PRODUCT INFORMATION PACKET

Model No: SRF4S0.5TCN61
Catalog No: LM24083
1/2,1725,TEFC,S56C,3/60/208-230/460
Totally Enclosed Fan Cooled (TEFC)

Product Information Packet: Model No: SRF4S0.5TCN61, Catalog No:LM24083 1/2,1725,TEFC,S56C,3/60/208-230/460

Nameplate Specifications

Output HP	**0.50 Hp**	Output KW	**0.37 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**2.2/1.1 A**	Speed	**1725 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**70 %**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**B**
KVA Code	**M**	Frame	**S56C**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**203**
Opp Drive End Bearing Size	**203**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Mounting	**Round**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**NEMA 56**
Overall Length	**10.69 in**	Frame Length	**5.75 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**A-SS75175LN-575**	Connection Diagram	**A-EE7308-LN**

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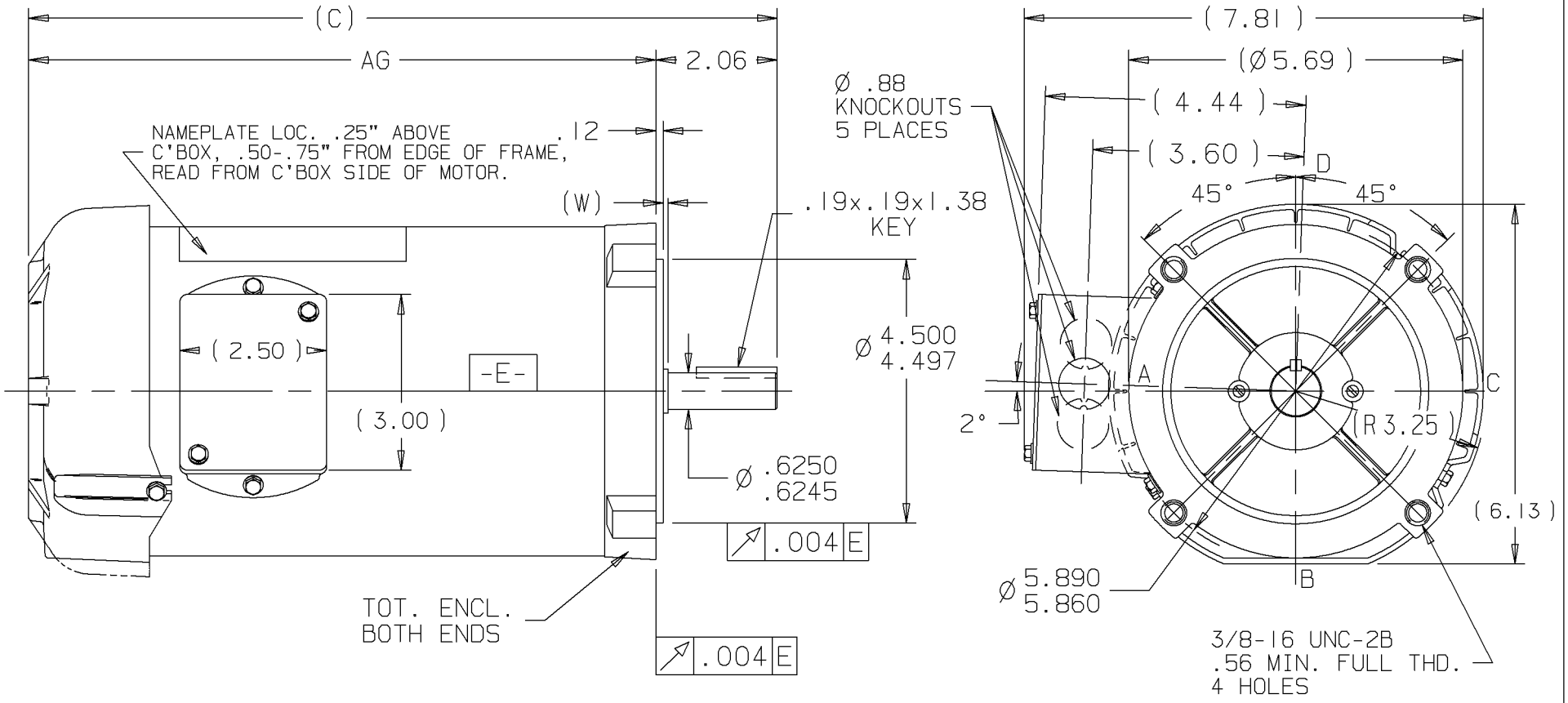
A- SS75175LN

'W'= CLEARANCE ALLOWED FOR ALL VARIANCES
IN MANUFACTURING & ASSEMBLY



DASH		C	AG		DASH		C	AG	
500		9.94	7.88		625		11.19	9.13	
525		10.19	8.13						
575		10.69	8.63						

REV	DATE	CHANGE	NAME
1	07-21-1999	NEW DRAWING	BLR

Lincoln MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .03 XXX± .005 XXXX± .0005 ANGLES± 7'30"

MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED

FINISH

MATERIAL

DRAWN BY	BLR	06-11-1999
CHKD BY	ML	07-21-1999
APPD BY	GK	07-21-1999

PART NAME OUTLINE

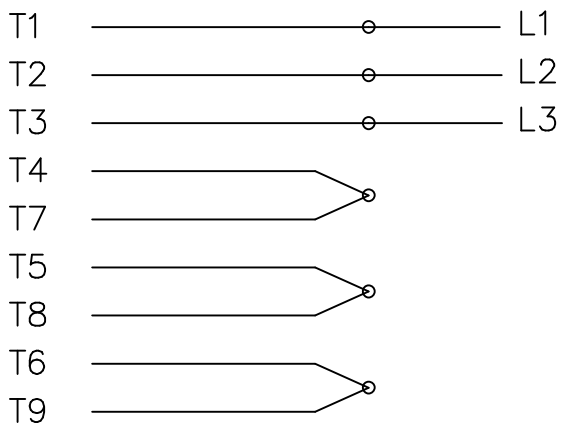
DRWG NO A- SS75175LN

PURCHASED | CADD FILE NO. SS75175LN

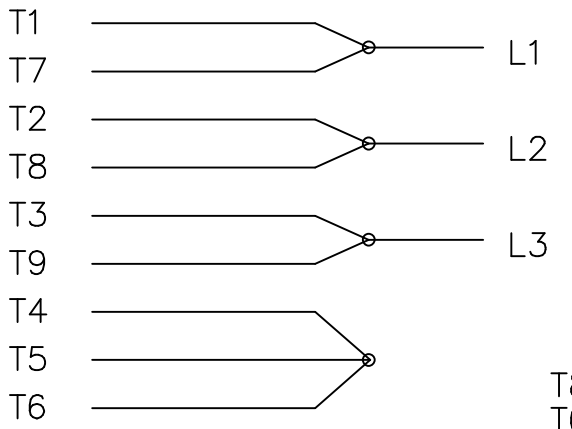
EE7308-LN

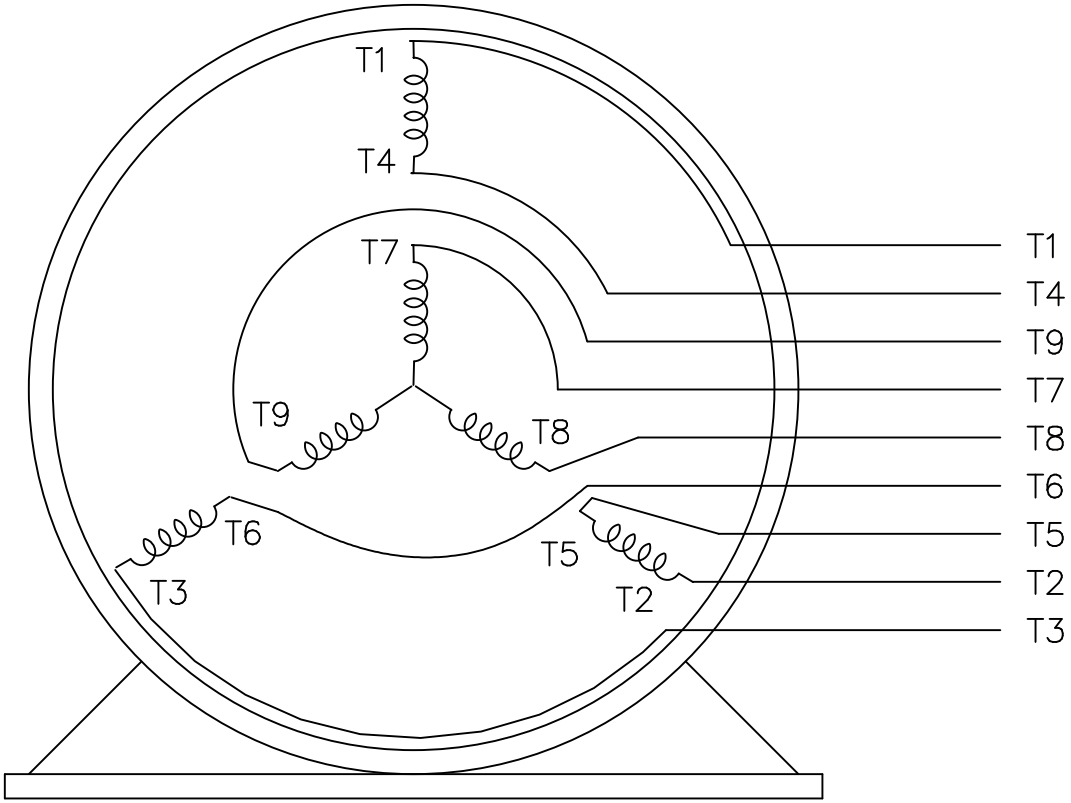
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

NO.	REVISION	BY & DATE	CHK
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK
1	NEW DRAWING	BLR 06/18/1999	GK

TOLERANCES UNLESS SPECIFIED

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

Lincoln MOTORS

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

CAD FILE EE7308LN

RFP

DIST WP

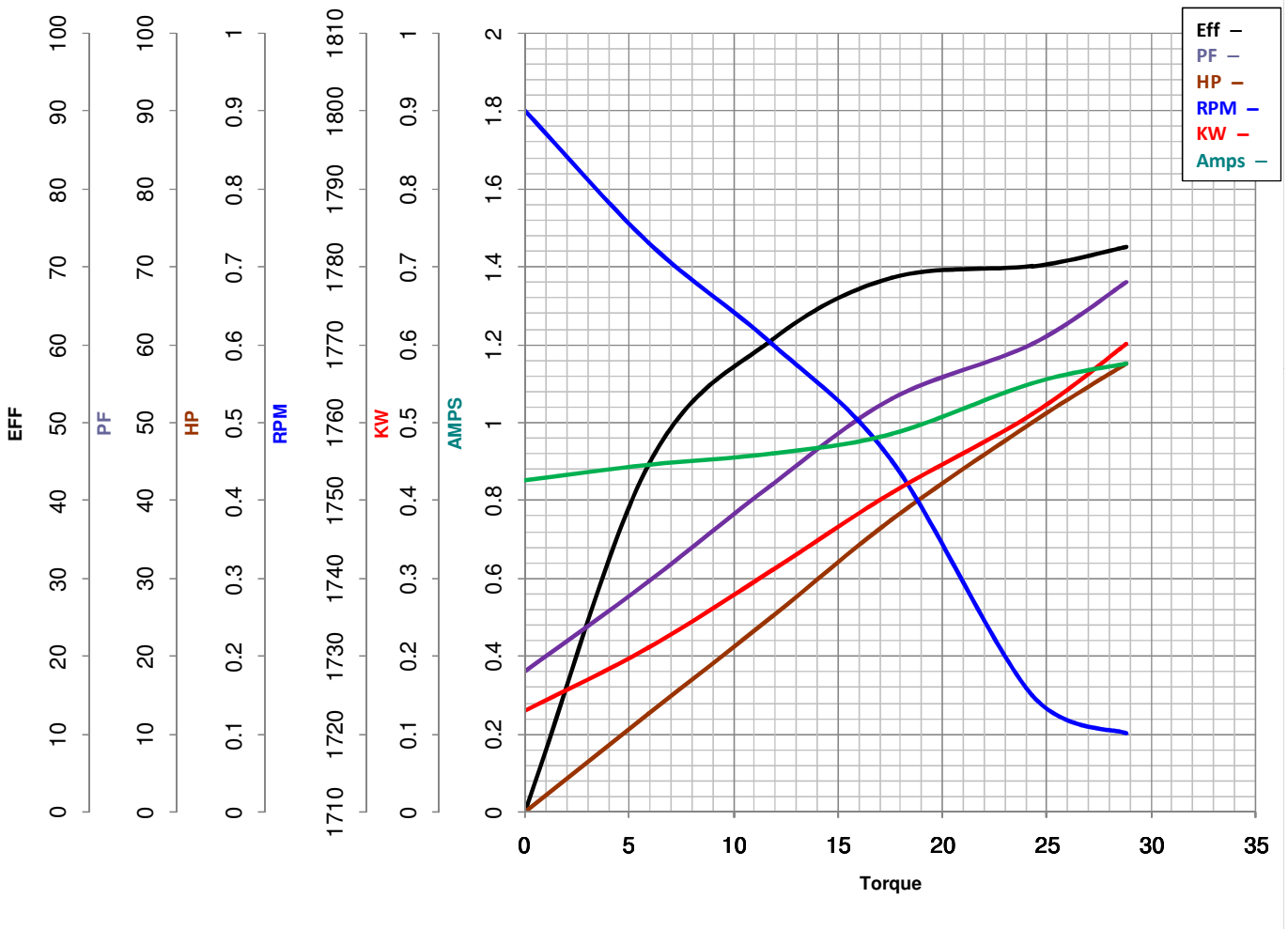
DRAWN BLR	06/11/1999
CHK ML	06/18/1999
APPD GK	06/18/1999
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO.	PAGE	OF	REV.
A	EE7308-LN			3

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at	460	**Volts**	**HP**	0.50	**PHASE**	3
	60	**HZ**				
Model No LM24083	0.5	**HP**	**VOLTS**	230/460		
Catalog No LM24083A			**HZ**	60	**RPM**	1725



Torque in Oz.Ft

FL TORQUE	24.32	**Oz.Ft**	**FL AMPS**	2.2/1.1	
BD TORQUE	116.8	**Oz.Ft**	**PU TORQUE**	105.6	**Oz.Ft**
LR TORQUE	99.2	**Oz.Ft**	**LR AMPS**	6.4	
WINDING	TE48415-3			**Date**	**6/4/2018**