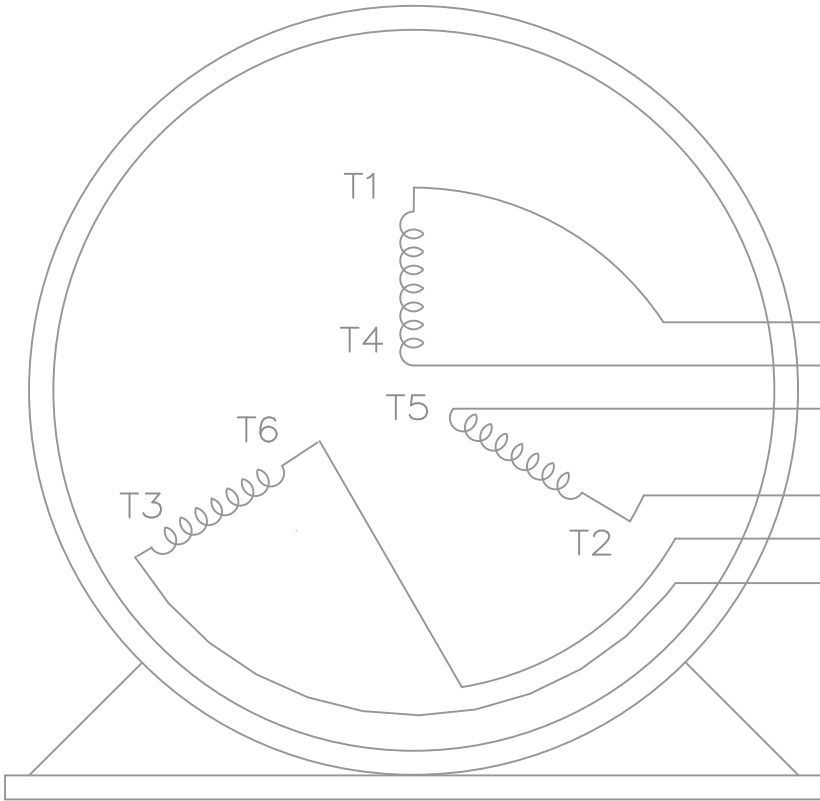
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

2117	444T	41.58	--	18.00	14.50			14.62
2317	445T	43.58	--	20.00	16.50	14.50	14.50	16.64
2667	447T	47.08	--	23.50	20.00	16.50	16.50	20.14
3167	449T	52.08	--	28.50	25.00	20.00	20.00	25.14
DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS

7	CORRECTED NEMA DIMENSIONS	CN09-1257	TJW 4/15/2009	CTO	TOLERANCES UNLESS SPECIFIED		DRAWN MSG 09-19-2001
6	REDRAWN IN SOLIDWORKS		RWR 2/19/2009	TB	DEC. INCHES		CHK ML 09-21-2001
5	REPLACED BLOWER SHROUD PER ISAAC 08-5529		MSG 01-06-2009	MSG.	±.1		APPD HNH 09-24-2001
4	CORRECTED C'BOX PER MU60939		CTO 09-09-2004	HNH	.XX ±.03		SCALE 1=6
3	ADDED DRAIN PLUG PER BRACKET CHANGE CN 37358	MSG 05-07-2004	ML .XXX ±.005		TITLE OUTLINE NEMA MOTORS 440T TEFC UEI		REF
2	DRAWING REPLACES 3XSF126FSK-1	CN 34258	TJB 10-01-2001		.XXXX ±.0005	MAT'L	FMF
NO.	REVISION		BY & DATE	CHK	ANG ±7°30"	FINISH	PREV
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RFP DIST BY						CAD FILE xk2f1ss1	DRAWING NO. PAGE OF REV. XK2F1SS1 7



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		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±'30"	FINISH	PREV	
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			DIST	WA-LB-SB				

## Data Sheet

Date: 9/4/2018

LM15129



Data @ 575 V

## Motor Load Data

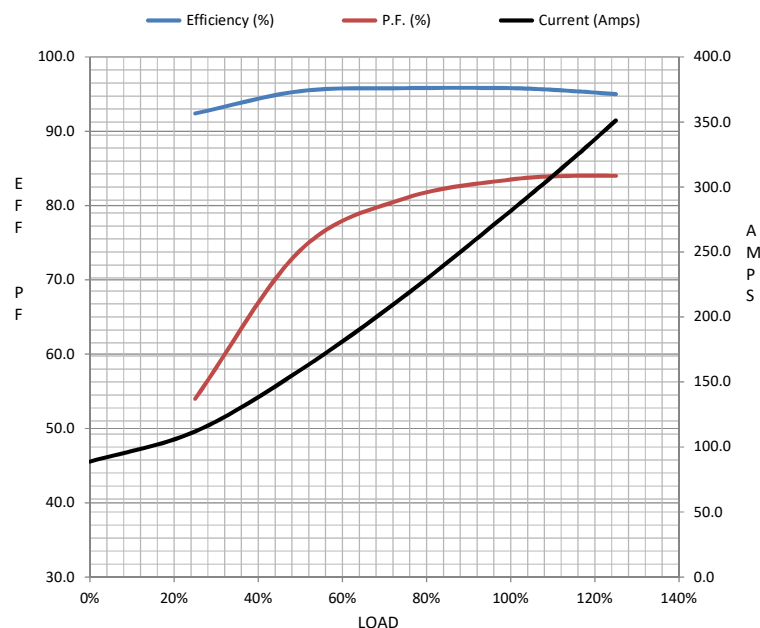
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	88.8	112	159	217	282	322	351	1,760	
Torque (ft-lb)	0.00	219	440	661	883	1,017	1,107	2,050	
RPM	1800	1795	1793	1790	1785	1,782	1780	0	
Efficiency (%)		92.4	95.4	95.8	95.8	95.4	95.0		
P.F. (%)	4.0	54.0	74.0	81.0	83.5	84.0	84.0	34.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1785	1800
Current (Amps)	1,760	1,580	1,140	282	88.8
Torque (ft-lb)	2,050	1,850	2,050	883	0.00

## Information Block

HP	300.0			
Sync. RPM	1800			
Frame	447			
Enclosure	TEFC			
Construction	TFR			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
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	L4474028 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	XK2F1SS1-2667			
Conn. Diag	A-EE7340-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0160	0.0100	0.1240	0.1670	3.7360



## Speed - Torque Curve

