



Model Number XR3-AL-TF-100LB34-4-B-D-4-190|380-50

MFG PN T 100L2-4

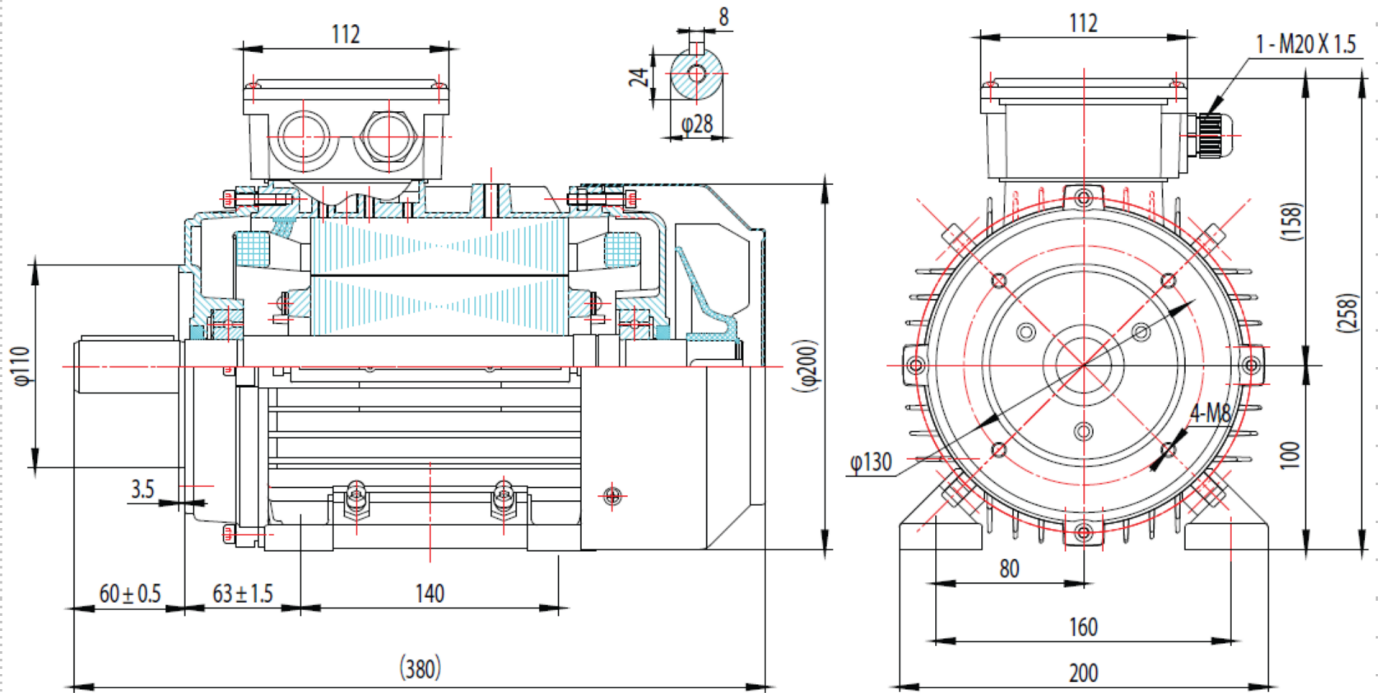
List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

| Electrical Data                                   |                             |                                                                                          |              | General Data         |                      |
|---------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------|--------------|----------------------|----------------------|
| Rated Motor Output Power                          |                             | 4 HP                                                                                     |              | Frame Size           | 100                  |
| Rated Motor Speed                                 |                             | 1450 r/min                                                                               |              | Enclosure            | TEFC                 |
| Rated Motor Voltage (3 Phase)                     |                             | 190 380-50 Volts - HZ                                                                    |              | Approximate Weight   | 63.6                 |
| Rated Motor Current                               |                             | 12.5/6.25 Amps                                                                           |              | NEMA Design          | BE                   |
| Service Factor                                    |                             | 1.15                                                                                     |              | IP Rating            | 55                   |
| KVA Code                                          |                             | J                                                                                        |              | Insulation Class     | H                    |
| Nominal Efficiency                                |                             | 89 %                                                                                     |              | Tropicalization      | YES                  |
| Nominal Power Factor                              |                             | 0.82 cosθ                                                                                |              | Duty                 | Cont.                |
| Full Load Torque Ft-Lb                            |                             | 14.53072 Ft-Lb                                                                           |              | Cable Entry          | M20 X 1.5            |
| Temp Rise @ Full Load °C                          |                             | 31                                                                                       |              | Feet Removable       | YES                  |
| Efficiency Level                                  |                             | IE3 - NEMA Premium                                                                       |              | Double Drilled       | NO                   |
| Load Data                                         | RPM                         | Trq %FL                                                                                  | Current Amps | Rated Ambient (°C)   | 40                   |
| Locked Rotor                                      | -                           | 258                                                                                      | 47           | Rated Altitude (M)   | 1000                 |
| Breakdown                                         | -                           | 306                                                                                      | -            | Coating              | 7024 - Graphite Grey |
| Pull Up                                           | -                           | 227                                                                                      | -            | Shaft Grounding      | YES                  |
| 125% of FL                                        | 1499.2                      | -                                                                                        | 9.23         | Brake Voltage (DC)   | --                   |
| 75% of FL                                         | 1499.7                      | -                                                                                        | 4.87         | Brake Torque (N-M)   | --                   |
| 50% of FL                                         | 1499.8                      | -                                                                                        | 3.83         | Mechanical Data      |                      |
| No Load                                           | --                          | -                                                                                        | 2.78         | Bearing DE Side      | 6206ZZ               |
| Hazardous Location                                | Class 1, Div 2, Grp A,B,C,D |                                                                                          |              | Bearing NDE Side     | 6206ZZ               |
|                                                   |                             |                                                                                          |              | 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 IEC Dual Voltage |                                                                                          |              |                      |                      |
| <div><div><h3>CONNECTION DIAGRAM</h3></div></div> |                             |                                                                                          |              |                      |                      |

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|                  |               |                    |         |
|------------------|---------------|--------------------|---------|
| MODEL NUMBER     | XR-100LB34-AL | ISSUE DATE:        | 04/2025 |
| DIMENSIONS       | in            |                    |         |
| CASTING MATERIAL | ALUMINUM      | WWW.TECHTOPIND.COM |         |

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