



Single Phase

NEMA

| | |
|----------------------|----------------------------|
| MOTOR MODEL: | RD1-RS-TF-56C-4-B-C-.5-RND |
| FACTORY TYPE: | SLF |

NEMA Rolled Steel, TEFC

| ELECTRICAL DATA | | |
|--|---------------------|-------------|
| | 60 Hz | 50 Hz |
| Horsepower | 0.5 | - |
| Speed, RPM | 1725 | - |
| Voltage | 115/208-230 | - |
| # Phase | 1 | - |
| Full Load Amps | 5.2/2.9-2.6 | - |
| Power Factor | 0.9 | - |
| Nominal Efficiency | 70.0 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | - |
| KVA Code | K | - |
| FL Amps. @ 208 V | 2.9 | - |
| Locked Rotor Current | - | - |
| Start Capacitor | 250 | - |
| Start Capacitor V | 125 | - |
| Run Capacitor | 40 | - |
| Run Capacitor V | 250 | - |
| Number of Leads | 7 | - |
| Connection | - | - |
| Coil Resistance | - | - |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 44.67 | - |
| | | |
| 3D Image Link | | |
| RD1-RS-TF-56C-4-B-C-.5-RND | | |

| GENERAL DATA | | | |
|--|---------------------|--------------|-------|
| Frame Size | 56C | | |
| Frame Enclosure | TEFC | | |
| Mounting | Round Body/C-Flange | | |
| Insulation Class | F | | |
| Duty | Cont. / S1 | | |
| NEMA Design | L | | |
| Frame Material | Rolled Steel | | |
| Ingress Protection | 54 | | |
| Tropicalization | - | | |
| Cable Entry | 0.88" | | |
| Feet Removable | - | | |
| Double Drilled | - | | |
| Paint Color | Graphite Gray | | |
| Paint RAL | 7024 | | |
| Weight lb | 27.0 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6203-2RZ | | |
| NDE Bearing | 6202-2RZ | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavy washer) | NDE | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | - | - | - |
| Pull-Up Torque | - | - | - |
| Breakdown Torque | - | - | - |
| Full Load Torque | - | - | 100.0 |
| | | | |
| SITE CONDITIONS | | | |
| Ambient Temp °C | 40 | | |
| Altitude Above Sea Level m | 1000 | | |



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Non Sinusoidal (VFD) Output 0.5HP, 1725 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | - | - | Start Configuration |
| Pull-Up Torque | - | - | Starting Current (A) |
| Breakdown Torque | - | - | No-Load Current (A) |
| Full Load | - | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0 | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - |
| 50 | - | - | - | - | - | - |
| 75 | - | - | - | - | - | - |
| 100 | - | - | - | - | - | - |
| 125 | - | - | - | - | - | - |