

PRODUCT INFORMATION PACKET



Model No: LM14815
Catalog No: LM14815
General Purpose Motor, 75 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 1800 & 1500 RPM,
365T Frame, DP



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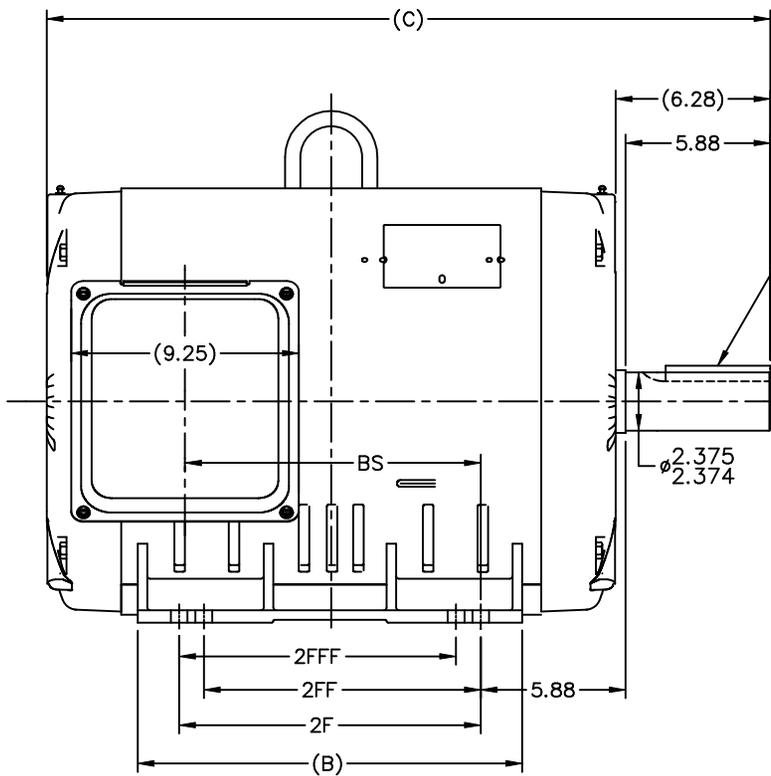


Nameplate Specifications

Phase	3	Output HP	75 & 75 Hp
Output KW	56.0 & 56.0 kW	Voltage	230/460 & 380-415 V
Speed	1782 & 1475 rpm	Service Factor	1.25 & 1.15
Frame	365T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	176/88 & 106-100 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	BC	KVA Code	G
Drive End Bearing Size	6213	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

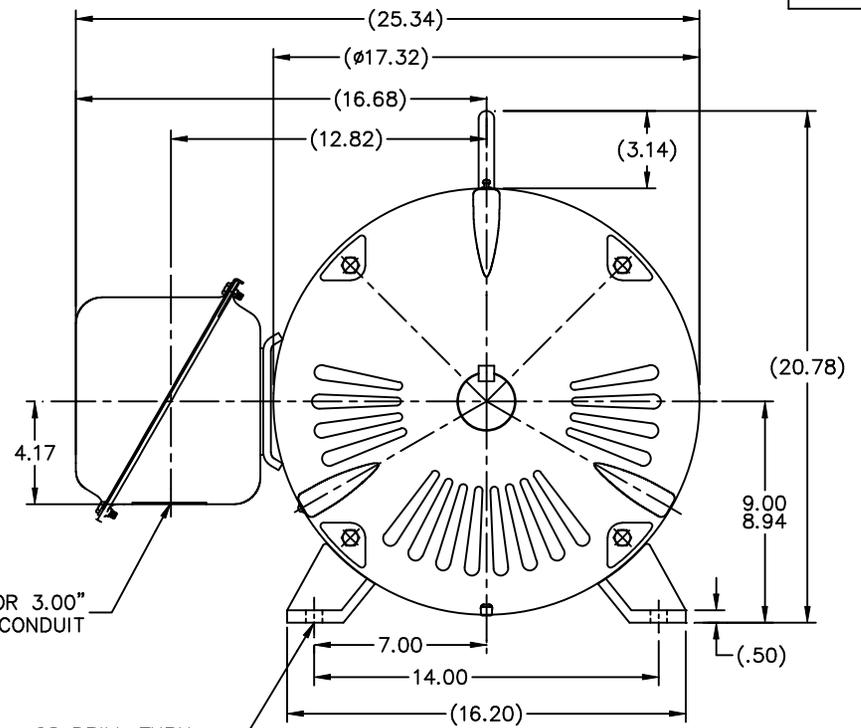
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.067 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	29.40 in
Frame Length	16.48 in	Shaft Diameter	2.375 in
Shaft Extension	5.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	XH2D1SS1-1648	Connection Drawing	EE7308AA-LN



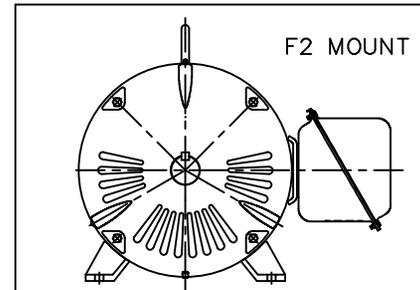
.62x.62x4.25
KEY

2.375
2.374



HOLE FOR 3.00"
CONDUIT

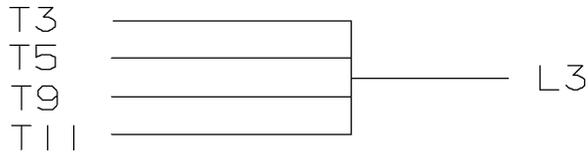
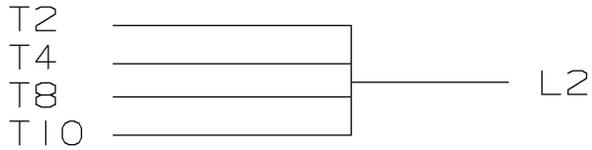
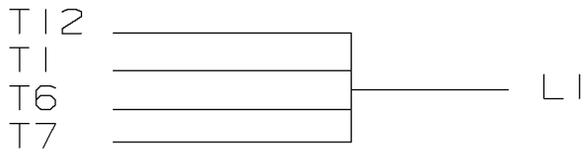
Ø.68 DRILL THRU
364 - 2 HOLES EACH SIDE
365 - 4 HOLES EACH SIDE



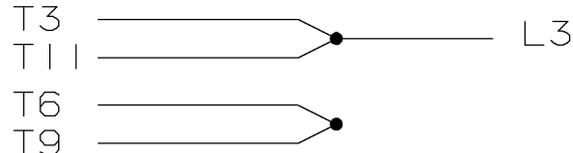
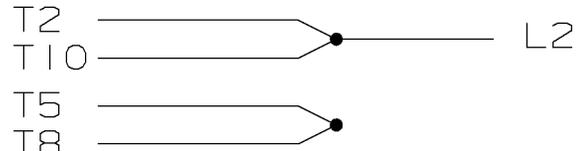
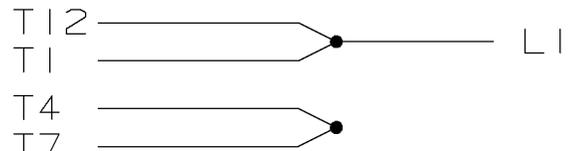
NOTES:
1. NAMEPLATES TO BE READ FROM CONDUIT BOX
SIDE OF MOTOR.

DASH	FRAME	C	B	2F	2FF	2FFF	BS
1548	364T	28.40	14.61	11.25	11.25	11.25	11.02
1648	365T	29.40	15.61	12.25	11.25	11.25	12.02

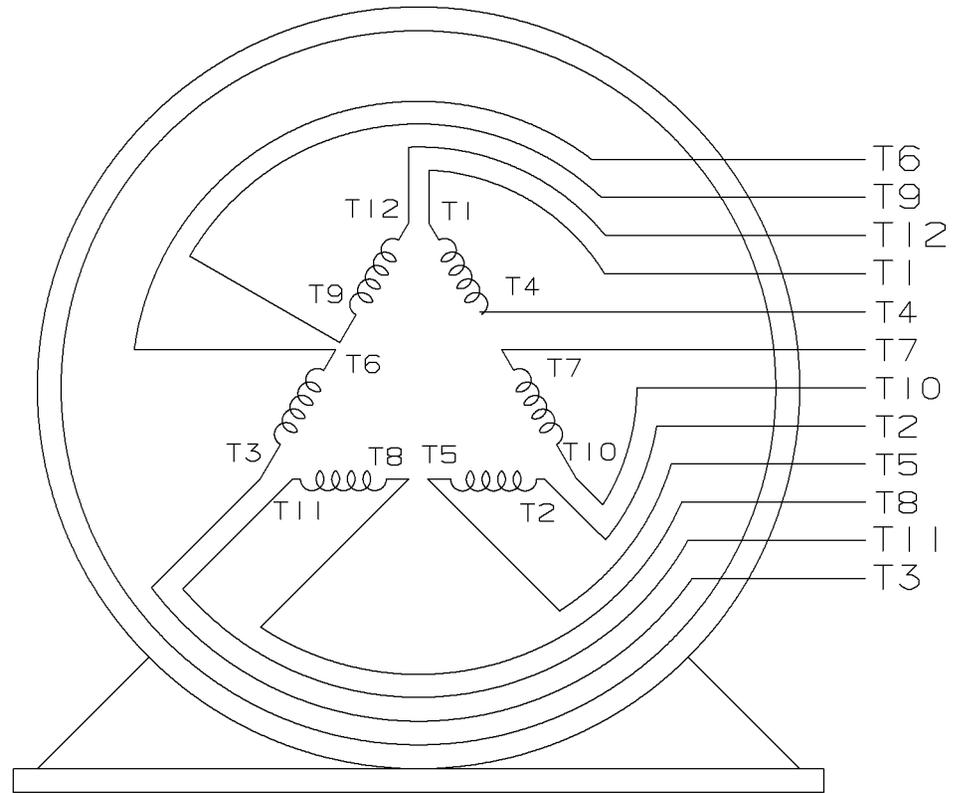
		TOLERANCES UNLESS SPECIFIED		Lincoln ROTOR		DRAWN TJB 08-07-2001	
		DEC.	INCHES	CHK	DRS	09-04-2001	
		.X	±.1	APPD		HNH 09-04-2001	
2	ADDED DASH 1548, REVISED PART NAME; U.E.I. WAS U.E. CN34267	MSG	09-25-2001	.XX	±.03	TITLE OUTLINE NEMA MOTORS	
1	NEW DRAWING MU37565	TJB	09-04-2001	.XXX	±.005	360T FRAME OPD UEI	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	REF
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	09-04-2001	CAD FILE	xh2d1ss1	SIZE	DRAWING NO. PAGE 1 OF 1 REV.
		DIST	BY	B	XH2D1SS1	2	



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

					<input checked="" type="checkbox"/> 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 UNLESS OTHERWISE NOTED	
1	06-18-1999	NEW DRAWING	TRB	FINISH		CHKD BY ML 06-18-1999	
				MATERIAL		APPD BY GK 06-18-1999	
REV	DATE	CHANGE	NAME	PART NAME 3 PHASE CONNECTION DIAGRAM 2/1 DELTA - 12 LEADS		DRWG NO A- EE7308AA-LN	

PURCHASED

CADD FILE NO.

EE7308AALN

ERROR: undefined
OFFENDING COMMAND: Pscrip

STACK:



**2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810**

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7308AA-LN

CATALOG #: LM14815

OUTLINE: XH2D1SS1-1648

WINDING #: L3654030 1

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&75	56.0&56.0	1800	1782&1475	365T	DP	G	BC

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&380-415	176/88&106-100	WYE START DELTA RUN	CONTINUOUS	F1	1.25/1.15	40

FULL LOAD EFF:	95&94.1	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	84&85	3/4 LOAD PF:	81	1/2 LOAD PF:	73.5	94.1		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	1084 / 542	495 LB-FT 224 %	500 LB-FT 226 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
76 dBA	86 dBA	0 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6213	6311						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE:	NONE
INV. HP SPEED RANGE:	NONE
ENCODER:	NONE NONE NONE NONE NONE PPR
BRAKE:	NONE NONE NONE P/N NONE NONE NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/24/2018

LM14815



Data @ 460 V

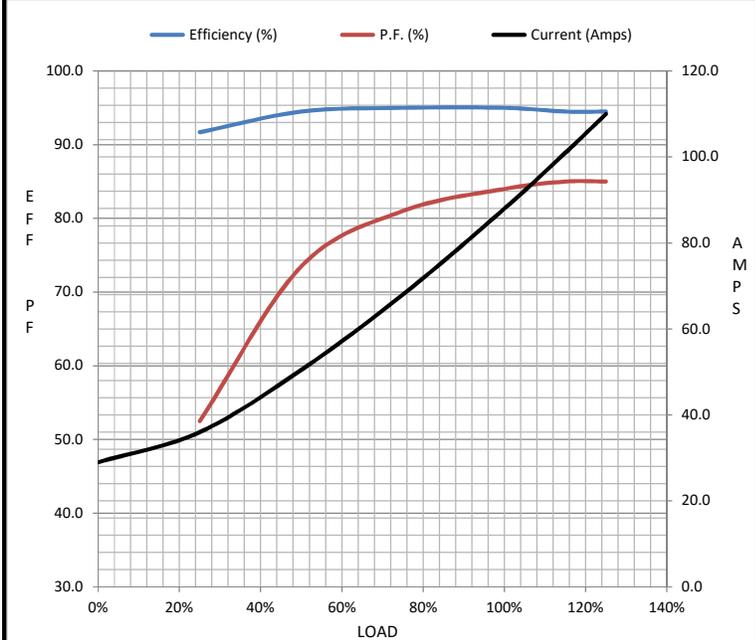
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	29.0	36.0	50.5	68.0	88.0	101	110	542
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	495
RPM	1800	1795	1790	1785	1782	1.778	1775	0
Efficiency (%)		91.7	94.5	95.0	95.0	94.5	94.5	
P.F. (%)	3.5	52.5	73.5	81.0	84.0	85.0	85.0	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1782	1800
Current (Amps)	542	488	292	88.0	29.0
Torque (ft-lb)	495	420	500	221	0.00

Information Block				
HP	75.0			
Sync. RPM	1800			
Frame	365			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#380-415 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	L3654030 NONE			
Sound Pressure @ 1M	76 dBA			
VFD Rating	NONE			
Outline Dwg	XH2D1SS1-1648			
Conn. Diag	EE7308AA-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0450	0.0300	0.3210	0.4610	9.1850



Speed - Torque Curve

