| | | | |
|---|---|---|---|
| TECHTOP electric motors | **Model Number** | **RD1-RS-TF-56-4-B-C-.75-115\|230-60** | |
| | **MFG PN** | **SLF563/4Z4L** | |
| | **List Price** | **--** | |
| All data shown at HIGH voltage setting | | Format | STD 1 Phase |

| **Electrical Data** | |
|---|---|
| Rated Motor Output Power | 0.75 HP |
| Rated Motor Speed | 1725 r/min |
| Rated Motor Voltage (1 Phase) | 115\|230-60 Volts - HZ |
| Rated Motor Current | 3.0/1.5 Amps |
| Service Factor | 1.15 |
| KVA Code | K |
| Nominal Efficiency | 84 % |
| Nominal Power Factor | 0.84 cosθ |
| Full Load Torque Ft-Lb | 3.01 Ft-Lb |
| Temp Rise @ Full Load °C | 58.4 |
| Efficiency Level | IE3 - NEMA Premium |

| **Load Data** | **RPM** | **Trq %FL** | **Current Amps** |
|---|---|---|---|
| Locked Rotor | - | 259 | 24.13 |
| Breakdown | - | 307 | - |
| Pull Up | - | 248 | - |
| 125% of FL | 1728 | - | 4 |
| 75% of FL | 1760 | - | 2.72 |
| 50% of FL | 1774 | - | 2.16 |
| No Load | -- | - | 1.48 |

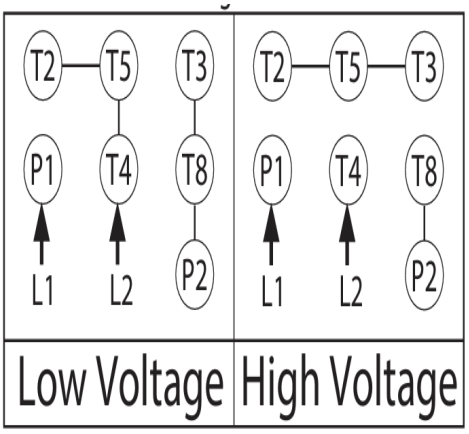
| | |
|---|---|
| Hazardous Location | **CLI/II Div2 Grp C,D/F,G** |

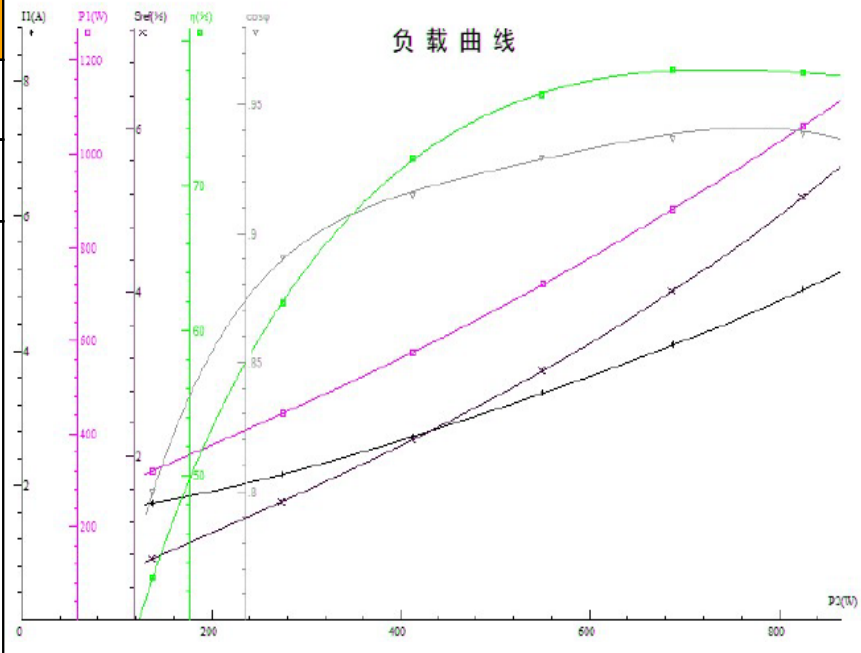
| **General Data** | |
|---|---|
| Frame Size | 56 |
| Enclosure | TEFC |
| Approximate Weight | 38 |
| NEMA Design | L |
| IP Rating | 55 |
| Insulation Class | F |
| Tropicalization | YES |
| Duty | Cont. |
| Cable Entry | -- |
| Feet Removable | YES |
| Double Drilled | NO |
| Rated Ambient (°C) | 40 |
| Rated Altitude (M) | 1000 |
| Coating | 7024 - Graphite Grey |
| Start Capacitor (µF / V / Qty) | -- |
| Run Capacitor (µF / V / Qty) | -- |
| Centrifugal Switch Type | -- |
| **Mechanical Data** | |
| Bearing DE Side | 6203 2RZ |
| Bearing NDE Side | 6202 2RZ |
| Moment of Inertia | -- kg.m2 |
| Noise Level | Per NEMA dB (A) |

| | |
|---|---|
| CT VFD Range | -- |
| **Loaded Torque Curves** | **--** |

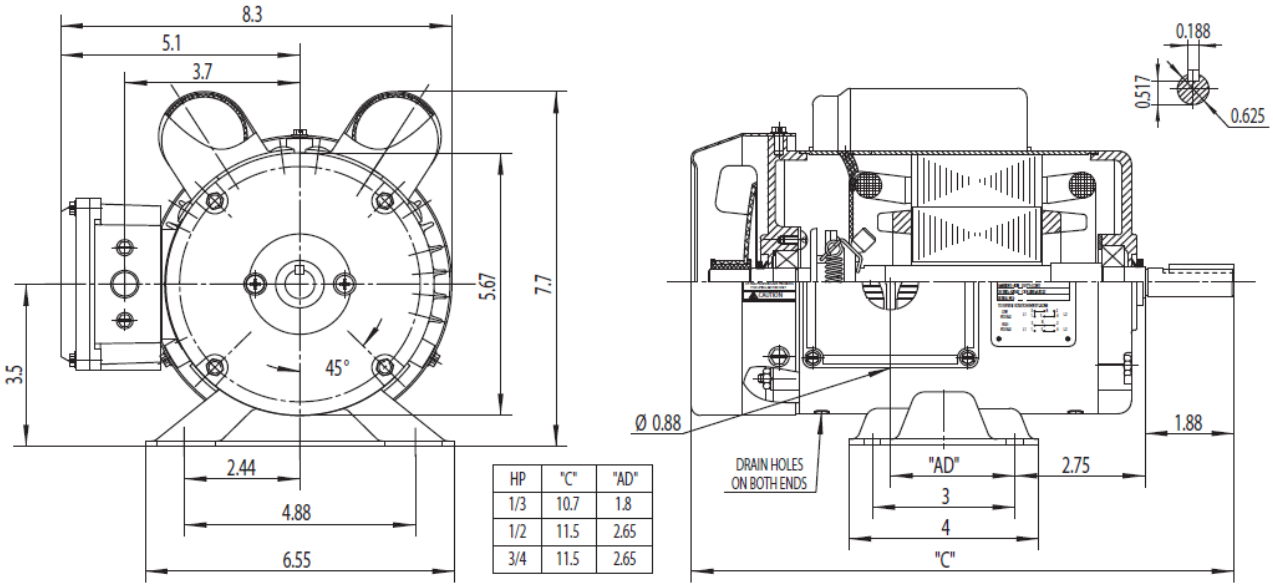
**P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor**

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



| | |
|---|---|
| Model Number | RD1-RS-TF-56-4-B-C-.75-115\|230-60 |
| MFG PN | SLF563/4Z4L |
| List Price | -- |
| Base Frame | RD-56-RS-TF |




| HP | "C" | "AD" |
|---|---|---|
| 1/3 | 10.7 | 1.8 |
| 1/2 | 11.5 | 2.65 |
| 3/4 | 11.5 | 2.65 |

**NEMA TEFC 56**

| | | | |
|---|---|---|---|
| Drawing Number: | RD1-RS-TF-56 | Issued Date: | 6/22/15 |
| Dimensions: | Inches | | |
| Mounting: | Rigid | TEFC - Red Line NEMA High Torque Farm Duty Series | |
| Casing Material: | Rolled Steel | | |