



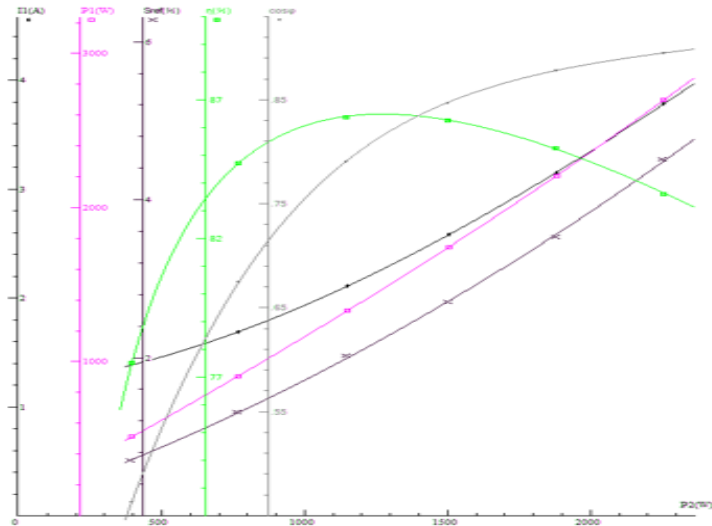
Model Number GX3-AL-TF-145T-2-B-D-2-230|460-60

MFG PN T145T2U2B

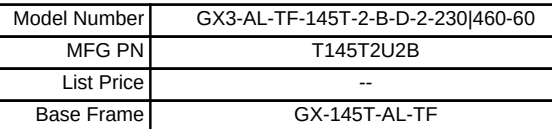
List Price --

All data shown at HIGH voltage setting

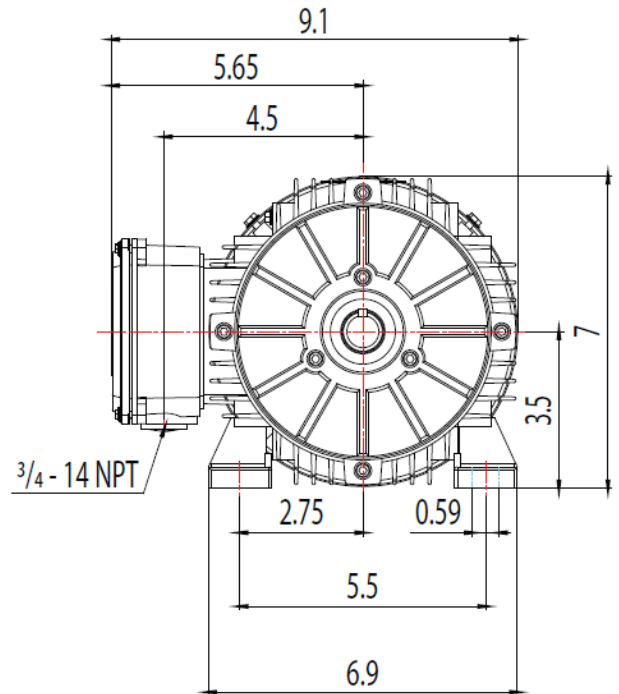
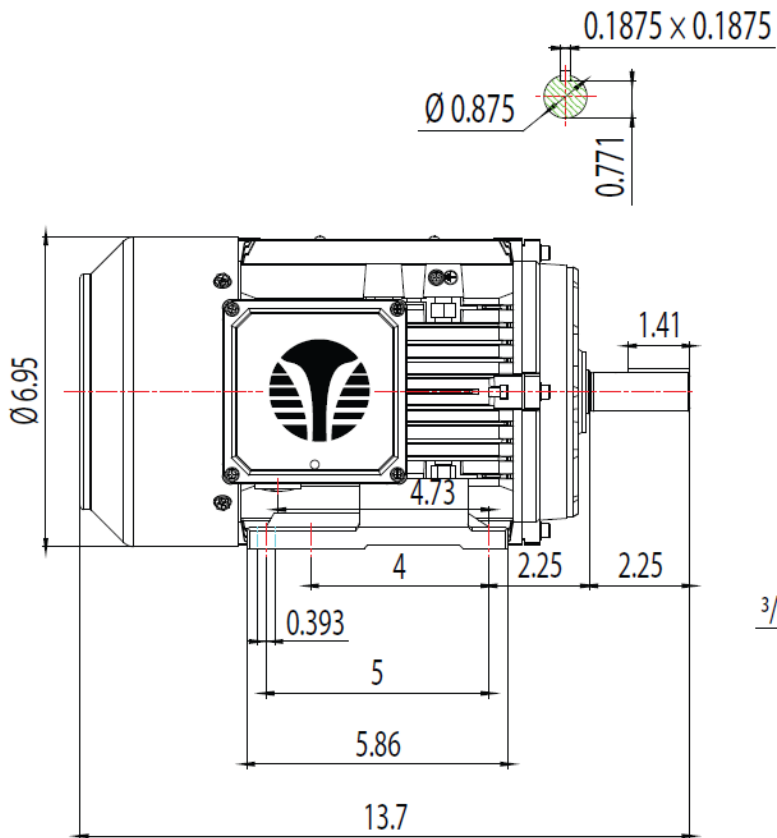
Format STD 3 Phase

| Electrical Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |                       |                                                                                          | General Data                                                                         |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------|
| Rated Motor Output Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             | 2 HP                  |                                                                                          | Frame Size                                                                           | 145                  |
| Rated Motor Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             | 3500 r/min            |                                                                                          | Enclosure                                                                            | TEFC                 |
| Rated Motor Voltage (3 Phase)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             | 230 460-60 Volts - HZ |                                                                                          | Approximate Weight                                                                   | 31.57                |
| Rated Motor Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             | 5.18/2.59 Amps        |                                                                                          | NEMA Design                                                                          | A                    |
| Service Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             | 1.25                  |                                                                                          | IP Rating                                                                            | 55                   |
| KVA Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             | L                     |                                                                                          | Insulation Class                                                                     | F                    |
| Nominal Efficiency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             | 85.5 %                |                                                                                          | Tropicalization                                                                      | YES                  |
| Nominal Power Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             | 0.85 cosθ             |                                                                                          | Duty                                                                                 | Cont.                |
| Full Load Torque Ft-Lb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             | 3.031536 Ft-Lb        |                                                                                          | Cable Entry                                                                          | 1.25                 |
| Temp Rise @ Full Load °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             | 39.4                  |                                                                                          | Feet Removable                                                                       | YES                  |
| Efficiency Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             | IE3 - NEMA Premium    |                                                                                          | Double Drilled                                                                       | NO                   |
| Load Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RPM                         | Trq %FL               | Current Amps                                                                             | Rated Ambient (°C)                                                                   | 40                   |
| Locked Rotor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                           | 294                   | 23.6                                                                                     | Rated Altitude (M)                                                                   | 1000                 |
| Breakdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                           | 332                   | -                                                                                        | Coating                                                                              | 7024 - Graphite Grey |
| Pull Up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                           | 202                   | -                                                                                        | Shaft Grounding                                                                      | Yes                  |
| 125% of FL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3481                        | -                     | 3.13                                                                                     | Brake Voltage (DC)                                                                   | --                   |
| 75% of FL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3534                        | -                     | 2                                                                                        | Brake Torque (N-M)                                                                   | --                   |
| 50% of FL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3556                        | -                     | 1.68                                                                                     | Mechanical Data                                                                      |                      |
| No Load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3591                        | -                     | 1.28                                                                                     | Bearing DE Side                                                                      | 6205C3               |
| Hazardous Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Class 1, Div 2, Grp A,B,C,D |                       |                                                                                          | Bearing NDE Side                                                                     | 6205C3               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |                       |                                                                                          | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3PH 9 Lead Dual Voltage     |                       |                                                                                          |                                                                                      |                      |
| <div>3 Phase - YY/Y - 9 Lead</div> <div>4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD</div> <div>Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom</div> <div>Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom</div> <div>CONNECTIONS</div> <div><div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>1</div><div>2</div><div>3</div></div><div>LOW VOLTAGE</div></div> <div><div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>1</div><div>2</div><div>3</div></div><div>HIGH VOLTAGE</div></div> |                             |                       |                                                                                          |                                                                                      |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |                       |                                                                                          |                                                                                      |                      |

Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540



|             |     |      |          |                    |            |             |      |      |
|-------------|-----|------|----------|--------------------|------------|-------------|------|------|
| FRAME: 140T | HP: | RPM: | PHASE: 3 | VOLT: 208-230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA: |
|-------------|-----|------|----------|--------------------|------------|-------------|------|------|



| MODEL NUMBER:  | REV. | BY | DATE | CHANGES |
|----------------|------|----|------|---------|
| GX3-AL-TF-140T | 1    |    |      |         |
|                | 2    |    |      |         |
| MFG PN:        | 3    |    |      |         |
|                | 4    |    |      |         |
|                | 5    |    |      |         |
|                | 6    |    |      |         |
|                | 7    |    |      |         |

|                    |          |
|--------------------|----------|
| MATERIAL: ALUMINUM |          |
| UNITS: INCH        | BY: SSEE |
| DRAWN: 11/16/2018  |          |
| WWW.TECHTOP.COM    |          |

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