



IE1

IEC

|                      |                           |
|----------------------|---------------------------|
| <b>MOTOR MODEL:</b>  | BL3-AL-TF-80B35-4-B-D-.75 |
| <b>FACTORY TYPE:</b> | TM                        |

IE1 IEC Cast Aluminum, TEFC

| ELECTRICAL DATA              |              |           |
|------------------------------|--------------|-----------|
|                              | 60 Hz        | 50 Hz     |
| Horsepower                   | 0.75         | 0.75      |
| Speed, RPM                   | 1700         | 1380      |
| Voltage                      | 230/460      | 190/380   |
| # Phase                      | 3            |           |
| Full Load Amps               | 2.72/1.36    | 3.14/1.57 |
| Power Factor                 | 0.69         | -         |
| Nominal Efficiency           | 73.5         | -         |
| 3/4 Load Efficiency          | -            | -         |
| Service Factor               | 1.15         | 1.0       |
| KVA Code                     | J            | F         |
| FL Amps. @ 208 V             | 2.75         | -         |
| LRC @ 60Hz HV                | -            | -         |
| Start Capacitor              | -            |           |
| Start Capacitor V            | -            |           |
| Run Capacitor                | -            |           |
| Run Capacitor V              | -            |           |
| Number of Leads              | 9            |           |
| Connection                   | YY/Y         |           |
| Coil Resistance              | -            |           |
| Date Code                    | -            |           |
|                              |              |           |
| Load                         | Efficiency % | P.F.      |
| 50%                          | -            | -         |
| 75%                          | -            | -         |
| 100%                         | -            | -         |
| FULL LOAD TEMPERATURE RISE   |              |           |
| FL Temp Rise °C              | -            | -         |
|                              |              |           |
| 3D Image Link                |              |           |
| Not available for this motor |              |           |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 80B35         |       |
| Frame Enclosure                            | TEFC          |       |
| Mounting                                   | B35           |       |
| Insulation Class                           | F             |       |
| Duty                                       | Cont. / S1    |       |
| NEMA Design                                | -             |       |
| Frame Material                             | Cast Aluminum |       |
| Ingress Protection                         | 55            |       |
| Tropicalization                            | true          |       |
| Cable Entry                                | 1-M20X1.5     |       |
| Feet Removable                             | true          |       |
| Double Drilled                             | -             |       |
| Paint Color                                | Graphite Gray |       |
| Paint RAL                                  | 7024          |       |
| Weight lb                                  | 17.82         |       |
|  |               |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | 6204ZZ        |       |
| NDE Bearing                                | 6204ZZ        |       |
| dB No-Load                                 | -             |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |       |
| Comp Ring (wavy washer)                    | -             |       |
|  |               |       |
| TORQUE VALUES                              | Torque lb-ft  | % FLT |
| Locked Rotor Torque                        | -             | -     |
| Pull-Up Torque                             | -             | -     |
| Breakdown Torque                           | -             | -     |
| Full Load Torque                           | -             | -     |
|  |               |       |
| 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.



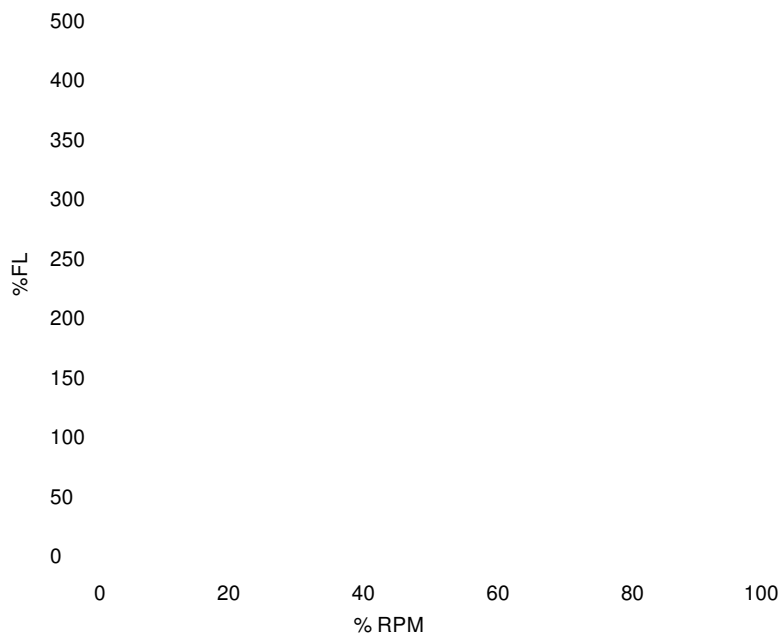
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

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

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