



Model Number RD1-RS-TF-56C-4-B-C-.75-RND-115|230-60

MFG PN SLF563/4Z4L

List Price --

All data shown at HIGH voltage setting Format STD 1 Phase

| Electrical Data               |                          |         |              | General Data                         |                      |
|-------------------------------|--------------------------|---------|--------------|--------------------------------------|----------------------|
| Rated Motor Output Power      | 0.75 HP                  |         |              | Frame Size                           | 56                   |
| Rated Motor Speed             | 1725 r/min               |         |              | Enclosure                            | TEFC                 |
| Rated Motor Voltage (1 Phase) | 115 230-60 Volts - HZ    |         |              | Approximate Weight                   | 38                   |
| Rated Motor Current           | 3.0/1.5 Amps             |         |              | NEMA Design                          | L                    |
| Service Factor                | 1.15                     |         |              | IP Rating                            | 55                   |
| KVA Code                      | K                        |         |              | Insulation Class                     | F                    |
| Nominal Efficiency            | 84 %                     |         |              | Tropicalization                      | YES                  |
| Nominal Power Factor          | 0.84 cos $\theta$        |         |              | Duty                                 | Cont.                |
| Full Load Torque Ft-Lb        | 3.01 Ft-Lb               |         |              | Cable Entry                          | 1.25                 |
| Temp Rise @ Full Load °C      | 58.4                     |         |              | Feet Removable                       | YES                  |
| Efficiency Level              | IE3 - NEMA Premium       |         |              | Double Drilled                       | NO                   |
| Load Data                     | RPM                      | Trq %FL | Current Amps | Rated Ambient (°C)                   | 40                   |
| Locked Rotor                  | -                        | 259     | 24.13        | Rated Altitude (M)                   | 1000                 |
| Breakdown                     | -                        | 307     | -            | Coating                              | 7024 - Graphite Grey |
| Pull Up                       | -                        | 248     | -            | Start Capacitor ( $\mu$ F / V / Qty) | --                   |
| 125% of FL                    | 1728                     | -       | 4            | Run Capacitor ( $\mu$ F / V / Qty)   | --                   |
| 75% of FL                     | 1760                     | -       | 2.72         | Centrifugal Switch Type              | --                   |
| 50% of FL                     | 1774                     | -       | 2.16         | Mechanical Data                      |                      |
| No Load                       | --                       | -       | 1.48         | Bearing DE Side                      | 6203 2RZ             |
| Hazardous Location            | CLII/II Div2 Grp C,D/F,G |         |              | Bearing NDE Side                     | 6202 2RZ             |
|                               |                          |         |              | Moment of Inertia                    | -- kg.m2             |
|                               |                          |         |              | Noise Level                          | Per NEMA dB (A)      |

| CT VFD Range |  | -- | Loaded Torque Curves                                                                                |  |
|--------------|--|----|-----------------------------------------------------------------------------------------------------|--|
|              |  |    | P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), $\eta$ = Efficiency (%), cos $\phi$ = Power Factor |  |

| Certifications | UL                             | CSA    | DOE  |
|----------------|--------------------------------|--------|------|
| File Numbers   | 323353                         | 224693 | 096A |
| Wiring Diagram | RD1-56-145-Frame-wiringDiagram |        |      |



