



# Pump Motors

## NEMA

|               |                           |
|---------------|---------------------------|
| MOTOR MODEL:  | GR3-CI-TF-254JP-2-BR-D-15 |
| FACTORY TYPE: | TXC                       |

### Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA              |              |           |
|------------------------------|--------------|-----------|
|                              | 60 Hz        | 50 Hz     |
| Horsepower                   | 15.0         | 15.0      |
| Speed, RPM                   | 3540         | 2920      |
| Voltage                      | 230/460      | 190/380   |
| # Phase                      | 3            |           |
| Full Load Amps               | 35.08/17.54  | 45.2/22.6 |
| Power Factor                 | 0.88         | -         |
| Nominal Efficiency           | 91.0         | 88.0      |
| 3/4 Load Efficiency          | -            | -         |
| Service Factor               | 1.25         | 1.0       |
| KVA Code                     | L            | F         |
| FL Amps. @ 208 V             | 38.7866      | -         |
| Locked Rotor Current         | 208.506      | -         |
| Start Capacitor              | -            |           |
| Start Capacitor V            | -            |           |
| Run Capacitor                | -            |           |
| Run Capacitor V              | -            |           |
| Number of Leads              | 12           |           |
| Connection                   | DD/D         |           |
| Coil Resistance              | -            |           |
| Date Code                    | -            |           |
|                              |              |           |
| Load                         | Efficiency % | P.F.      |
| 50%                          | 87.1         | 0.71      |
| 75%                          | 89.66        | 0.81      |
| 100%                         | 90.53        | 0.86      |
|                              |              |           |
| FULL LOAD TEMPERATURE RISE   |              |           |
| FL Temp Rise °C              | 52.0         | -         |
|                              |              |           |
| 3D Image Link                |              |           |
| Not available for this motor |              |           |

| GENERAL DATA                               |               |              |       |
|--|---------------|--------------|-------|
| Frame Size                                 | 254JP         |              |       |
| Frame Enclosure                            | TEFC          |              |       |
| Mounting                                   | Rigid         |              |       |
| Insulation Class                           | F             |              |       |
| Duty                                       | Cont. / S1    |              |       |
| NEMA Design                                | A             |              |       |
| Frame Material                             | Cast Iron     |              |       |
| Ingress Protection                         | 55            |              |       |
| Tropicalization                            | true          |              |       |
| Cable Entry                                | 1-NPT 1-1/4"  |              |       |
| Feet Removable                             | true          |              |       |
| Double Drilled                             | -             |              |       |
| Paint Color                                | Graphite Gray |              |       |
| Paint RAL                                  | 7024          |              |       |
| Weight lb                                  | 254.678       |              |       |
|  |               |              |       |
| MECHANICAL DATA                            |               |              |       |
| DE Bearing                                 | 6309C3        |              |       |
| NDE Bearing                                | 6309C3        |              |       |
| dB No-Load                                 | -             |              |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |              |       |
| Comp Ring (wavy washer)                    | NDE           |              |       |
|  |               |              |       |
| TORQUE VALUES                              |               | Torque lb-ft | % FLT |
| Locked Rotor Torque                        | 75.0398       | 337.0        |       |
| Pull-Up Torque                             | 42.9753       | 193.0        |       |
| Breakdown Torque                           | 88.1773       | 396.0        |       |
| Full Load Torque                           | 22.267        | 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 Techttop for more info.

Techtop Industries  
2815 Colonnades Court  
Peachtree Corners, GA 30071  
Tel: 678-436-5540  
E-Mail: info@techttopind.com



# Pump Motors

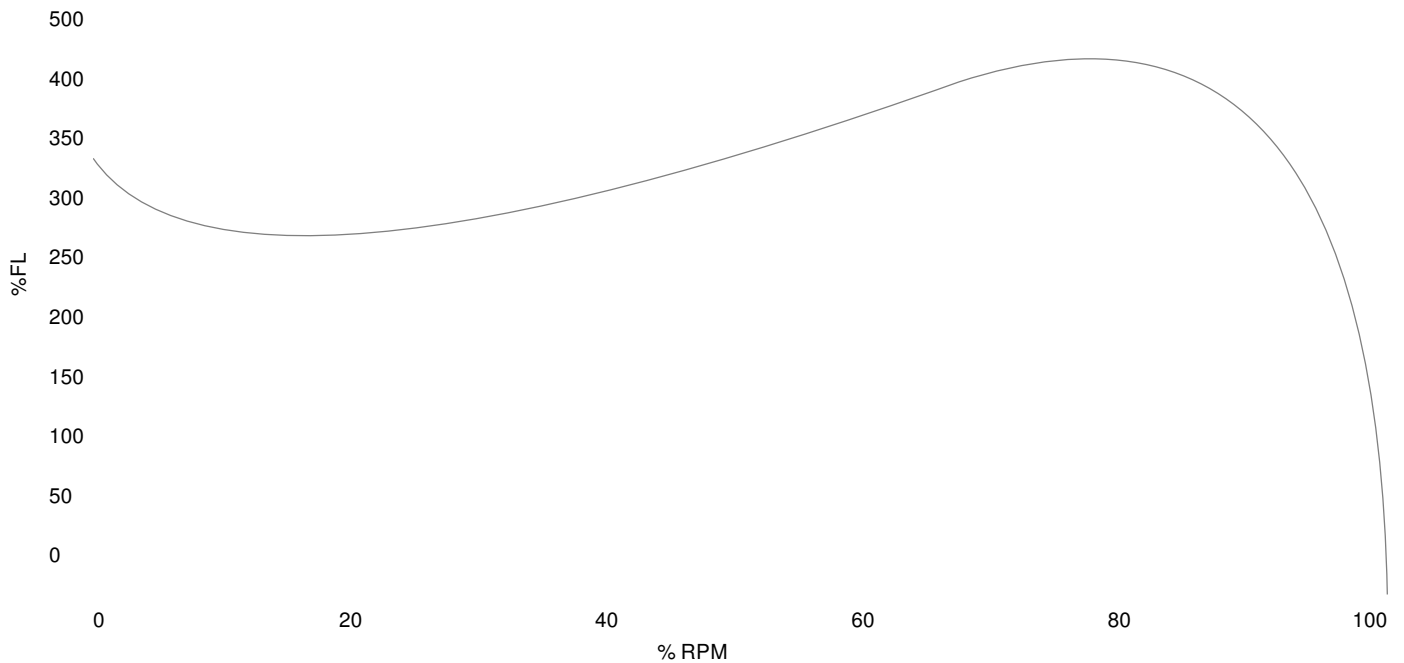
## NEMA

|                      |                           |
|----------------------|---------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-254JP-2-BR-D-15 |
| <b>FACTORY TYPE:</b> | TXC                       |

### Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 15.0HP, 3540 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 75.0398      | 337.0 | Start Configuration  |
| Pull-Up Torque      | 42.9753      | 193.0 | Starting Current (A) |
| Breakdown Torque    | 88.1773      | 396.0 | No-Load Current (A)  |
| Full Load           | 22.267       | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 8.01          | -                      | -          | -          | -    |
| 25     | 3.75       | 9.11          | 3.58                   | 3592.6     | 78.93      | 0.49 |
| 50     | 7.5        | 11.59         | 6.49                   | 3585.6     | 87.1       | 0.71 |
| 75     | 11.25      | 14.7          | 9.45                   | 3578.2     | 89.66      | 0.81 |
| 100    | 15.0       | 18.29         | 12.48                  | 3570.4     | 90.53      | 0.86 |
| 125    | 18.75      | 22.21         | 15.58                  | 3562.3     | 90.67      | 0.88 |

Techtop Industries  
 2815 Colonnades Court  
 Peachtree Corners, GA 30071  
 Tel: 678-436-5540  
 E-Mail: info@techttopind.com