



A Regal Brand

Catalog # : LM24073

Product Type: AC MOTOR

Description: 1/2,1725,TEFC,S56,3/60/208-230/460

Model: SRF4S0.5T61

Stock: Stock

Quote: Price:

Date: 10/14/2014



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Description: 1/2,1725,TEFC,S56,3/60/208-230/460

Model: SRF4S0.5T61

Stock: Stock

Engineering Data					
Volts	230	Volts	460	Volts	
F.L. Amps	2.2	F.L. Amps	1.1	F.L. Amps	
S. F Amps	2.4	S. F Amps	1.2	S. F Amps	
RPM	1800	Hertz	60		
HP	1/2	Duty	CONTINUOUS	TYPE	TS
KW	0.37				
Frame	S56	Serv. Factor	1.15	Phase	3
Max Amb	40	Design	B	Code	M
Insul Class	B	Protection	NOT	Therm.Prot.	
Eff 100%	70	Eff 75%		PF	60
UL	V-INS, CONST UL REC	CSA	Yes	Bearing OPE	203
CC Number		CE	Yes	Bearing PE	203
Load Type		Inverter Type		Speed Range	UNK
Motor Wt.	18 LB	Enclosure	TEFC	Lubrication	STANDARD
Nameplate		Mounting	RIGID	Rotation	REV
Assembly		Shaft Dia.		Ext. Diag.	A-EE7308-LN
Cust Part No		Outline	A-SS75174LN-575	Ext. Diag2	
Packaging	B	Outline Dash No		Winding	TE48415
Carton Label				GROUP :	3
Iris		Paint	UNK	Test Card	
Form Factor		RMS Amps		Const Torque	Speed Range
Torque		Peak			
AB Code		Peak@DegC			
Resistance					
Connection					
Rework Status		Rework TYPE			

Hazardous Loc		NONE				Brake Motors		
Explosion Proof				Temp Op Code		FORCE		
Class				GROUP		VDC		
Class				GROUP		ADC		
						Brake Coil OHMs @25 C		
Performance								
Torque UOM				Inertia (WK²)				
Torque								
CURRENT (amps)								
Efficiency (%)								
PowerFactor								
Load Curve Data @60 HzVolts,1/2Horsepower								
Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0.0	0.85	0.13	1800	0.0	0.0	18.0	0.0	-
0.25	0.89	0.21	1783	0.37	44.5	29.5	0.0	-
0.5	0.92	0.31	1770	0.74	60.5	42.0	0.0	-
0.75	0.97	0.41	1755	1.1	68.5	53.0	0.0	-
1.0	1.1	0.51	1725	1.52	70.0	64.0	40.0	32.0
1.15	1.15	0.6	1720	1.8	72.5	68.0	50.0	-
1.25	1.2	0.63	1715	2.0	74.5	69.5	55.0	45.0
1.35	1.25	0.68	1710	2.1	74.5	72.0	60.0	-
1.75	1.4	0.87	1685	2.7	75.0	80.0	0.0	-
SOURCE: CALCULATED GROUP: 3								
Load Curve Data @60HzVolts,1/2Horsepower								
Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
Load Curve Data Not Available								
Quote:		Price:						
Date:		10/14/2014						

Technical drawing of a motor enclosure, showing side and front views with dimensions and labels.

Side View Dimensions:

- Overall width: (C)
- NAMEPLATE LOC. .25" ABOVE C'BOX, .50-.75" FROM EDGE OF FRAME, READ FROM C'BOX SIDE OF MOTOR.
- Distance from centerline to terminal box center: (1.97)
- Terminal box width: 1.88
- Terminal box height: .19X.19X 1.38 KEY
- Terminal box mounting holes: Ø .88 KNOCKOUTS 5 PLACES
- Terminal box mounting angle: 2°
- Terminal box mounting holes: (4.44)
- Terminal box mounting holes: (3.60)
- Terminal box mounting holes: D
- Terminal box mounting holes: (6.69)
- Terminal box mounting holes: 3.50
- Terminal box mounting holes: 3.44
- Terminal box mounting holes: .10
- Terminal box mounting holes: .88
- Terminal box mounting holes: (.17 R)
- Terminal box mounting holes: 2.44
- Terminal box mounting holes: 4.88
- Terminal box mounting holes: (6.50)
- Terminal box mounting holes: .44
- Terminal box mounting holes: .6250
- Terminal box mounting holes: .6245
- Terminal box mounting holes: 3.00
- Terminal box mounting holes: (2.50)
- Terminal box mounting holes: (Ø6.31)
- Terminal box mounting holes: .34
- Terminal box mounting holes: 3.00
- Terminal box mounting holes: 2.75
- Terminal box mounting holes: (3.80)
- Terminal box mounting holes: TOT. ENCL. EACH END

Front View Dimensions:

- Overall height: (Ø5.66)
- Overall width: (6.50)
- Terminal box width: 1.88
- Terminal box height: .19X.19X 1.38 KEY
- Terminal box mounting holes: Ø .88 KNOCKOUTS 5 PLACES
- Terminal box mounting angle: 2°
- Terminal box mounting holes: (4.44)
- Terminal box mounting holes: (3.60)
- Terminal box mounting holes: D
- Terminal box mounting holes: (6.69)
- Terminal box mounting holes: 3.50
- Terminal box mounting holes: 3.44
- Terminal box mounting holes: .10
- Terminal box mounting holes: .88
- Terminal box mounting holes: (.17 R)
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- Terminal box mounting holes: .6245
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- Terminal box mounting holes: (Ø6.31)
- Terminal box mounting holes: .34
- Terminal box mounting holes: 3.00
- Terminal box mounting holes: 2.75
- Terminal box mounting holes: (3.80)
- Terminal box mounting holes: TOT. ENCL. EACH END

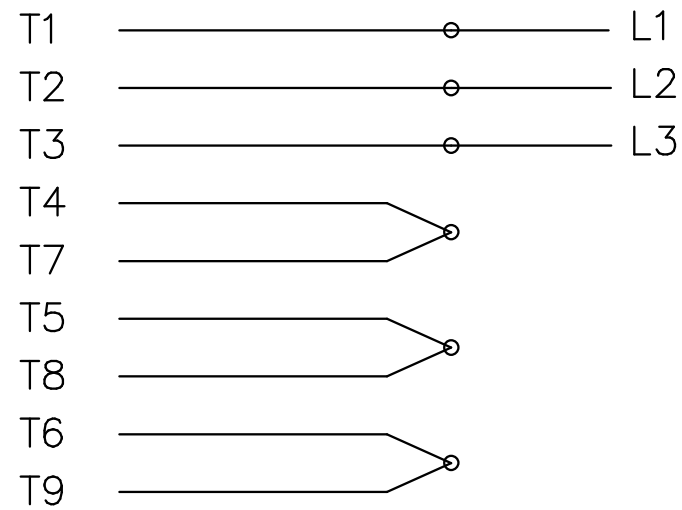
DASH		C	DASH		C
500		9.97	625		11.22
525		10.22	650		11.47
575		10.72			

					✓ 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	06-10-1999
					FINISH		CHKD BY	
I		NEW DRAWING	BLR		MATERIAL		APPD BY	
REV	DATE	CHANGE	NAME	PART NAME OUTLINE				DRWG NO A- SS75174LN
					PURCHASED		CADD FILE NO.	SS75174LN

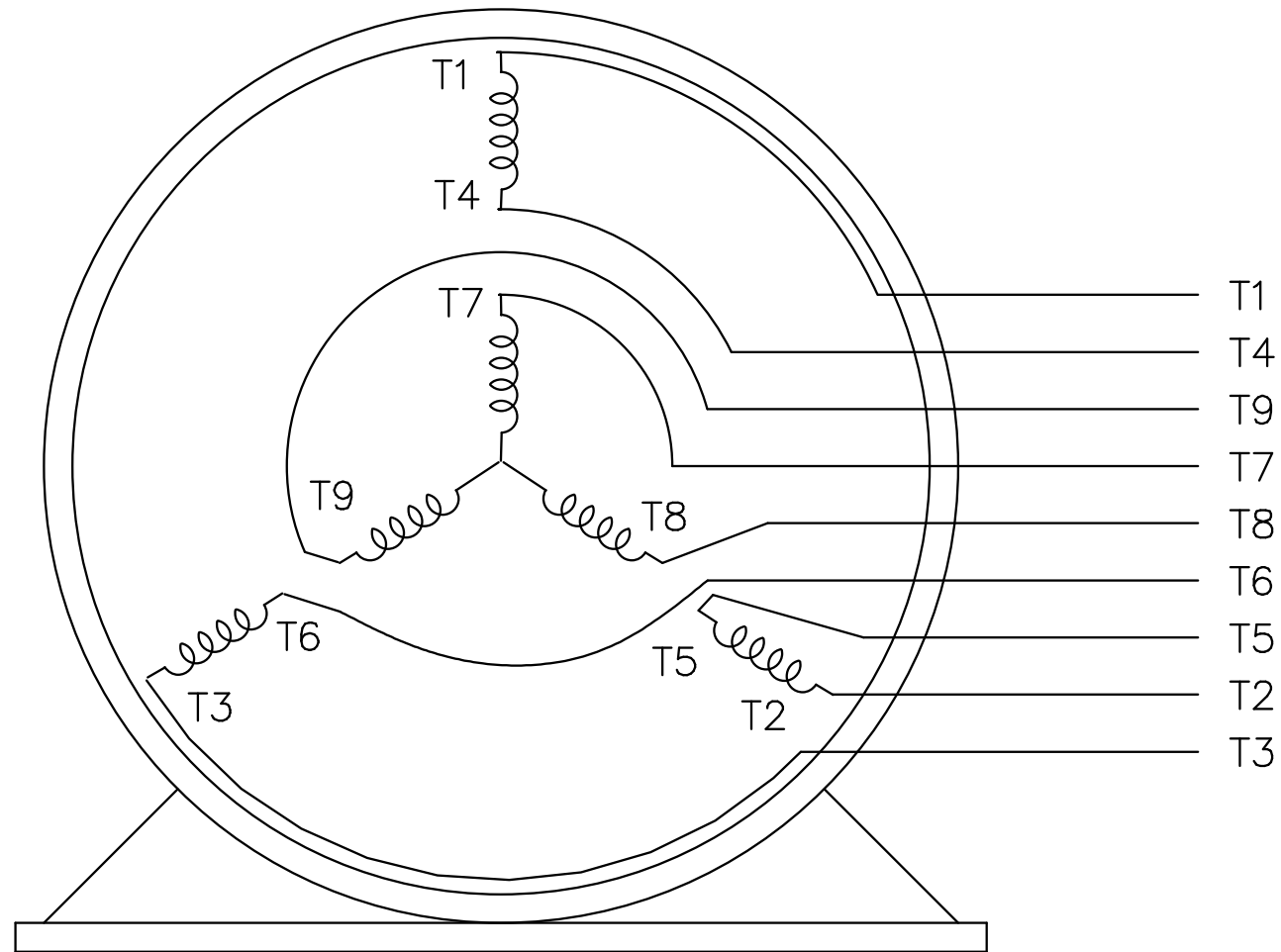
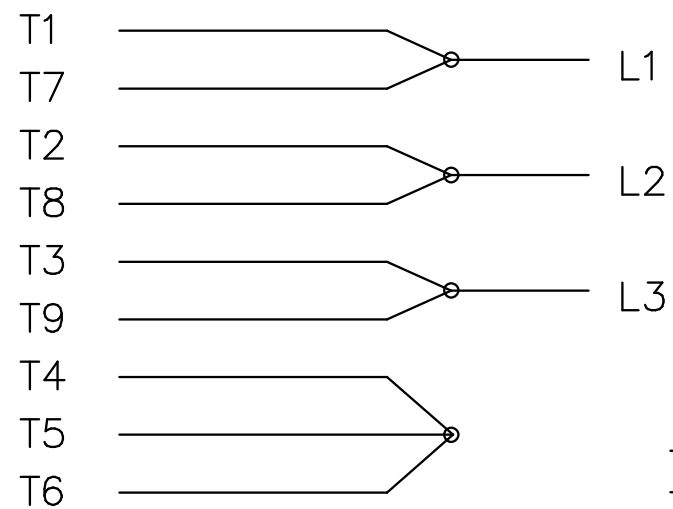
THREE PHASE
DUAL VOLTAGE MOTOR

EE7308-LN

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

				TOLERANCES UNLESS SPECIFIED			DRAWN BLR 06/11/1999				
				DEC.	INCHES		CHK	ML	06/18/1999		
				.X	±.1		APPD	GK	06/18/1999		
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	SCALE 1=1				
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK	.XXX	±.005		REF				
1	NEW DRAWING	BLR 06/18/1999	GK	.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	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	DRAWING NO.	PAGE OF	REV.
			DIST WP					A	EE7308-LN		3