



A Regal Brand

Catalog # : LM24107

Product Type: AC MOTOR

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

Model: SRF4S0.33T61

Stock: Stock

Quote: Price:

Date: 10/14/2014



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|                  |                     |                 |                 |              |             |
|------------------|---------------------|-----------------|-----------------|--------------|-------------|
| Engineering Data |                     |                 |                 |              |             |
| Volts            | 230                 | Volts           | 460             | Volts        |             |
| F.L. Amps        | 1.6                 | F.L. Amps       | .8              | F.L. Amps    |             |
| S. F Amps        | 1.7                 | S. F Amps       | .85             | S. F Amps    |             |
|                  |                     |                 |                 |              |             |
| RPM              | 1800                | Hertz           | 60              |              |             |
| HP               | 1/3                 | Duty            | CONTINUOUS      | TYPE         | TS          |
| KW               | 0.25                |                 |                 |              |             |
| Frame            | S56                 | Serv. Factor    | 1.15            | Phase        | 3           |
| Max Amb          | 40                  | Design          | B               | Code         | N           |
| Insul Class      | B                   | Protection      | NOT             | Therm.Prot.  |             |
| Eff 100%         | 65.5                | Eff 75%         |                 | PF           |             |
| UL               | V-INS, CONST UL REC | CSA             | Yes             | Bearing OPE  | 203         |
| CC Number        |                     | CE              |                 | Bearing PE   | 203         |
| Load Type        |                     | Inverter Type   |                 | Speed Range  | UNK         |
|                  |                     |                 |                 |              |             |
| Motor Wt.        | 16 LB               | Enclosure       | TEFC            | Lubrication  | STANDARD    |
| Nameplate        |                     | Mounting        | RIGID           | Rotation     | REV         |
| Assembly         |                     | Shaft Dia.      |                 | Ext. Diag.   | A-EE7308-LN |
| Cust Part No     |                     | Outline         | A-SS75174LN-525 | Ext. Diag2   |             |
| Packaging        | B                   | Outline Dash No |                 | Winding      | TE48414     |
| 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       |      | Temp Op Code |      | Brake Motors  |               |                       |  |
| Explosion Proof                           |      |            |      |              |      | 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,1/3Horsepower |      |            |      |              |      |               |               |                       |  |
| Load                                      | Amps | KW         | RPM  | Torque       | Eff  | PF            | Rise By Resis | Frame Rise            |  |
| 0.0                                       | 0.74 | 0.12       | 1800 | 0.0          | 0.0  | 20.0          | 0.0           | -                     |  |
| 0.25                                      | 0.74 | 0.18       | 1780 | 0.25         | 34.5 | 30.5          | 0.0           | -                     |  |
| 0.5                                       | 0.75 | 0.24       | 1770 | 0.5          | 51.0 | 40.5          | 0.0           | -                     |  |
| 0.75                                      | 0.78 | 0.31       | 1750 | 0.75         | 60.0 | 50.0          | 0.0           | -                     |  |
| 1.0                                       | 0.8  | 0.38       | 1725 | 1.0          | 66.0 | 56.0          | 30.0          | -                     |  |
| 1.15                                      | 0.85 | 0.42       | 1720 | 1.2          | 67.5 | 63.0          | 35.0          | -                     |  |
| 1.25                                      | 0.88 | 0.46       | 1715 | 1.3          | 68.0 | 65.5          | 40.0          | -                     |  |
| 1.35                                      | 0.95 | 0.49       | 1710 | 1.4          | 68.5 | 68.0          | 45.0          | -                     |  |
| 1.5                                       | 0.95 | 0.54       | 1700 | 1.5          | 69.5 | 72.0          | 0.0           | -                     |  |
| SOURCE: CALCULATED GROUP: 3               |      |            |      |              |      |               |               |                       |  |
| Load Curve Data @60HzVolts,1/3Horsepower  |      |            |      |              |      |               |               |                       |  |
| Load                                      | Amps | KW         | RPM  | Torque       | Eff  | PF            | Rise By Resis | Frame Rise            |  |
| Load Curve Data Not Available             |      |            |      |              |      |               |               |                       |  |
| Quote:                                    |      | Price:     |      |              |      |               |               |                       |  |
| Date:                                     |      | 10/14/2014 |      |              |      |               |               |                       |  |

NAMEPLATE LOC. .25" ABOVE  
C'BOX, .50-.75" FROM EDGE OF FRAME,  
READ FROM C'BOX SIDE OF MOTOR.

(C)

(1.97)

1.88

.19X.19X  
1.38 KEY

$\emptyset$  .88  
KNOCKOUTS  
5 PLACES

(4.44)

(3.60) D

( $\emptyset 6.31$ )

(2.50)

3.00

.6250  
.6245

2°

C

(6.69)

3.50  
3.44

B

.10

.88

(.17 R)

2.44

4.88

(6.50)

.44

TOT. ENCL.  
EACH END

2.75

3.00

(3.80)

.34

TERM. END

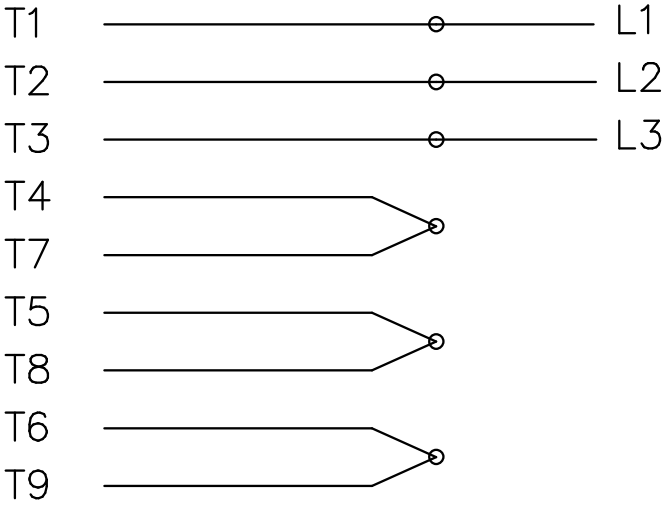
| DASH |  | C     | DASH |  | C     |
|------|--|-------|------|--|-------|
| 500  |  | 9.97  | 625  |  | 11.22 |
| 525  |  | 10.22 | 650  |  | 11.47 |
| 575  |  | 10.72 |      |  |       |

|     |      |             |      |                                                                                       |                                                                                                                       |               |              |                        |
|-----|------|-------------|------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------------------|
|     |      |             |      |  | ✓<br>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES<br>TOL. ON XX±.03    XXX±.005    XXXX±.0005    ANGLES± 7°30" |               |              |                        |
|     |      |             |      |                                                                                       | MAX. SURFACE ROUGHNESS<br>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<br>A-SS75174LN |
|     |      |             |      |                                                                                       | PURCHASED                                                                                                             | CADD FILE NO. | SS75174LN    |                        |

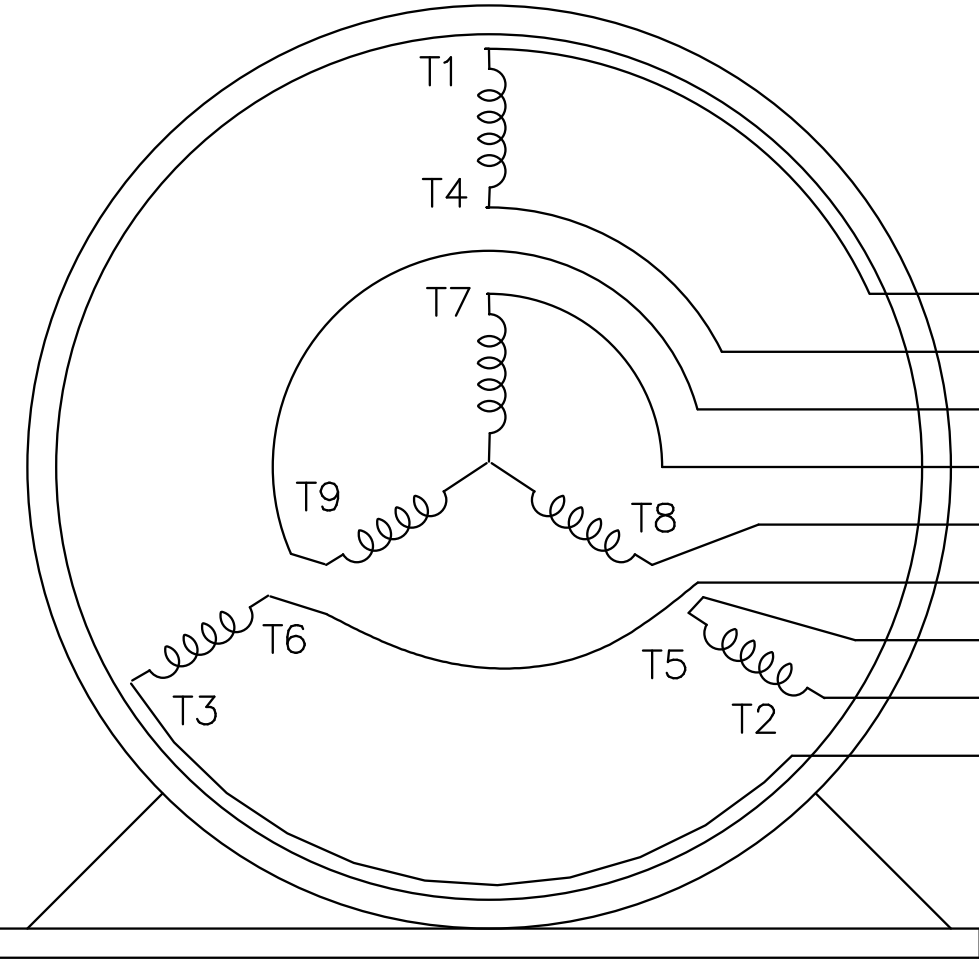
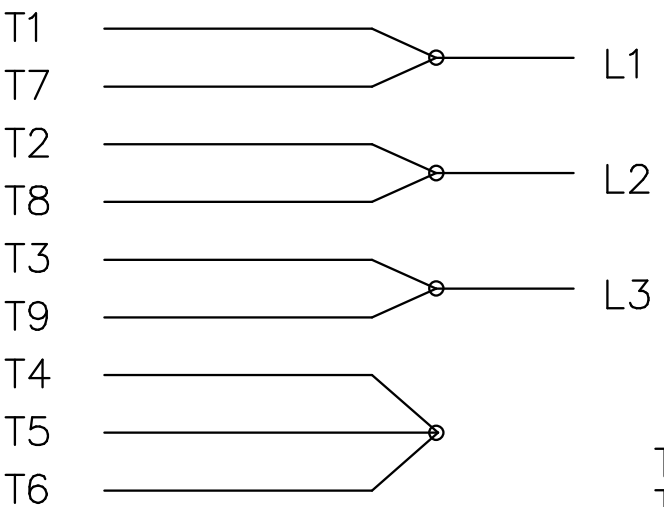
THREE PHASE  
DUAL VOLTAGE MOTOR

EE7308-LN

HIGH VOLTAGE



LOW VOLTAGE



T1  
T4  
T9  
T7  
T8  
T6  
T5  
T2  
T3

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<br>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                                                              |                      |             | SCALE 1=1  |      |
| 2                                                                                                                                                                                                                                      | RE-ISSUE, ADDED '-' TO PART NUMBER         | BLR 08/09/1999 | GK      | .XXX                           | ±.005             | 3∅ – DUAL VOLTAGE MOTOR                                                               |                      |             | 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<br>IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>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    |