PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: LM13837, Catalog No:LM13837 General Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 1800 & 1500 RPM, 324TC Frame, DP

Nameplate Specifications

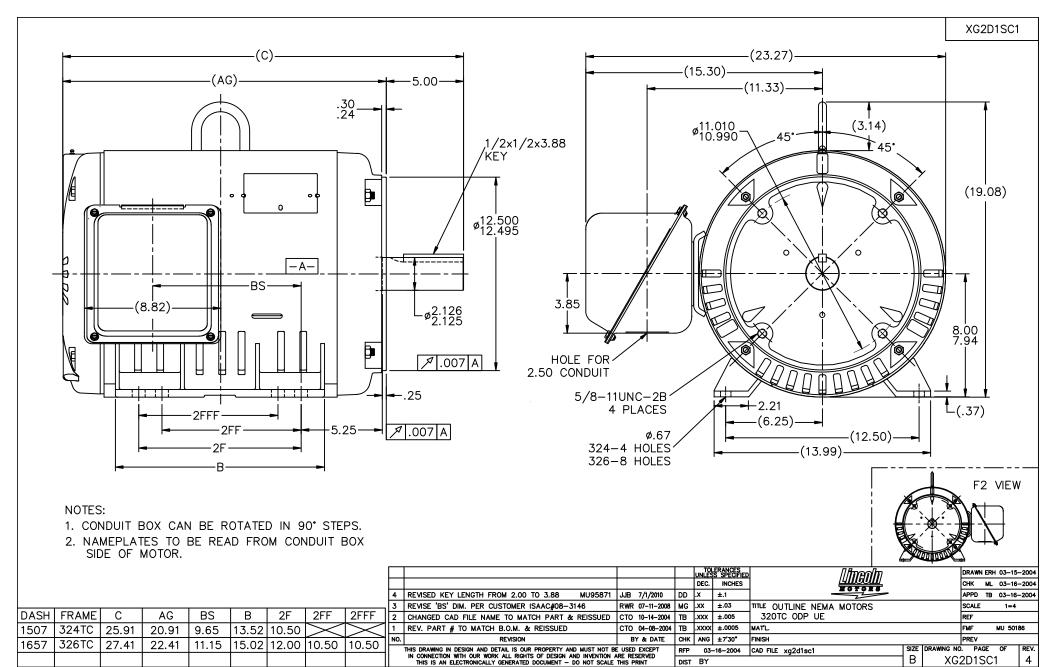
Phase	3	Output HP	40 & 30 Hp			
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 380-415 V			
Speed	1782 & 1485 rpm	Service Factor	1.25 & 1.0			
Frame	324TC	Enclosure	Drip Proof			
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	103/51.5 & 47.5-46.5 A	Power Factor	77			
Duty	Continuous	Insulation Class	F			
Design Code	BC	KVA Code	F			
Drive End Bearing Size	311	Opp Drive End Bearing Size	309			
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	.142 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	25.91 in
Frame Length	15.07 in	Shaft Diameter	2.125 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308AA-LN	Outline Drawing	XG2D1SC1-1507

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				A-EE7308AA-LN
	6 _ 7 _			
T T T	2 – 4 – 8 –	L2		
Т Т	3 – 5 – 9 –	LOW VOLTAGE		$\begin{array}{c} T \\ T $
				T_{6} T_{7} T_{10}
	T 2 - T - T 4 - T 7 -			T3 T8 T5 T10 T2 10 T5 T5 10 T8 T5 T10 T5 10 T11 T2 T8 T11
	T2 - TI0- T5 -	L2		Т3
	t8 – t3 – t11– t6 –	L3		VIEW OF TERMINAL END
	т9 — Н	HIGH VOLTAGE		
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES±7'30"
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR	MAX. SURFACE ROUGHNESS BY TRB 07-16-1999
	06-18-1999	NEW DRAWING	TRB	
REV	DATE	CHANGE	NAME	PART NAME 3 PHASE CONNECTION DIAGRAM
	<u> </u>	1	1	PURCHASED CADD FILE NO. EE730BAALN

ERROR: undefined OFFENDING COMMAND: Pscrip

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DI DUTLINE: WINDING:		A-EE7308A XG2D1SC1 L3244031		NONE	1				CAT #:	LM	113837			
				TY		MOTOR	PERFORI	MANCE	DATA					
HP	кw	SI	NC RPM	FL R	РМ	FRAME		ENCLOSURE		TYPE	KVA COI	DE	DESIGN	
40	30	30 1800 17		178	82 324TC		24TC	DP		TDR F		BC		
РН	HZ	,	VOLTS AMPS			START TYPE				INSL	S.F.	АМВ	ELEV.	
3	60/50		60#380-415	AMPS 103/51.5&47.5-46.5		WYE START DELTA RUI		CONT		F	1.15	40	3300	
F.L. EFF				3/4 LD EFF 94.1 3/4 LD PF 72.5		1/2 LD EFF 1/2 LD PF					PE			
	F.L. PF	77.0		3/4 LD FF	72.5			63.0	1		SQ CAGE IND			
F.L. TO	RQUE LB-FT		LR AMPS @ 265	460 V	225	L.R. TORQ	UE 191%	250	B.D. TORQU	JE 212%	F.L. RISE ((°C)		
110			203		225	LD-FI	19170	230	LD-FI	21270	30			
PRESSU	RE @ 3	SOUND	POWER	ROTOR		MAX. LOAD WK ²		SAFE S	TALL TIME	STARTS/HOUR			OR WGT	
75	dBA	84	dBA	0.00	LB-FT ²	0	LB-FT ²	0	SEC.		0	0	LB.	
DE BRA	OVET			MOUNT				-		DRIP	1	1		
TYP		ODE BF	RACKET TYPE			TOR SEVERE		HAZARDOUS LOCATION		COVER	SCREENS	PAINT		
C-FACE		ST	ANDARD					N	NONE NO		NONE	WATTSAVER		
DEADI	NCS													
DE ODE BALL BALL POLYREX EM		SHAFT	SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIA			
		POLYREX EM		т		NONE		NONE		1045 HOT ROLLED (C-204)		ROLLED STEEL		
311	309													
						THERMISTORS				SPACE HEATERS				
THERMOSTATS NONE		PRC	NOT	WDG RTD's NONE		BRG RTD's NONE		THERMISTORS NONE			FALSE		NA	
							0.12							
R1 (ohms/ph)		· · · ·		ohms/ph) X2 (ohms/ph) 0.574 0.929		Xm (ohms/ph) 12.408		VIBRATION (in/sec)		FLOAT				
0.092 0.057		0.057	0.57	′4	0	.929	1	2.408	().150		ODE		
*														
N								INVERTER TORQUE: NONE						
0							INV. HP SPEED RANGE: NONE							
T E							ENCODER: NONE							
s					NONE									
					NONE NONE F				PPR					
									BRAKE:	NONE				
					NONE NONE									
	DATE:	9	/10/2018						FT-LB:		NA			
									VOLTAGE:		IONE		н	

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