

# PRODUCT INFORMATION PACKET



Model No: LM13583  
Catalog No: LM13583  
250,1800,TEFC,447TC,3/60/460

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### Nameplate Specifications

Phase	3	Output HP	250 & 250 Hp
Output KW	187.0 & 187.0 kW	Voltage	460 & 415 V
Speed	1785 & 1486 rpm	Service Factor	1.15 & 1.0
Frame	447TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	283 & 315 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	BC	KVA Code	G
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

### Technical Specifications

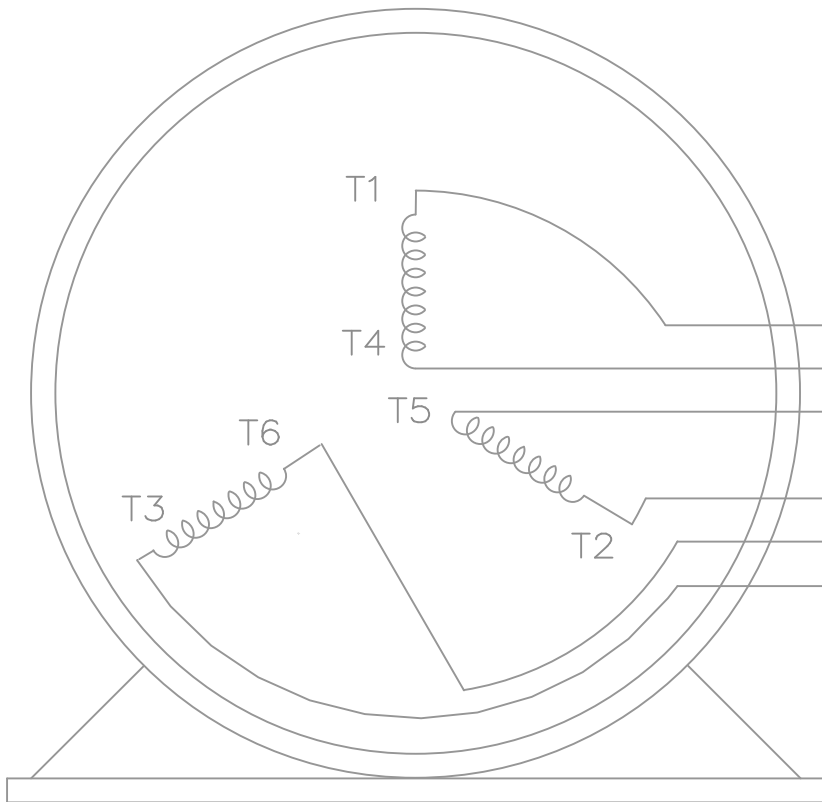
Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.019 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	XK2F1SC1-2667	Connection Drawing	A-EE7340-LN

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			DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS			
			2117	444T	41.49	33.24	18.00	14.50			14.20			
			2317	445T	43.49	35.24	20.00	16.50	14.50	14.50	16.20			
			2667	447T	46.99	38.74	23.50	20.00	16.50	16.50	19.70			
			3167	449T	51.99	43.74	28.50	25.00	20.00	20.00	23.95			
				TOLERANCES UNLESS SPECIFIED							DRAWN	BJK	08-13-2002	
				DEC.	INCHES						CHK	ML	08-13-2002	
				.X	±.1						APPD	HNH	08-19-2002	
3	REPLACED BLOWER SHROUD PER ISAAC 08-5529	MSG 01-08-2009	MSG .XX	±.03	TITLE OUTLINE NEMA MOTORS					SCALE	3=20			
2	#14.010/13.990 WAS #13.518/13.498 CN 32990	DRS 02-17-2005	ML .XXX	±.005	440T TEFC UE DE C-FACE					REF				
1	NEW DRAWING	BJK 08-19-2002	HNH .XXXX	±.0005	MAT'L					FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±730"	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 xk2f1sc1			SIZE	DRAWING NO.	PAGE	OF	REV.
						DIST BY				B	XK2F1SC1		2	3



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	±7'30"		FINISH					PREV	
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			DIST WA-LB-SB							A	EE7340-LN		3