PRODUCT INFORMATION PACKET

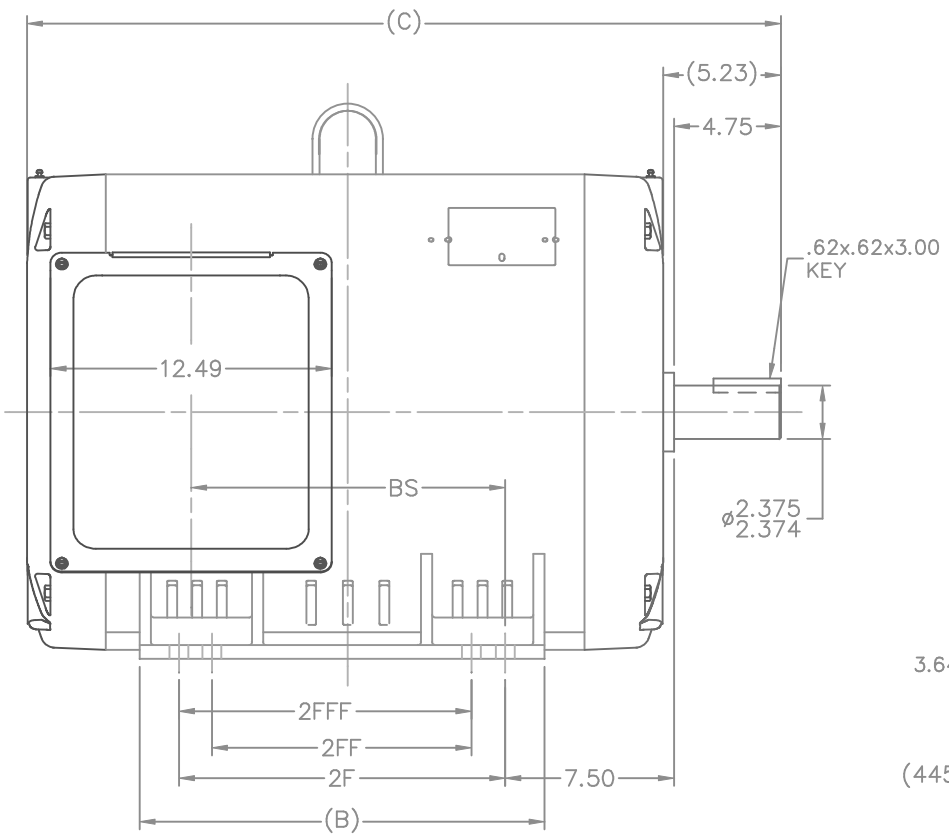
Model No: LM32761
Catalog No: LM32761
General Purpose Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 445TS Frame, DP

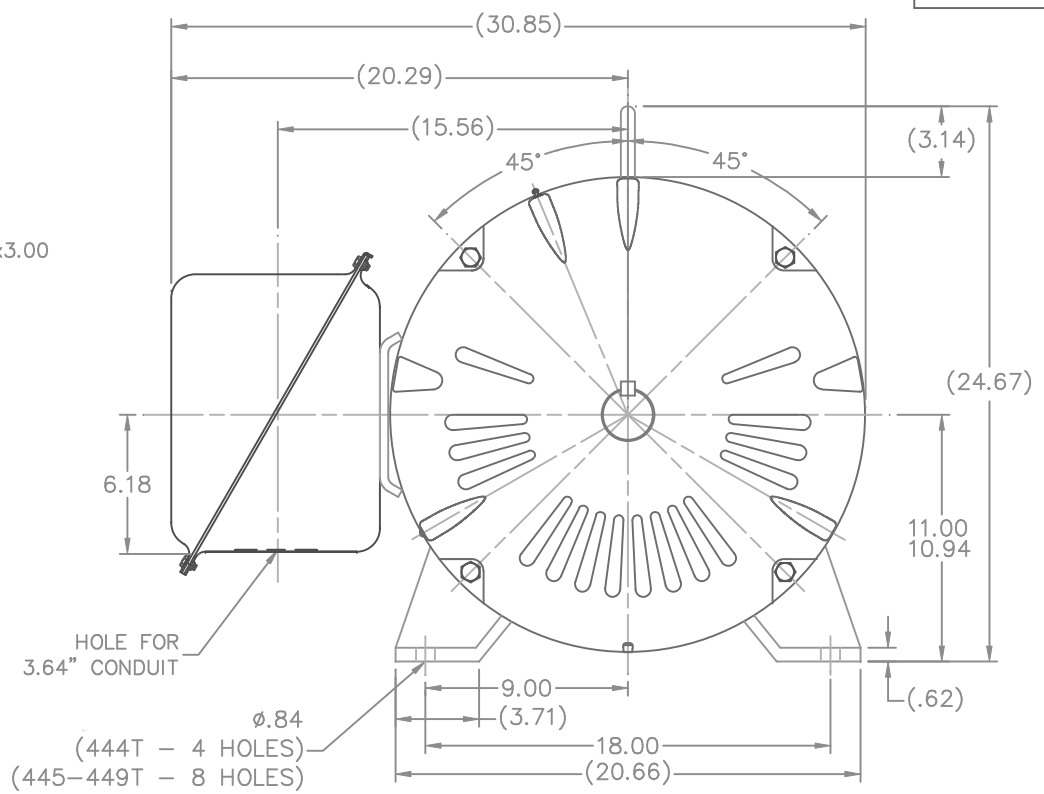
Nameplate Specifications

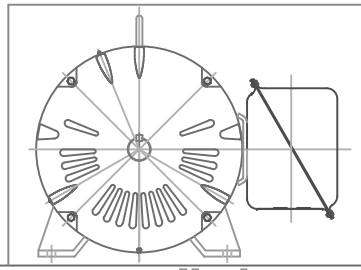
Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	1787 & 1488 rpm	Service Factor	1.25 & 1.0
Frame	445TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	96.2 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	233 & 214 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	BC	KVA Code	G
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
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	.018 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Overall Length	35.50 in
Frame Length	23.27 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7340-LN	Outline Drawing	XK2D1SS2-2327







F2 VIEW

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	BS	2F	2FF	2FFF
2127	444TS	33.50	18.00	13.96	14.50		
2327	445TS	35.50	20.00	15.96	16.50	14.50	14.50
2677	447TS	39.00	23.50	19.46	20.00	16.50	16.50
3177	449TS	44.00	28.50	24.46	25.00	20.00	20.00

NO.	REVISION	BY & DATE	CHK
4	REVISED FROM 4 TO 4–8 HOLES PER CN 37556	CTO 12–17–2001	BB
3	ADDED DASHES 2677 & 3177 CN 29200–2314	CTO 03–22–03	HNH
2	ADDED DASH 2327 CN 29200–2238	NJS 02–22–02	DRS
1	NEW DRAWING – REPLACES 3XSD134FSSK–1 MU38160	TJB 08–30–01	ML

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

RFP
DIST BY

Lincoln MOTORS

TITLE OUTLINE NEMA MOTORS
440TS OPD UE

CAD FILE xk2d1ss2

DRAWN	TJB 08–08–2001
CHK	ML 08–23–2001
APPD	HNH 08–30–2001
SCALE	1=5.5
REF	
MAT'L.	
FMF	
PREV	
FINISH	

SIZE B | DRAWING NO. XK2D1SS2 | REV. 4

START

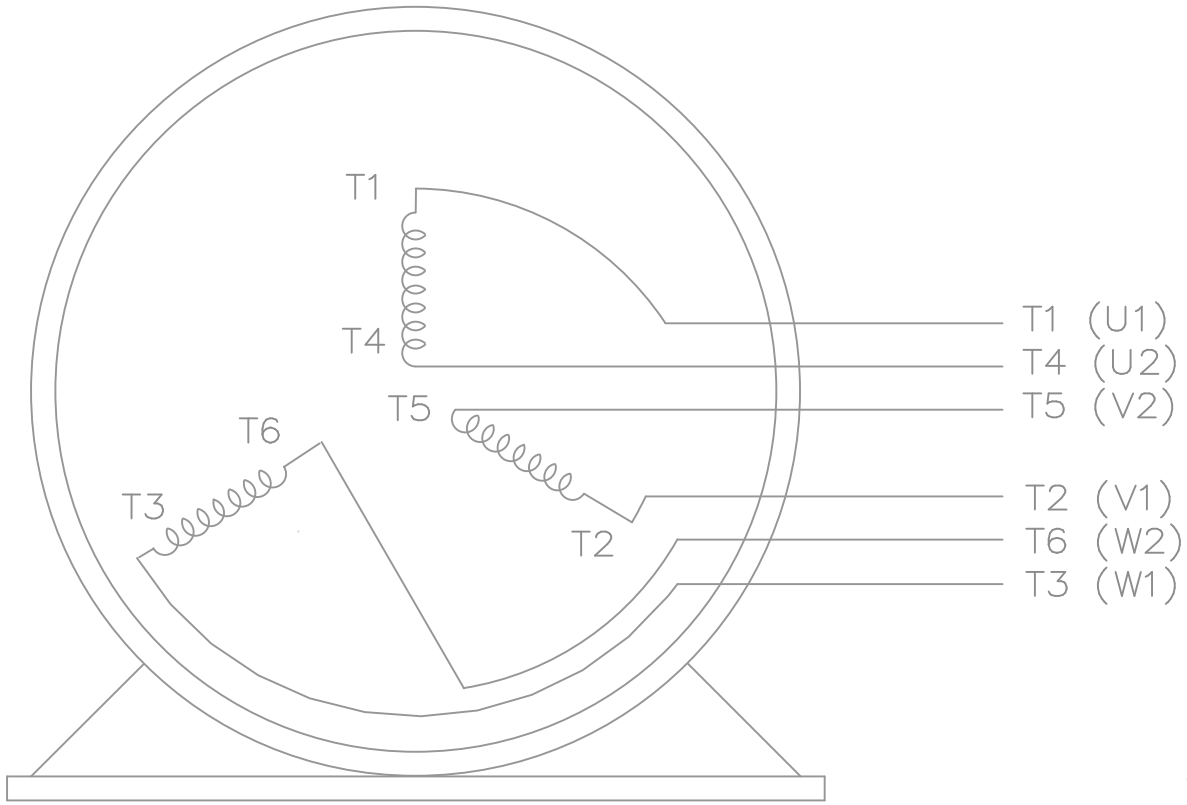
T1 (U1) — L1
T2 (V1) — L2
T3 (W1) — L3
T4 (U2)
T5 (V2)
T6 (W2)

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

NO.	REVISION	BY & DATE	CHK
3	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-2005	ML
2	REVISED DRAWING MISTAKE CN 29200-2980	ERH 05-15-2003	ML
1	NEW DRAWING	BLR 10-09-1999	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Lincoln MOTORS

TITLE CONNECTION DIAGRAM
3ø – WYE START DELTA RUN

MAT'L.
FINISH
CAD FILE ee7340_ln
RFP
DIST WA-LB-SB

DRAWN BLR 10-04-1999
CHK DRS 10-04-1999
APPD TB 10-04-1999
SCALE 1=1
REF
FMF
PREV

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

9/30/2008 5:41:56 AM

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7340-LN **MODEL #:** LM32761

OUTLINE: XK2D1SS2-2327

WINDING #: L4454031 1 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
200&150	149&112	1800	1787&1488	445TS	DP	G	BC

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	233&214	WYE START DELTA RUN	CONTINUOUS	F1	1.25/1.0	40

FULL LOAD EFF:	96.2&95.8	3/4 LOAD EFF:	96.2	1/2 LOAD EFF:	95.8	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83.5&83	3/4 LOAD PF:	81	1/2 LOAD PF:	73.5	95.4	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
588 LB-FT	1450	1250 LB-FT 213 %	1400 LB-FT 238 %	48

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- 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	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
318	315						

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

NOTES

*

*

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 V NONE Hz

8/20/2018

Data Sheet

Date: 1/23/2018

LEESON

LM32761

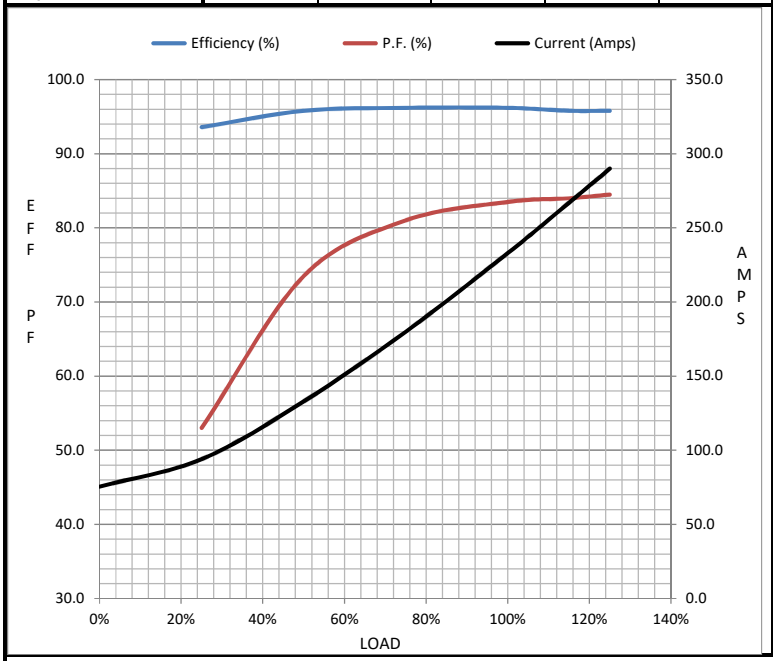
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	75.5	94.0	133	180	233	267	290	1,450	
Torque (ft-lb)	0.00	146	293	440	588	677	737	1,250	
RPM	1800	1797	1795	1790	1787	1,785	1783	0	
Efficiency (%)		93.6	95.8	96.2	96.2	95.8	95.8		
P.F. (%)	3.5	53.0	73.5	81.0	83.5	84.0	84.5	30.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1787	1800
Current (Amps)	1,450	1,300	950	233	75.5
Torque (ft-lb)	1,250	1,125	1,400	588	0.00



Information Block

HP	200.0	
Sync. RPM	1800	
Frame	445	
Enclosure	DP	
Construction	TDR	
Voltage	460#380	V
Frequency	60	Hz
Design	A	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	48	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	L4454031 NONE	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	XK2D1SS2-2327	
Conn. Diag	A-EE7340-LN	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0140	0.0090	0.1210	0.1480	3.4790

Speed -Torque Curve