

PRODUCT INFORMATION PACKET



Model No: LM32754

Catalog No: LM32754

General Purpose Motor, 75 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 3600 & 3000 RPM,
364T Frame, DP



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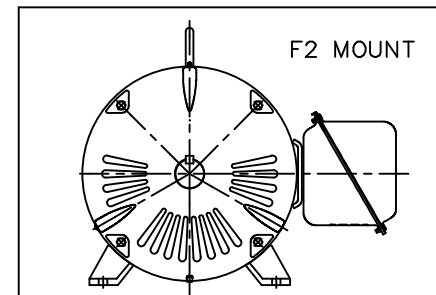
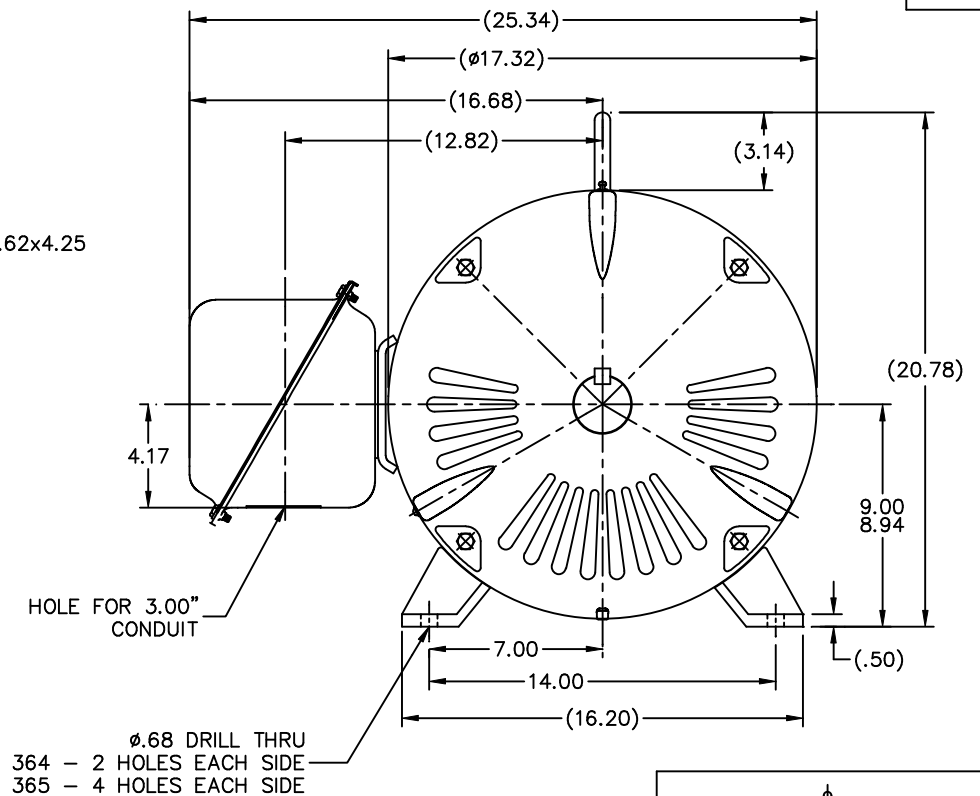
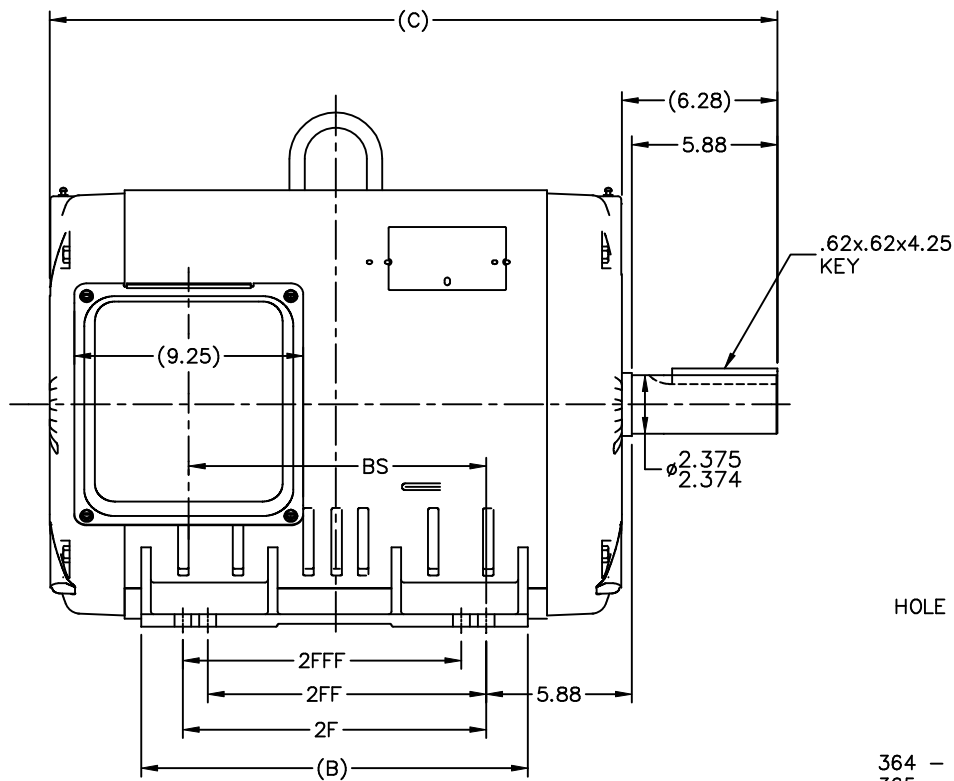
Nameplate Specifications

Phase	3	Output HP	75 & 75 Hp
Output KW	56.0 & 56.0 kW	Voltage	230/460 & 380-415 V
Speed	3560 & 2965 rpm	Service Factor	1.25 & 1.15
Frame	364T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	164/82 & 98-92 A	Power Factor	91.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	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	2	Rotation	Reversible
Resistance Main	.0655 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	28.40 in
Frame Length	15.48 in	Shaft Diameter	2.375 in
Shaft Extension	5.88 in	Assembly/Box Mounting	F1 Only
Connection Drawing	A-EE7308AA-LN	Outline Drawing	XH2D1SS1-1548

XH2D1SS1



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			11.02
1648	365T	29.40	15.61	12.25	11.25	11.25	12.02

		TOLERANCES UNLESS SPECIFIED					
		DEC.	INCHES				
		.X	±.1				
2	ADDED DASH 1548, REVISED PART NAME; U.E.I. WAS	.XX	±.03	TITLE OUTLINE NEMA MOTORS		DRAWN TJB 08-07-2001	
	U.E. CN34267	.XXX	±.005	360T FRAME OPD UEI		CHK DRS 09-04-2001	
1	NEW DRAWING MU37565	.XXXX	±.0005	MAT'L		APPD HNH 09-04-2001	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	SCALE 1=5	
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	REF	
				DIST	BY	FMF	
				CAD FILE xh2d1ss1		PREV	
				SIZE B		DRAWING NO. XH2D1SS1	
						PAGE 1 OF 1	
						REV. 2	

T12 _____
 T1 _____
 T6 _____ L1
 T7 _____

T2 _____
 T4 _____
 T8 _____ L2
 T10 _____

T3 _____
 T5 _____
 T9 _____ L3
 T11 _____

LOW VOLTAGE

T12 _____ L1
 T1 _____

T4 _____
 T7 _____

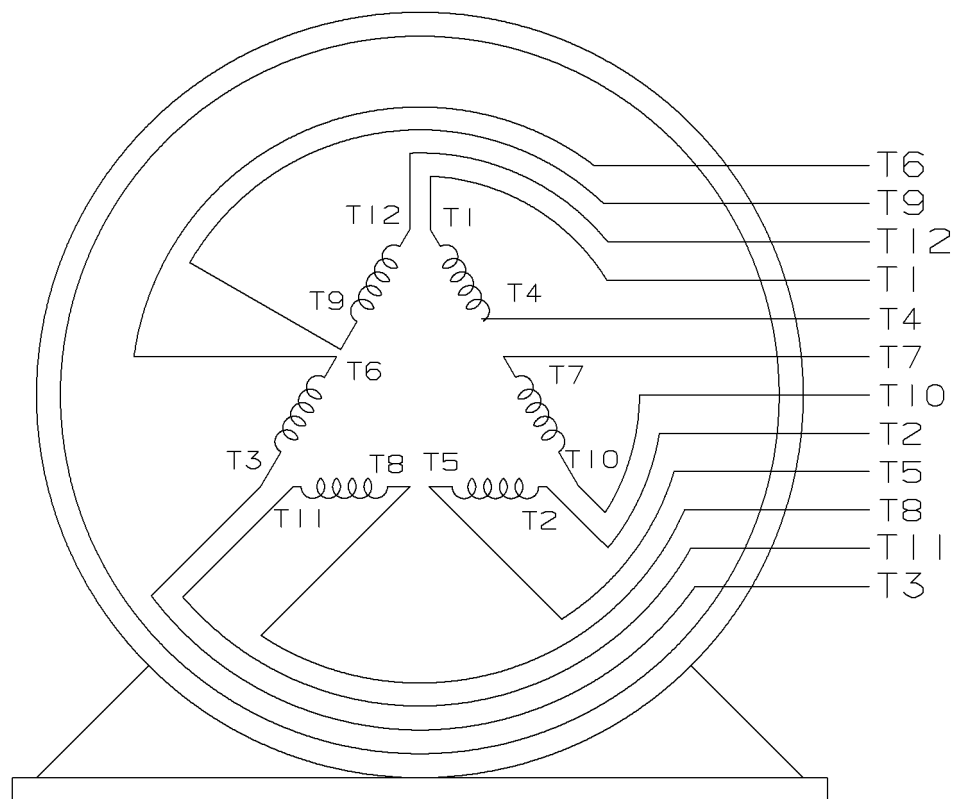
T2 _____ L2
 T10 _____

T5 _____
 T8 _____

T3 _____ L3
 T11 _____

T6 _____
 T9 _____

HIGH VOLTAGE



VIEW OF TERMINAL END

					✓ 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		DRAWN BY TRB 07-16-1999
					FINISH		CHKD BY ML 06-18-1999
1	06-18-1999	NEW DRAWING	TRB		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:



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308AA-LN

CAT #: LM32754

OUTLINE: XH2D1SS1-1548

WINDING: L3642001

NONE 7

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
75	56	3600	3560	364T	DP	TDR	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#380-415	164/82&98-92	HYE START DELTA RUN	CONT	F	1.15	40	3300

F.L. EFF	95.0	3/4 LD EFF	95.0	1/2 LD EFF	95.0	GTD EFF		ELECT. TYPE	
F.L. PF	91.5	3/4 LD PF	91.0	1/2 LD PF	87.5	94.1		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
110 LB-FT	542	190 LB-FT 173%	275 LB-FT 250%	30

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
82 dBA	91 dBA		8.0 LB-FT²	0 LB-FT²	20 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTS AVER

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
6313 6311						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.041	0.026	0.355	0.314	16.821	0.150	ODE

* N O T E S *			INVERTER TORQUE: NONE
			INV. HP SPEED RANGE: NONE
			ENCODER: NONE
			NONE
			NONE PPR

DATE: 9/10/2018	BRAKE: NONE	
	NONE NONE	
	FT-LB: NA	
	VOLTAGE: NONE HZ:	

UL: V-INS, CONST UL REC

Data Sheet

Date: 9/10/2018

LM32754



Data @ 460 V

Motor Load Data

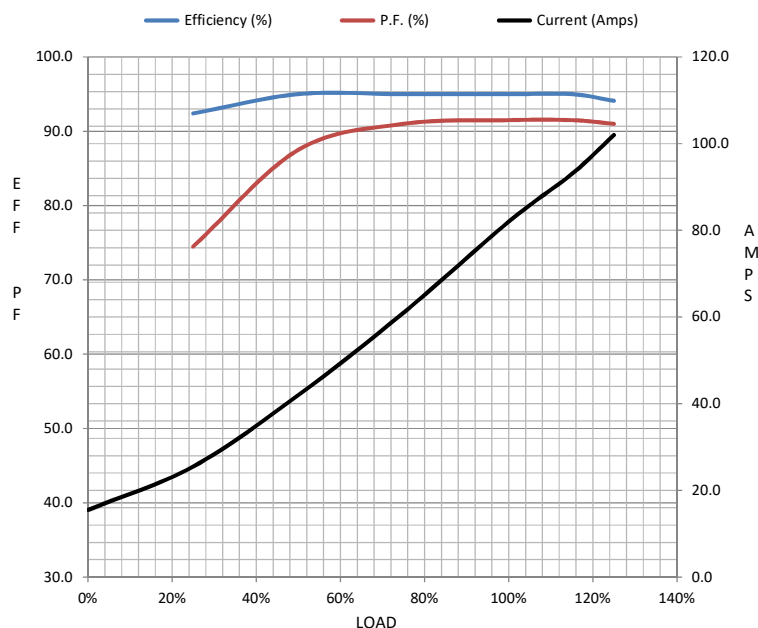
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	15.5	25.5	42.0	61.0	82.0	93.0	102	542	
Torque (ft-lb)	0.00	27.5	55.0	82.5	110	127	138	190	
RPM	3600	3595	3580	3570	3560	3,555	3550	0	
Efficiency (%)		92.4	95.0	95.0	95.0	95.0	94.1		
P.F. (%)	7.5	74.5	87.5	91.0	91.5	91.5	91.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3400	3560	3600
Current (Amps)	542	510	365	82.0	15.5
Torque (ft-lb)	190	170	275	110	0.00

Information Block

HP	75.0			
Sync. RPM	3600			
Frame	364			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#380-415	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	30	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	8.0	Lb-Ft²		
Ref Wdg	L3642001	NONE		
Sound Pressure @ 1M	82	dBA		
VFD Rating	NONE			
Outline Dwg	XH2D1SS1-1548			
Conn. Diag	A-EE7308AA-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0410	0.0260	0.3550	0.3140	16.8210



Speed - Torque Curve

