



A Regal Brand

Catalog # : LM24084

Product Type: AC MOTOR

Description: 2,1725,TEFC,56C,3/60/208-230/460

Model: SRF4S2TCN61

Stock: Stock

Quote: Price:

Date: 10/14/2014



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Product Type: AC MOTOR

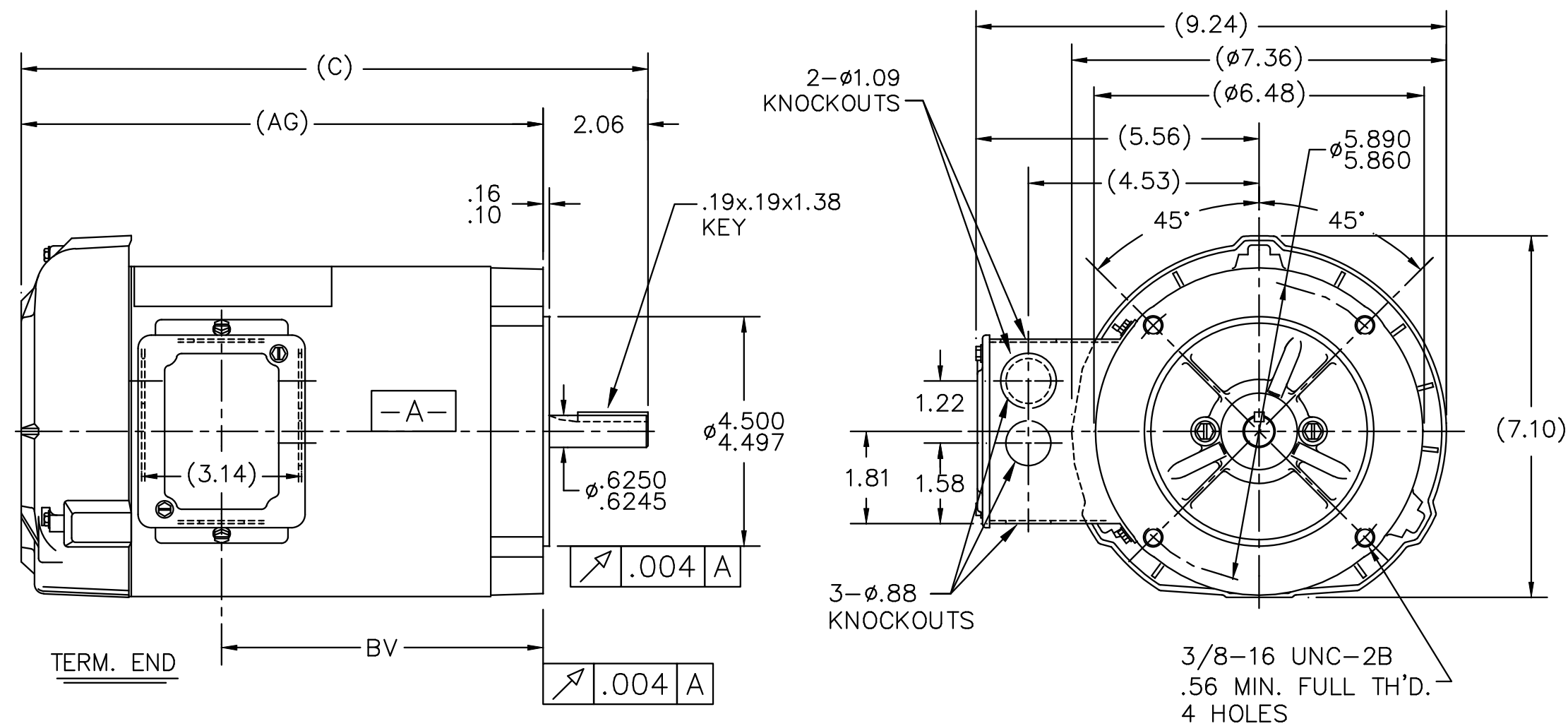
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Model: SRF4S2TCN61

Stock: Stock

|                  |                     |                 |                |              |                 |
|------------------|---------------------|-----------------|----------------|--------------|-----------------|
| Engineering Data |                     |                 |                |              |                 |
| Volts            | 230                 | Volts           | 460            | Volts        | 190-208/380-415 |
| F.L. Amps        | 5.8                 | F.L. Amps       | 2.9            | F.L. Amps    | 6.6-6.4/3.3-3.2 |
| S. F Amps        | 6.4                 | S. F Amps       | 3.2            | S. F Amps    | 7.6-7.2/3.8-3.6 |
|                  |                     |                 |                |              |                 |
| RPM              | 1800                | Hertz           | 60/50          |              |                 |
| HP               | 2                   | Duty            | CONTINUOUS     | TYPE         | TS              |
| KW               | 1.492               |                 |                |              |                 |
| Frame            | 56C                 | Serv. Factor    | 1.15           | Phase        | 3               |
| Max Amb          | 40                  | Design          | B              | Code         | L               |
| Insul Class      | B                   | Protection      | NOT            | Therm.Prot.  |                 |
| Eff 100%         | 82.5                | Eff 75%         |                | PF           |                 |
| UL               | V-INS, CONST UL REC | CSA             | Yes            | Bearing OPE  | 203             |
| CC Number        |                     | CE              |                | Bearing PE   | 205             |
| Load Type        |                     | Inverter Type   | NONE           | Speed Range  | UNK             |
|                  |                     |                 |                |              |                 |
| Motor Wt.        | 40 LB               | Enclosure       | TEFC           | Lubrication  | STANDARD        |
| Nameplate        |                     | Mounting        | ROUND          | Rotation     | REV             |
| Assembly         |                     | Shaft Dia.      |                | Ext. Diag.   | A-EE7308-LN     |
| Cust Part No     |                     | Outline         | A-100103LN-856 | Ext. Diag2   |                 |
| Packaging        | B                   | Outline Dash No |                | Winding      | ZT414           |
| 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 @60/50 HzVolts,2Horsepower |      |                  |  |              |        |               |      |              |      |                       |            |
| Load                                       | Amps | KW               |  | RPM          | Torque |               | Eff  |              | PF   | Rise By Resis         | Frame Rise |
| 0.0                                        | 1.7  | 0.14             |  | 1800         | 0.0    |               | 0.0  |              | 10.5 | 0.0                   | -          |
| 0.25                                       | 1.8  | 0.5              |  | 1785         | 1.5    |               | 75.5 |              | 35.0 | 0.0                   | -          |
| 0.5                                        | 2.0  | 0.9              |  | 1775         | 3.0    |               | 82.5 |              | 55.0 | 0.0                   | -          |
| 0.75                                       | 2.4  | 1.3              |  | 1755         | 4.5    |               | 84.0 |              | 68.0 | 0.0                   | -          |
| 1.0                                        | 2.9  | 1.7              |  | 1730         | 6.0    |               | 82.5 |              | 78.6 | 75.0                  | -          |
| 1.15                                       | 3.25 | 2.0              |  | 1725         | 7.0    |               | 82.5 |              | 80.5 | 90.0                  | -          |
| 1.2                                        | 3.35 | 2.1              |  | 1722         | 7.3    |               | 82.0 |              | 80.8 | 105.0                 | -          |
| 1.25                                       | 3.4  | 2.2              |  | 1720         | 7.5    |               | 81.5 |              | 81.0 | 110.0                 | -          |
| 1.5                                        | 4.0  | 2.7              |  | 1715         | 9.1    |               | 81.5 |              | 85.0 | 0.0                   | -          |
| 1.75                                       | 4.6  | 3.2              |  | 1705         | 10.8   |               | 80.0 |              | 87.0 | 0.0                   | -          |
| SOURCE: CALCULATED GROUP: 3                |      |                  |  |              |        |               |      |              |      |                       |            |
| Load Curve Data @60/50HzVolts,2Horsepower  |      |                  |  |              |        |               |      |              |      |                       |            |
| Load                                       | Amps | KW               |  | RPM          | Torque |               | Eff  |              | PF   | Rise By Resis         | Frame Rise |
| Load Curve Data Not Available              |      |                  |  |              |        |               |      |              |      |                       |            |
|                                            |      | Quote:           |  | Price:       |        |               |      |              |      |                       |            |
|                                            |      | Date: 10/14/2014 |  |              |        |               |      |              |      |                       |            |



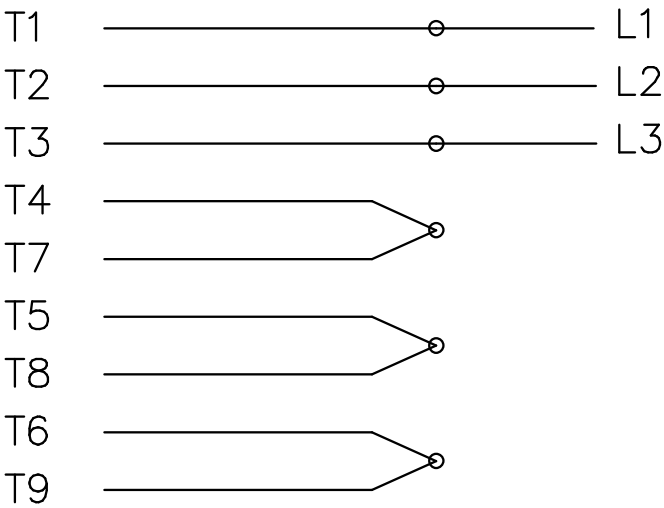
| DASH | FR.   | C     | AG    | BV   | DASH | FR.   | C     | AG    | BV   |
|------|-------|-------|-------|------|------|-------|-------|-------|------|
| 606  | 56-60 | 11.32 | 9.25  | 5.31 | 806  | 56-80 | 13.32 | 11.25 | 7.31 |
| 656  | "-65  | 11.82 | 9.75  | 5.81 | 856  | "-85  | 13.82 | 11.75 | 7.81 |
| 706  | "-70  | 12.32 | 10.25 | 6.31 | 906  | "-90  | 14.32 | 12.25 | 8.31 |
| 756  | "-75  | 12.82 | 10.75 | 6.81 | 956  | "-95  | 14.82 | 12.75 | 8.81 |

|                                                                                                                                                                                                                                        |                         |              |                |                                |        |                                                                                       |                      |      |             |             |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|----------------|--------------------------------|--------|---------------------------------------------------------------------------------------|----------------------|------|-------------|-------------|------|
|                                                                                                                                                                                                                                        |                         |              |                | TOLERANCES<br>UNLESS SPECIFIED |        |  | DRAWN RWR 03/11/2004 |      |             |             |      |
|                                                                                                                                                                                                                                        |                         |              |                | DEC.                           | INCHES |                                                                                       | CHK                  | ML   | 03/12/2004  |             |      |
|                                                                                                                                                                                                                                        |                         |              |                | .X                             | ±.1    |                                                                                       | APPD                 | GK   | 03/12/2004  |             |      |
| 3                                                                                                                                                                                                                                      | ADDED NOTE & 2          | CN29200-3978 | RJW 01-13-2005 | .XX                            | ±.03   | TITLE OUTLINE<br>56 FR. -TEFC -'C'FACE                                                |                      |      | SCALE       | 5=16        |      |
| 2                                                                                                                                                                                                                                      | DELETED NOTES 2 & 3     |              | RJW 10-18-2004 | .XXX                           | ±.005  |                                                                                       |                      |      | REF         | CN32620     |      |
| 1                                                                                                                                                                                                                                      | REVISED NAMEPLATE NOTE. | MU50676      | NJS 05-11-2004 | ML                             | .XXXX  | ±.0005                                                                                | MAT'L.               |      |             | FMF         |      |
| NO.                                                                                                                                                                                                                                    | REVISION                |              | BY & DATE      | CHK                            | ANG    | ±1/2"                                                                                 | 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 100103ln                                                                     |                      | SIZE | DRAWING NO. | PAGE 1 OF 1 | REV. |
|                                                                                                                                                                                                                                        |                         |              |                | DIST WP                        |        |                                                                                       |                      | A    | 100103LN    |             | 3    |

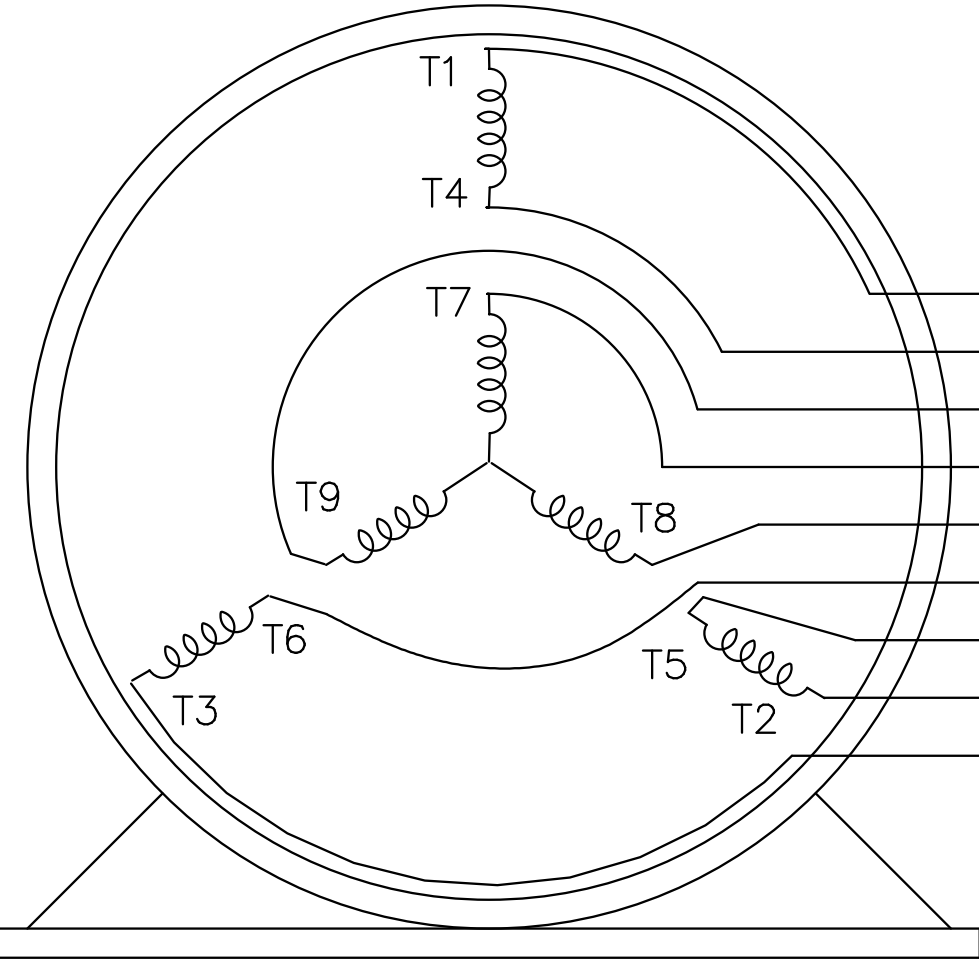
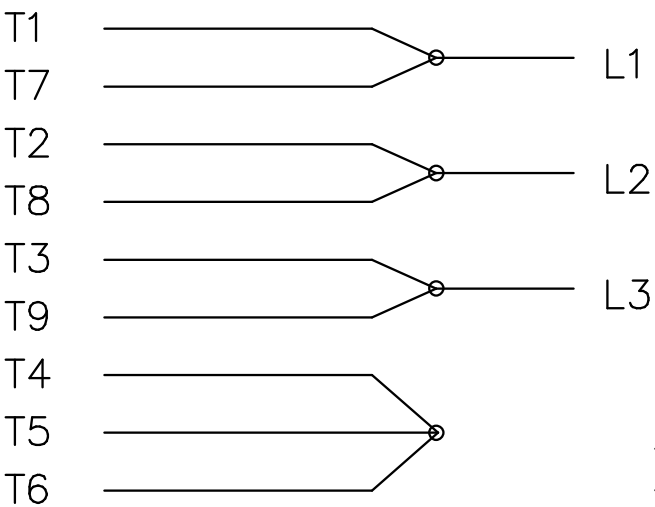
THREE PHASE  
DUAL VOLTAGE MOTOR

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       |      |
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|                                                                                                                                                                                                                                        |                                            |                | DIST WP |                                |                   |                                                                                       | A                    | EE7308-LN   |            | 3    |