

PRODUCT INFORMATION PACKET

Model No: LM21217

Catalog No: LM21217

Speed Ratio Motors, TEFC, 50 HP, 3 Ph, 60 Hz, 230/460 V, 1782 RPM, 326T Frame



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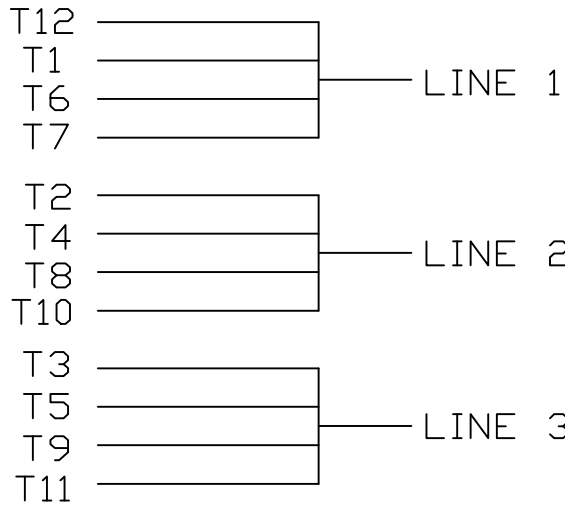
Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	129.0/64.5 A	Speed	1782 rpm
Service Factor	1	Phase	3
Efficiency	93 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	G
Frame	326T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	311	Opp Drive End Bearing Size	309
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

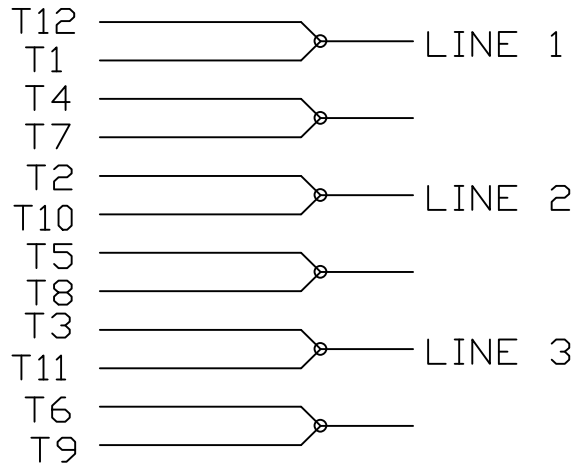
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.17 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	30.00 in
Frame Length	17.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 4:1		
Outline Drawing	XG2F1SS1-1700	Connection Drawing	A-EE7308BZ-LN

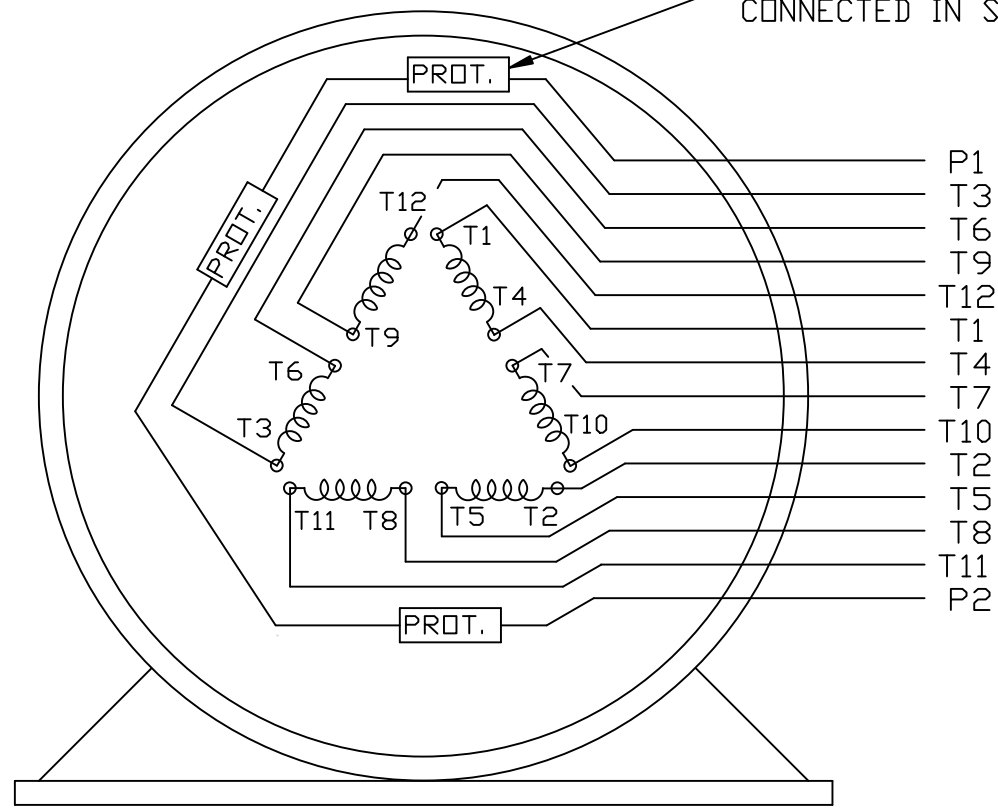
LOW VOLTAGE



HIGH VOLTAGE



THERMO - PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX± XXXX± ANGLES±				
2	08/17/2011	REMOVED NOTE '12 LEADS SINGLE VOLTAGE'	MU103768		RFH	MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY KL	12-11-2000
1	12-11-2000	NEW DRAWING	MU34925		KL	FINISH		CHKD BY DJK	12-11-2000
REV	DATE	CHANGE			NAME	MATERIAL		APPD BY DJK	12-11-2000
					PART NAME			DRWG NO	
					3 PHASE - 2/1 DELTA - 12 LEADS			A- EE7308BZ-LN	
					PURCHASED		CADD FILE NO.	EE7308BZ-LN	

Data Sheet

Date: 2/1/2018

LM21217



Data @ 460 V

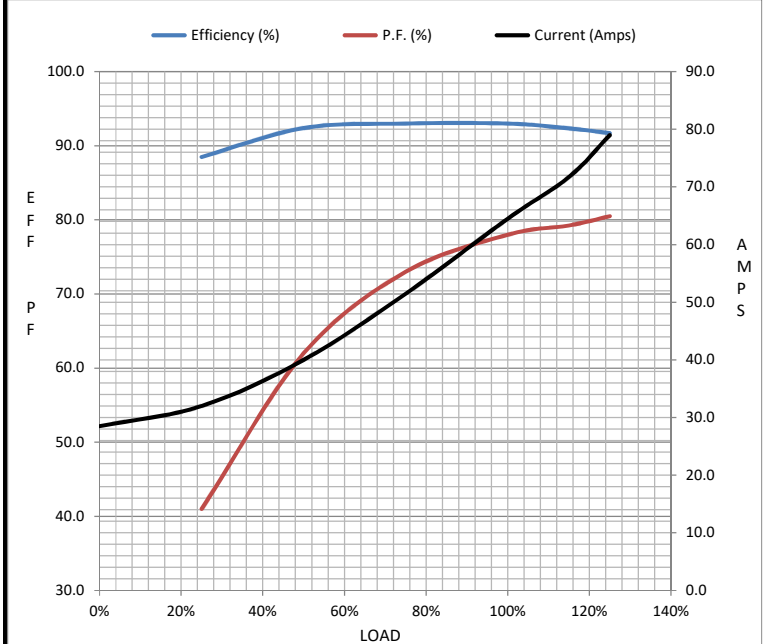
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	28.5	32.0	40.0	51.5	64.5	71.8	79.0	350
Torque (ft-lb)	0.00	36.5	73.5	110	147	166	185	290
RPM	1800	1795	1792	1788	1782	1779	1775	0
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7	
P.F. (%)	4.5	41.0	62.0	73.0	78.0	79.3	80.5	38.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1782	1800
Current (Amps)	350	300	175	64.5	28.5
Torque (ft-lb)	290	250	320	147	0.00

Information Block				
HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.0			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	C3264041 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 4:1			
Outline Dwg	XG2F1SS1-1700			
Conn. Diag	A-EE7308BZ-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1190	0.0430	0.4400	0.8220	9.8880



Speed - Torque Curve

