

PRODUCT INFORMATION PACKET



Model No: SRF4S0.75TCN61
Catalog No: LM24077
3/4,1725,TEFC,S56C,3/60/208-230/460
Totally Enclosed Fan Cooled (TEFC)

Lincoln
MOTORS

Signature Series
1-800-MOTOR-4-U
ASSEMBLED IN MEXICO

MOD NO. SRF4S0.75TCN61
CUST PART NO.
PRODUCT. G17K V LM24077A
FR S56C PH. 3 TYPE. TS
AMB. 40°C INS. B3 DUTY. CONT
DESIGN B

HZ. 60/50
H.P. 3/4-3/4
R.P.M 1725-1425 IP 43 KW 0.56
VOLTS 230/460-190/380
F.L.A. 2.8/1.4
S.F. 1.15
S.F.A. 3/1.5-2.9/1.45

LOW VOLTAGE HIGH VOLTAGE
T4 T5 T6 T4 T5 T6
T7 T8 T9 T7 T8 T9
T1 T2 T3 T1 T2 T3
LINE LINE LINE LINE LINE LINE
TO REVERSE ROTATION, INTERCHANGE
ANY TWO LINE LEADS. 103014

CODE L ENCL. TEFC
EFF. 75.5/77.5 PF (COS φ) 70.5(0.705)/78.5(0.785)
SUITABLE FOR 208V 60 HZ @ 1.15S.F

DRIVE/OPP
PERMANENTLY LUBRICATED BALL BRGS.

WARNING: FAILURE TO FOLLOW ALL SAFETY INFORMATION CAN RESULT IN SERIOUS PERSONAL INJURY OR DEATH. DISCONNECT ALL POWER BEFORE SERVICING. INSTALL AND GROUND PER LOCAL AND NATIONAL CODES CONSULT QUALIFIED PERSONNEL WITH ANY QUESTIONS.

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Nameplate Specifications

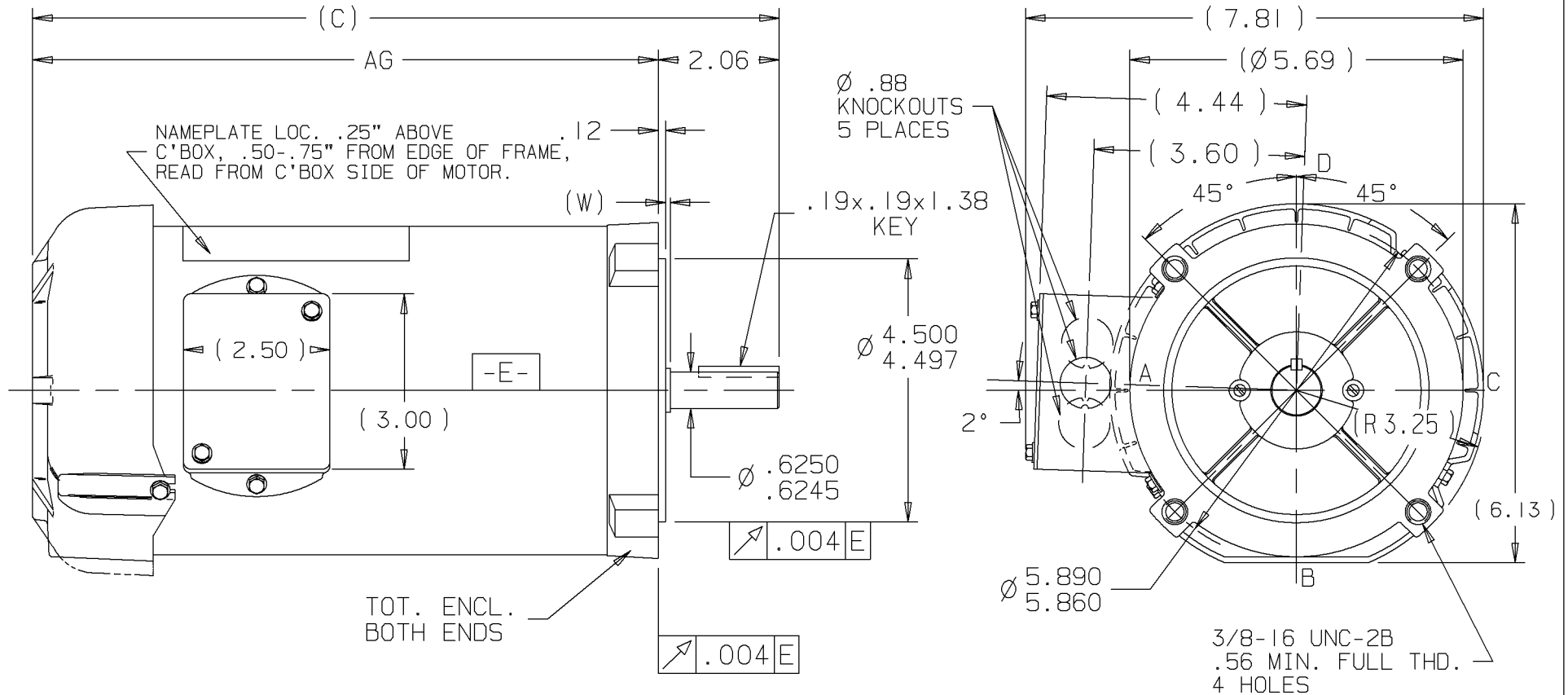
Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/460 V
Current	2.8/1.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	75.5 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	L	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °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	11.19 in	Frame Length	6.25 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-SS75175LN-625	Connection Diagram	A-EE7308-LN

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'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			

					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.03 XXX±.005 XXXX±.0005 ANGLES± 7'30"			
					MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED	DRAWN BY BLR 06-11-1999		
					FINISH	CHKD BY ML 07-21-1999		
				MATERIAL		APPD BY GK 07-21-1999		
REV	DATE	CHANGE		NAME	PART NAME OUTLINE			DRWG NO A- SS75175LN

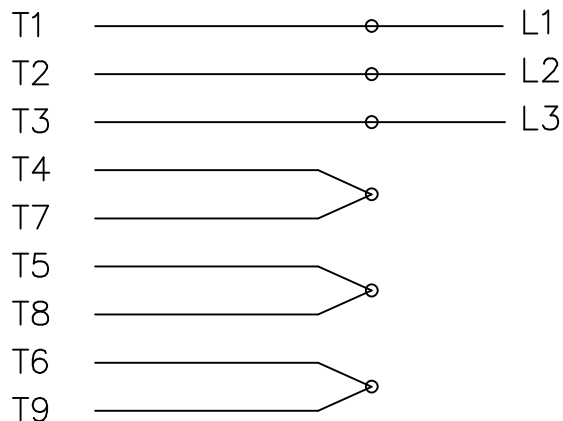
PURCHASED

CADD FILE NO.

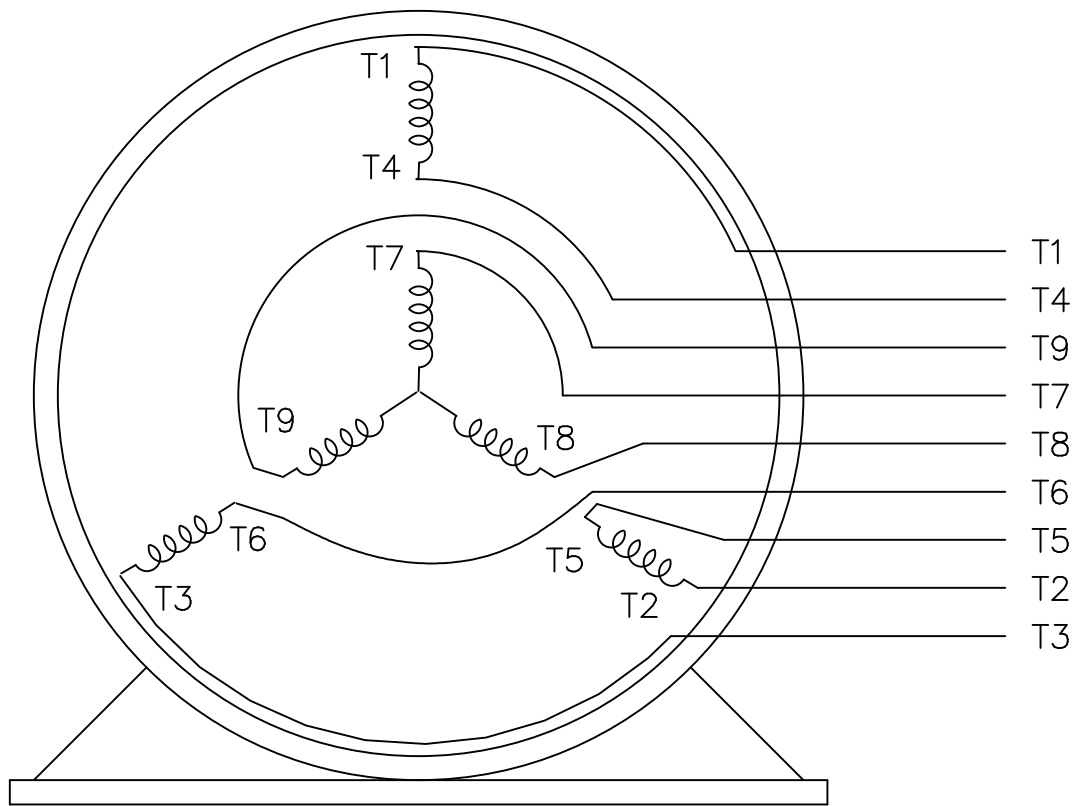
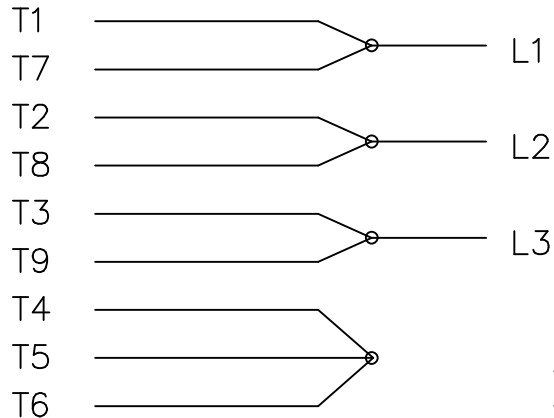
SS75175LN

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	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	DATE			
				DEC.	INCHES						
				.X	±.1		BLR	06/11/1999			
							ML	06/18/1999			
							GK	06/18/1999			
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1			
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK	.XXX	±.005	3Ø - DUAL VOLTAGE MOTOR		REF			
1	NEW DRAWING	BLR 06/18/1999	GK	.XXXX	±.0005	MAT'L.		FMF			
				ANG	±7'30"			PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE EE7308LN			SIZE A	DRAWING NO. EE7308-LN	PAGE OF 3	REV. 3
				DIST WP							





Motor Load Data

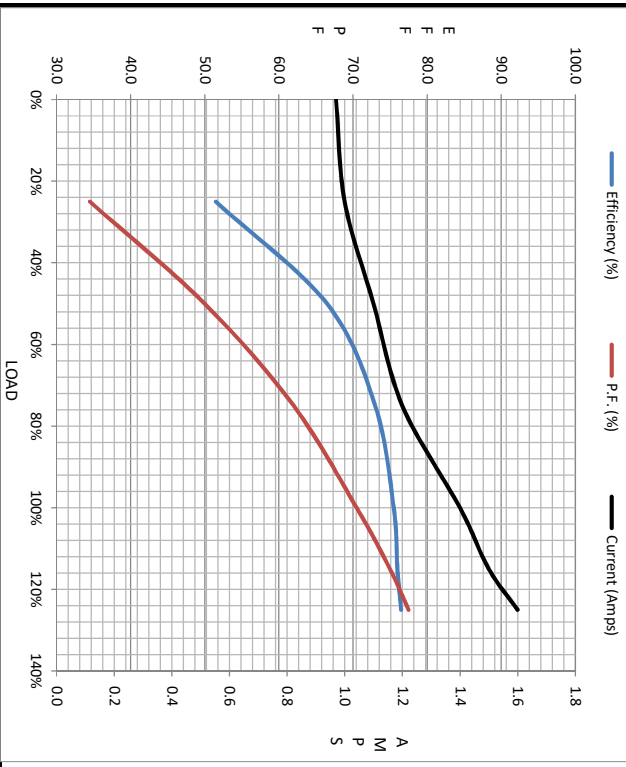
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.97	1.00	1.10	1.20	1.40	1.50	1.60	9.0
Torque (ft-lb)	0.00	0.55	1.10	1.70	2.28	2.60	2.90	8.8
RPM	1800	1780	1765	1748	1725	1720	1710	0
Efficiency (%)		51.5	66.5	73.0	75.5	76.0	76.5	
P.F. (%)	19.0	34.5	50.0	62.0	70.5	75.0	77.5	75.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	995	1725	1800
Current (Amps)	9.0	7.5	6.6	1.40	0.97
Torque (ft-lb)	8.8	9.2	9.8	2.28	0.00

Information Block

HP	0.8
Sync. RPM	1800
Frame	56
Enclosure	DP
Construction	TDR
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	45 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.06 LB-Ft ²
Ref Wdg	TE48412 NONE
Sound Pressure @ 1M	56 dBA
VFD Rating	NONE
Outline Dwg	A-SS75175LN-625
Conn. Diag	A-EE7308-1N
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	Xm
0.0000	0.0000



Speed - Torque Curve

