PRODUCT INFORMATION PACKET

Model No: LM32672
Catalog No: LM32672
General Purpose Motor, 75 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 208/415 V, 1800 & 1500 RPM, 365TS Frame, TEFC
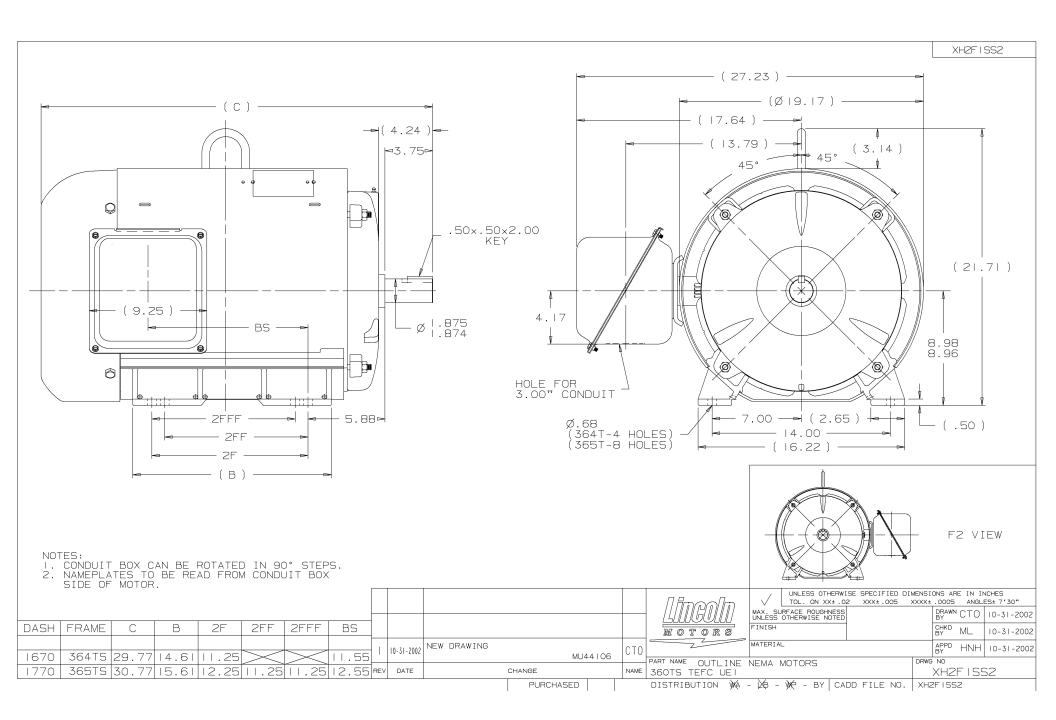
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Nameplate Specifications

Phase	3	Output HP	75 & 75 Hp
Output KW	56.0 & 56.0 kW	Voltage	230/460 & 208/415 V
Speed	1782 & 1480 rpm	Service Factor	1.15 & 1.0
Frame	365TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	178/89 & 202/101 A	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	313	Opp Drive End Bearing Size	311
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	4	Rotation	Reversible
Resistance Main	.055 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	30.77 in
Frame Length	17.70 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308AA-LN	Outline Drawing	XH2F1SS2-1770

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(C)

(4.24)
3.75

.50x.50x2.00
KEY

(9.25)

BS

Ø 1.875
 1.874

2FFF
2FF
2F
(B)

5.88

(27.23)
(Ø 19.17)
(17.64)
(13.79)
(3.14)
45°   45°

(21.71)

4.17

HOLE FOR
3.00" CONDUIT

Ø.68
(364T-4 HOLES)
(365T-8 HOLES)

8.98
8.96

7.00   (2.65)
14.00
(16.22)

(.50)

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	2F	2FF	2FFF	BS
1670	364TS	29.77	14.61	11.25			11.55
1770	365TS	30.77	15.61	12.25	11.25	11.25	12.55

	10-31-2002	NEW DRAWING		CTO
			MU44106	
REV	DATE	CHANGE		NAME

Lincoln MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .02   XXX± .005   XXXX± .0005   ANGLES± 7'30"

MAX. SURFACE ROUGHNESS
UNLESS OTHERWISE NOTED

FINISH

MATERIAL

DRAWN BY	CTO	10-31-2002
CHKD BY	ML	10-31-2002
APPD BY	HNH	10-31-2002

PART NAME   OUTLINE NEMA MOTORS
360TS TEFC UE1

DRWG NO
XH2F1SS2

PURCHASED

DISTRIBUTION   A - B - P - BY   CADD FILE NO.   XH2F1SS2

T12
T1
T6
T7
————————— L1

T2
T4
T8
T10
————————— L2

T3
T5
T9
T11
————————— L3

LOW VOLTAGE

T12
T1
————————•————— L1

T4
T7
————————•

T2
T10
————————•————— L2

T5
T8
————————•

T3
T11
————————•————— L3

T6
T9
————————•

HIGH VOLTAGE

VIEW OF TERMINAL END

T12 T1
T9 T4
T6 T7
T3 T8 T5 T10
T11 T2

T6
T9
T12
T1
T4
T7
T10
T2
T5
T8
T11
T3

REV	DATE	CHANGE	NAME
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR
1	06-18-1999	NEW DRAWING	TRB

Lincoln MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .02   XXX± .005   XXXX± .0005   ANGLES± 7'30"

MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED

FINISH

MATERIAL

	DRAWN BY	TRB	07-16-1999
	CHKD BY	ML	06-18-1999
	APPD BY	GK	06-18-1999

PART NAME   3 PHASE CONNECTION DIAGRAM
2/1 DELTA - 12 LEADS

DRWG NO
A-EE7308AA-LN

PURCHASED   CADD FILE NO.   EE7308AALN

8/25/2007 12:50:38 PM -

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ERROR: undefined
OFFENDING COMMAND: Pscrip

STACK:
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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308AA-LN

OUTLINE: XH2F1SS2-1770

CATLOG # : LM32672

WINDING #: L3654028   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&1480	365TS	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&208/415	178/89&202/101	WYE START DELTA RUN	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	95.4&95	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	94.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	81.5&82	3/4 LOAD PF:	77.5	1/2 LOAD PF:	68	94.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE		B.D. TORQUE		F.L. RISE°C
221 **LB-FT**	1164 / 582	545 **LB-FT**	246 %	577 **LB-FT**	261 %	85

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
313	311						

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

*
N
O
T
E
S
*

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

7/20/2018

Data Sheet

Date: 1/18/2018

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LM32672

Data @   460   V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	34.0	40.0	53.5	70.5	89.0	102	109	582	
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	545	
RPM	1800	1796	1791	1786	1782	1,778	1776	0	
Efficiency (%)		91.7	94.5	95.4	95.4	95.0	95.0		
P.F. (%)	3.5	46.5	68.0	77.5	81.5	83.0	83.5	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1690	1782	1800
Current (Amps)	582	475	313	89.0	34.0
Torque (ft-lb)	545	475	577	221	0.00

Information Block

HP	75.0	
Sync. RPM	1800	
Frame	365	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460#208/415	V
Frequency	60	Hz
Design	A	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	85	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	L3654028 NONE	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	XH2F1SS2-1770	
Conn. Diag	A-EE7308AA-LN	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0420	0.0300	0.2990	0.3820	7.6360

Legend: Efficiency (%) — P.F. (%) — Current (Amps)

Speed -Torque Curve

Legend: Torque — Amps