



Single Phase

NEMA

| | |
|----------------------|----------------------------|
| MOTOR MODEL: | RD1-RS-TF-213TCZ-4-B-B-7.5 |
| FACTORY TYPE: | SLF |

NEMA Rolled Steel, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 7.5 | - |
| Speed, RPM | 1740 | - |
| Voltage | 208-230 | - |
| # Phase | 1 | |
| Full Load Amps | 34.3-31.0 | - |
| Power Factor | 0.94 | - |
| Nominal Efficiency | 82.0 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | - |
| KVA Code | H | - |
| FL Amps. @ 208 V | 34.3 | - |
| LRC @ 60Hz HV | 218.397 | - |
| Start Capacitor | 400 x2 | |
| Start Capacitor V | 350 | |
| Run Capacitor | 40 x2 | |
| Run Capacitor V | 450 | |
| Number of Leads | 5 | |
| Connection | - | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| 3D Image Link | | |
| RD1-RS-TF-213TCZ-4-B-B-7.5 | | |

| GENERAL DATA | | |
|--|----------------|-------|
| Frame Size | 213TCZ | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid/C-Flange | |
| Insulation Class | F | |
| Duty | Cont. / S1 | |
| NEMA Design | L | |
| Frame Material | Rolled Steel | |
| Ingress Protection | 54 | |
| Tropicalization | - | |
| Cable Entry | 1.1" | |
| Feet Removable | - | |
| Double Drilled | true | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 185.0 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6208-2RZ | |
| NDE Bearing | 6206-2RZ | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | NDE | |
| | | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 89.8351 | 400.0 |
| Pull-Up Torque | 48.2864 | 215.0 |
| Breakdown Torque | 53.901 | 240.0 |
| Full Load Torque | 22.4588 | 100.0 |
| | | |
| | | |
| SITE CONDITIONS | | |
| Ambient Temp °C | 40 | |
| Altitude Above Sea Level m | 1000 | |

*This report valid for above Date Code and newer models, please contact Techtop for more info.



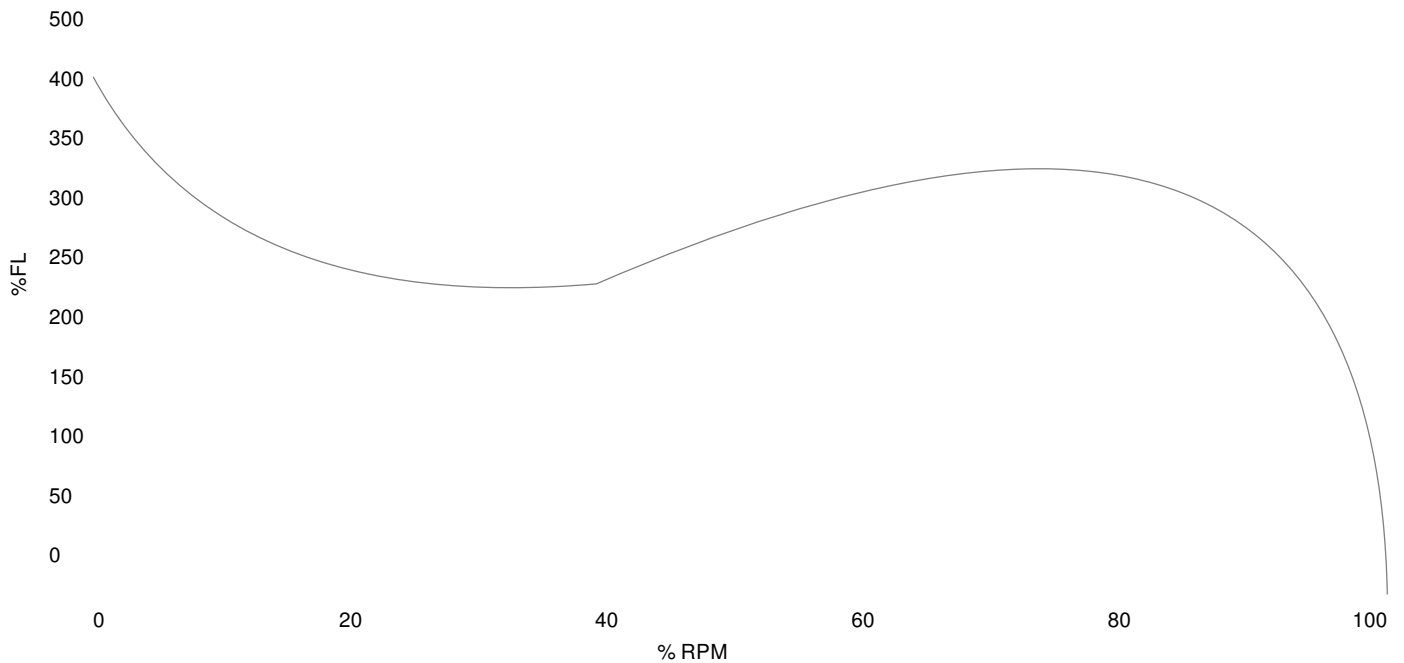
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values | |
|---------------------|--------------|-------|----------------------|---|
| Locked Rotor Torque | 89.8351 | 400.0 | Start Configuration | - |
| Pull-Up Torque | 48.2864 | 215.0 | Starting Current (A) | - |
| Breakdown Torque | 53.901 | 240.0 | No-Load Current (A) | - |
| Full Load | 22.4588 | 100.0 | No-Load Power Factor | - |

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

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