PRODUCT INFORMATION PACKET

Model No: LM13702
Catalog No: LM13702
444T TEFC 100HP1200 460000000/360

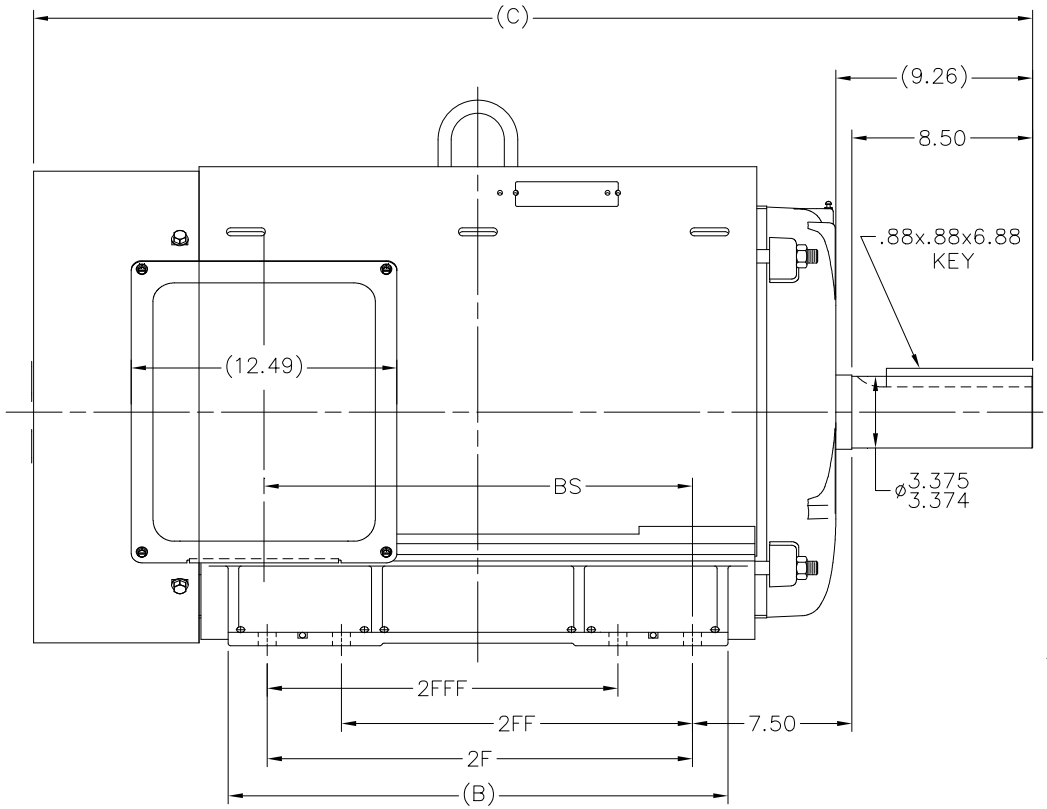
Nameplate Specifications

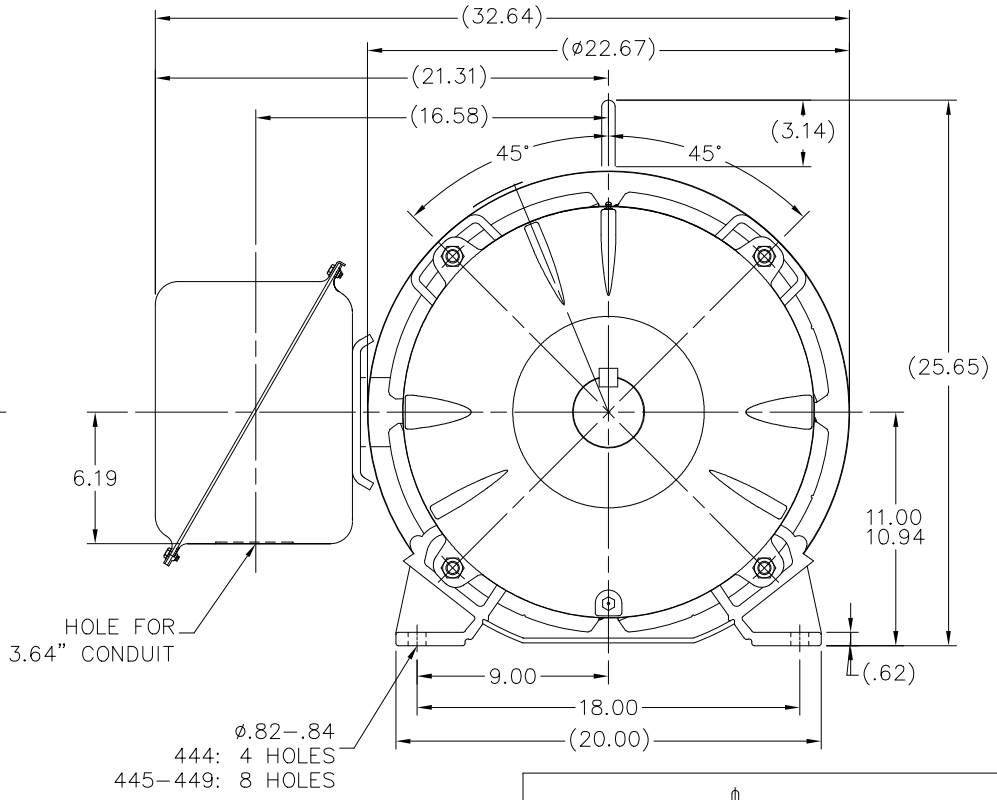
Phase	3	Output HP	100 & 75 Hp
Output KW	74.6 & 56.0 kW	Voltage	460 & 380 V
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15
Frame	444T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	136 & 126 A	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

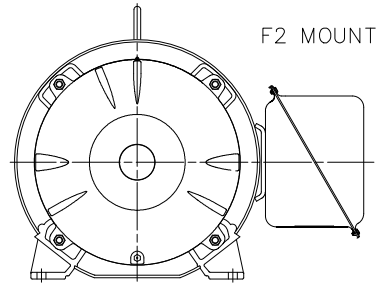
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	6	Rotation	Reversible
Resistance Main	.042 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F1 ONLY
Outline Drawing	XK2F1SS1-2117	Connection Drawing	A-EE7340-LN

XK2F1SS1







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

DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS
2117	444T	41.58	--	18.00	14.50			14.62
2317	445T	43.58	--	20.00	16.50	14.50	14.50	16.64
2667	447T	47.08	--	23.50	20.00	16.50	16.50	20.14
3167	449T	52.08	--	28.50	25.00	20.00	20.00	25.14

NO.	REVISION	BY & DATE	CHK
8	Change from 3C223-K4 to 557963 fan guard	MK 11-10-2021	VJR

TOLERANCES UNLESS SPECIFIED
DEC. INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±7'30"

Lincoln MOTORS

TITLE OUTLINE NEMA MOTORS
440T TEFC UEI

MAT'L.
FINISH
CAD FILE xk2f1ss1

DRAWN MSG 09-19-2001
CHK ML 09-21-2001
APPD HNH 09-24-2001
SCALE 1=6
REF
FMF
PREV

RFP
DIST BY

SIZE	DRAWING NO.	PAGE OF	REV.
B	XK2F1SS1		8

START

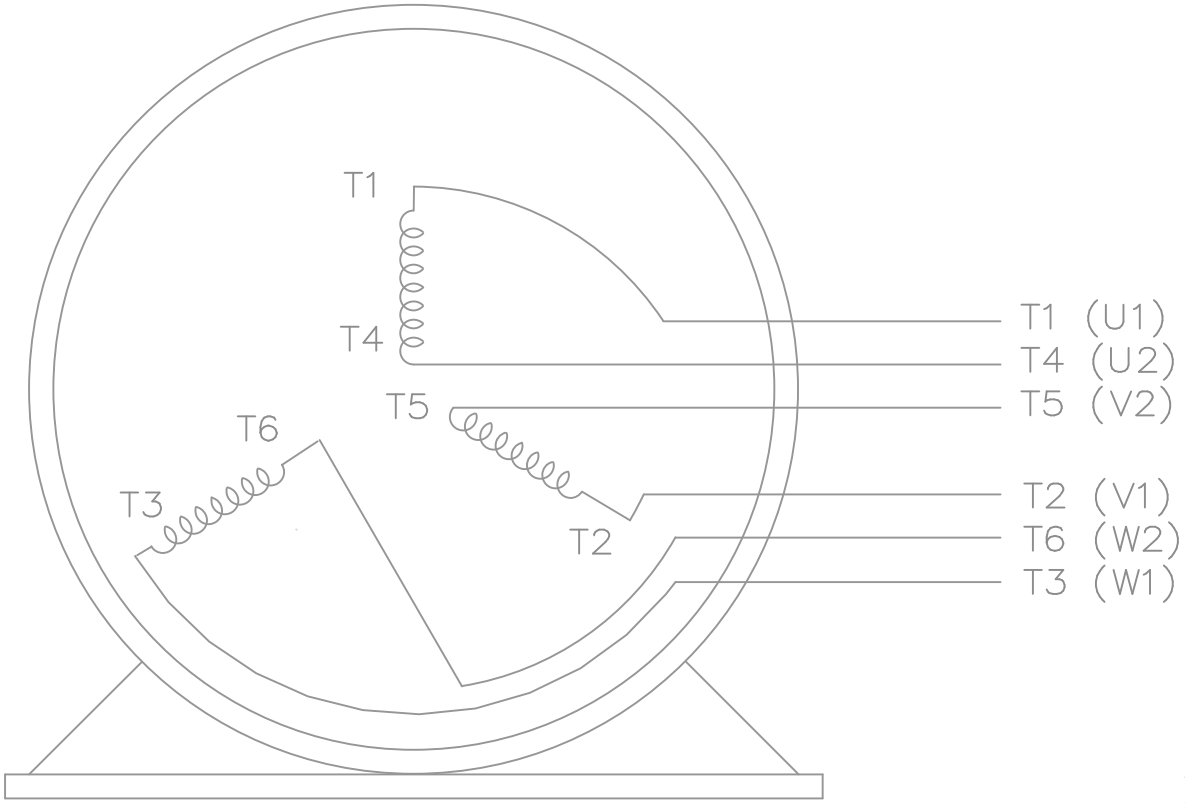
T1 (U1) — L1
T2 (V1) — L2
T3 (W1) — L3
T4 (U2)
T5 (V2)
T6 (W2)

RUN

T1 (U1)
T6 (W2) — L1
T2 (V1)
T4 (U2) — L2
T3 (W1)
T5 (V2) — L3

NOTE:
IEC LEAD MARKINGS ARE NOTED IN PARENTHESES

THREE PHASE – Y START
△ RUN MOTOR



VIEW OF TERMINAL END

T6CK
T6BM
T4CC
T2DL
T4C

				TOLERANCES UNLESS SPECIFIED			
				DEC.	INCHES	Lincoln MOTORS	DRAWN BLR 10-04-1999
				.X	±.1		CHK DRS 10-04-1999
							APPD TB 10-04-1999
3	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-2005	ML	.XX	±.02	TITLE CONNECTION DIAGRAM 3ø – WYE START DELTA RUN	SCALE 1=1
2	REVISED DRAWING MISTAKE CN 29200-2980	ERH 05-15-2003	ML	.XXX	±.005		REF
1	NEW DRAWING	BLR 10-09-1999		.XXXX	±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV

RFP
DIST WA-LB-SB
CAD FILE ee7340_ln

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7340-LN	3

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