

PRODUCT INFORMATION PACKET



Model No: LM32758

Catalog No: LM32758

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190-208/380-415 V,
3600 & 3000 RPM, 404T Frame, DP



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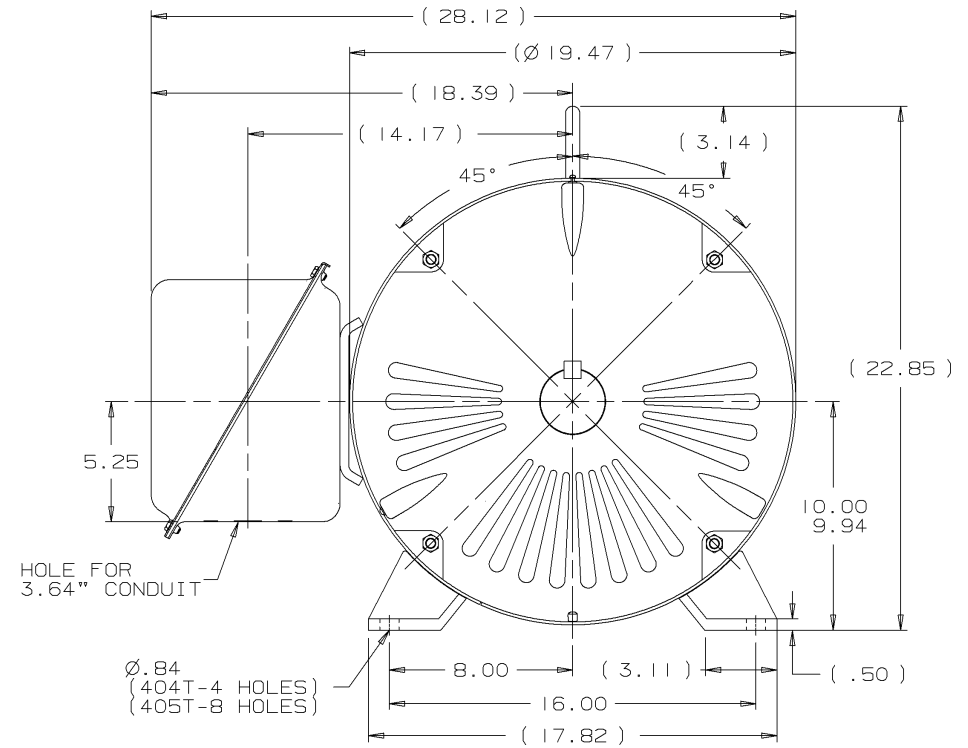
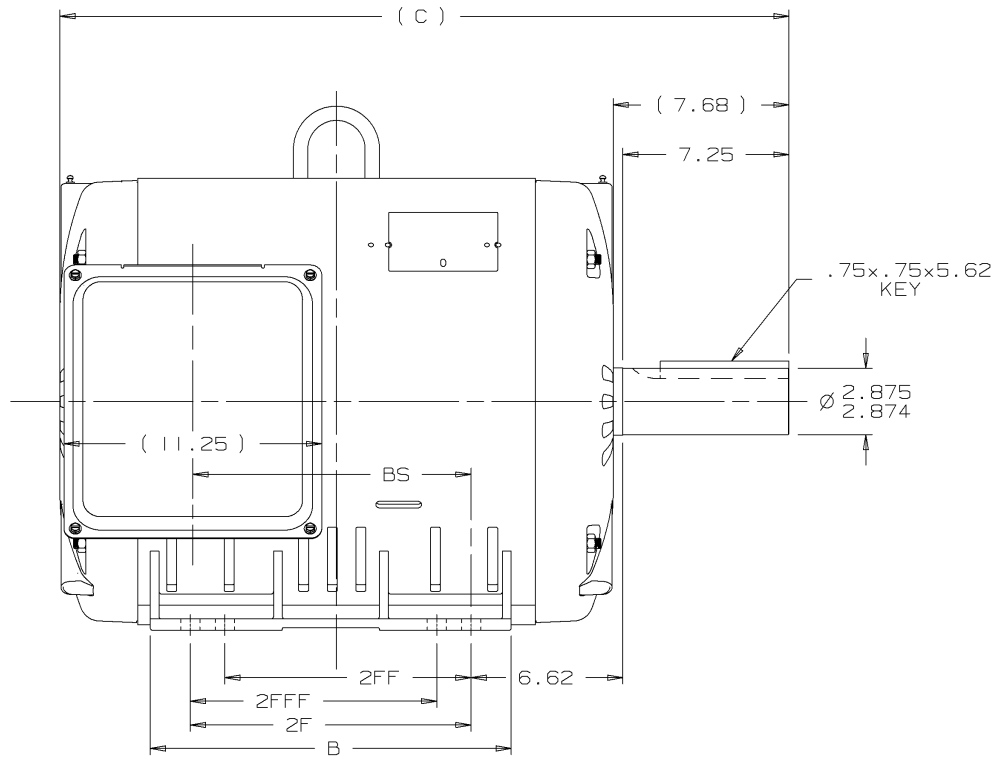


Nameplate Specifications

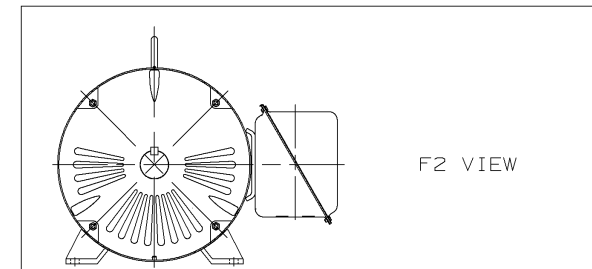
Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	230/460 & 190-208/380-415 V
Speed	3570 & 2972 rpm	Service Factor	1.25 & 1.15
Frame	404T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	276/138 & 268-258/134-129 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6315	Opp Drive End Bearing Size	6313
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	.031 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	31.81 in
Frame Length	17.35 in	Shaft Diameter	2.875 in
Shaft Extension	7.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	XJ2D1SS1-1735	Connection Drawing	A-EE7308AA-LN



- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.



DASH	FRAME	C	B	2F	2FF	2FFF	BS	REV	DATE	CHANGE	NAME	PART NAME	OUTLINE	NEMA MOTORS	DRWG NO
1735	404	31.81	15.75	12.25			12.14	I	08-31-2001	NEW DRAWING	TJB	400T ODP UE			XJ2DISSI
1885	405	33.31	17.25	13.75	10.75	10.75	13.64								
								REV	DATE	CHANGE	NAME	DISTRIBUTION W - W - W - BY CADD FILE NO. XJ2DISSI			



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7'30"			
✓ MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED	DRAWN BY TJB		08-21-2001
FINISH	CHKD BY ML		08-23-2001
MATERIAL	APPD BY HNH		08-29-2001

T12 _____
 T1 _____
 T6 _____ L1
 T7 _____

T2 _____
 T4 _____
 T8 _____ L2
 T10 _____

T3 _____
 T5 _____
 T9 _____ L3
 T11 _____

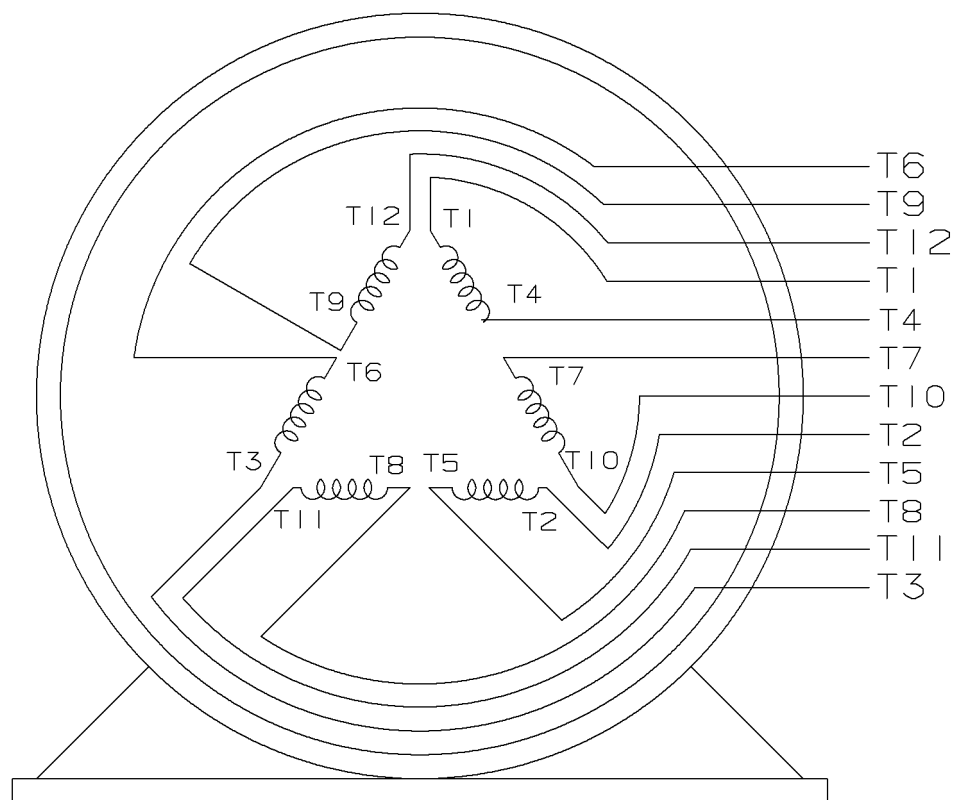
LOW VOLTAGE

T12 _____ L1
 T1 _____
 T4 _____
 T7 _____
 T2 _____
 T10 _____ L2

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 #: LM32758

OUTLINE: XJ2D1SS1-1735

WINDING: L4042005

NONE 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
125	93	3600	3570	404T	DP	TDR	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190-208/380-415	276/138&268-258/134-12	WYE START DELTA RUN	CONT	F	1.15	40	3300

F.L. EFF	95.0	3/4 LD EFF	94.5	1/2 LD EFF	93.0	GTD EFF	94.1	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	90.0	3/4 LD PF	89.5	1/2 LD PF	85.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
184 LB-FT	907	280 LB-FT 152%	525 LB-FT 285%	45

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA		13.5 LB-FT²	0 LB-FT²	0 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	WATTSaver

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
6315 6313						

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
0.025	0.015	0.217	0.133	7.643	0.150	ODE

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

LM32758



Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	36.0	49.5	75.0	105	138	158	170	907	
Torque (ft-lb)	0.00	45.5	91.5	138	184	212	230	280	
RPM	3600	3595	3585	3580	3570	3,565	3562	0	
Efficiency (%)		89.5	93.0	94.5	95.0	95.0	94.5		
P.F. (%)	9.5	69.5	85.0	89.5	90.0	91.0	91.5	27.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1800	3425	3570	3600	HP	125.0
Current (Amps)	907	875	575	138	36.0	Sync. RPM	3600
Torque (ft-lb)	280	250	525	184	0.00	Frame	404
						Enclosure	DP
						Construction	TDR
						Voltage	230/460#190-208/380-415 V
						Frequency	60 Hz
						Design	A
						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	13.5 Lb-Ft ²
						Ref Wdg	L4042005 NONE
						Sound Pressure @ 1M	999 dBA
						VFD Rating	NONE
						Outline Dwg	XJ2D1SS1-1735
						Conn. Diag	A-EE7308AA-LN
Additional Specifications:							
0							
0							
EQUIV CKT (OHMS / PHASE)							
R1		R2	X1		X2	Xm	
0.0250		0.0150	0.2170		0.1330	7.6430	

Speed - Torque Curve

