

**NEMA**

**Model JPC0076DP**  
MFG PN: T254T 7.5U6B

# Model JPC0076DP

## Product Data Package



| MODEL     | HP  | RPM  | VOLTAGE | PHASE | Hz | FRAME | MOUNT          | ENCLOSURE |
|-----------|-----|------|---------|-------|----|-------|----------------|-----------|
| JPC0076DP | 7.5 | 1175 | 230/460 | 3     | 60 | 254JP | Rigid/C-Flange | TEFC      |

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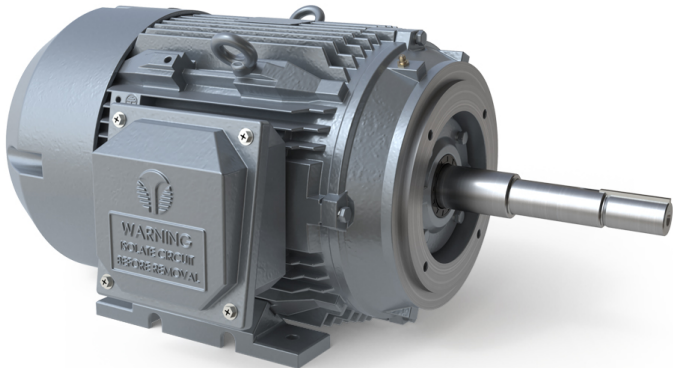
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# NEMA

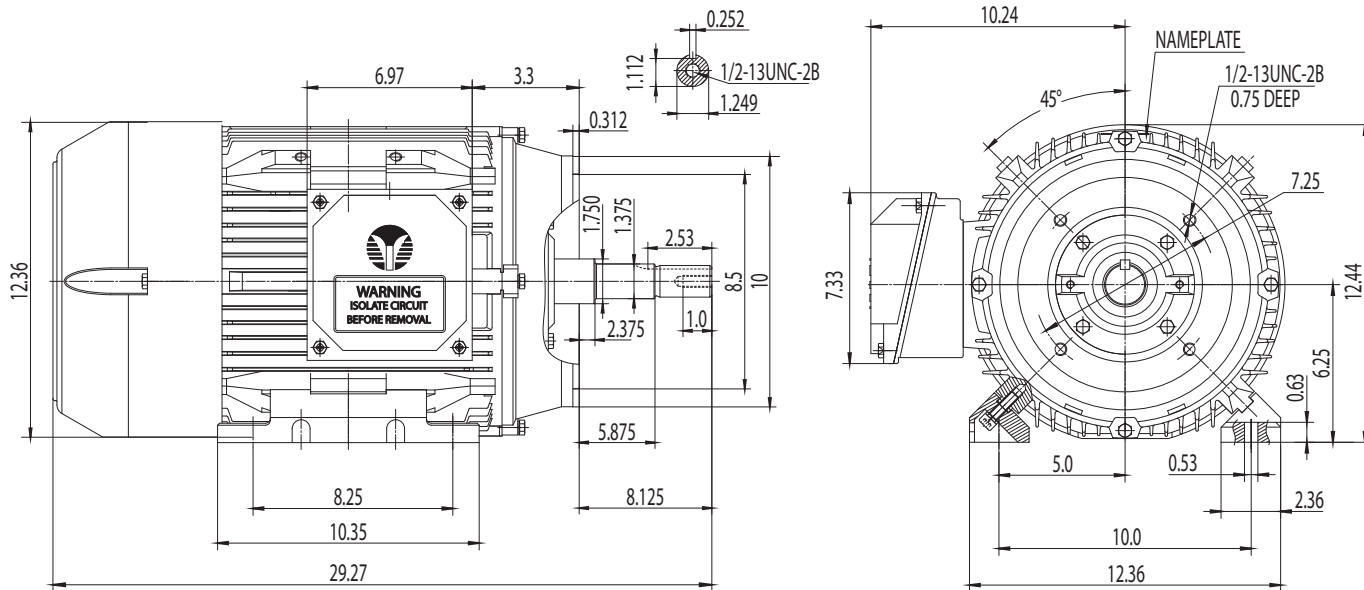
**Model JPC0076DP**  
**MFG PN: T254T 7.5U6B**

| ELECTRICAL DATA                     |           |                            |
|-------------------------------------|-----------|----------------------------|
| Rated Motor Output Power            | 7.5       | HP                         |
|                                     | -         | kW                         |
| Rated Motor Speed                   | 1175      | r/min 60Hz                 |
|                                     | 970       | r/min 50Hz                 |
| Rated Motor Voltage (+/-10%)        | 230/460   | V/60Hz                     |
|                                     | 190/380   | V/50Hz                     |
| Rated Motor Current                 | 20.8/10.4 | A (I <sub>n</sub> ) @ 60Hz |
|                                     | 25/12.5   | A (I <sub>n</sub> ) @ 50Hz |
| Phase                               | 3         | Ø                          |
| Locked Rotor Current @ High Voltage | 67.71     | A (I <sub>n</sub> ) @ 60Hz |
| FI Current @ 208V                   | 23.07     | A (I <sub>n</sub> ) @ 60Hz |
| Service Factor                      | 1.25      | @ 60Hz                     |
|                                     | 1         | @ 50Hz                     |
| KVA Code                            | K         | 60Hz                       |
|                                     | H         | 50Hz                       |
| Nominal Efficiency                  | 91        | % @ 60Hz                   |
| Nominal Power Factor                | 0.74      | cosΦ @ 60Hz                |
| Leads (Qty, Size)                   | 12        | 14                         |
| Connection                          | DD/D      | -                          |
| Coil Resistance                     | 9.3       | Ω                          |
| Start Capacitor                     | -         | µF/V                       |
| Run Capacitor                       | -         | µF/V                       |
| VFD DUTY (S.F. 1.0)                 | RATIO     | Hz                         |
| Variable Torque                     | 1000:1    | 0.06 - 60                  |
| Constant Torque                     | 15:1      | 4 - 60                     |
| FULL LOAD TEMPERATURE RISE          |           |                            |
| Full Load Temperature Rise          | 37.7      | °C @ 60Hz                  |
|                                     | 47.8      | °C @ 50Hz                  |

| GENERAL DATA                        |                  |           |
|-------------------------------------|------------------|-----------|
| Frame Size                          | 254JP            |           |
| Enclosure                           | TEFC             |           |
| Mounting                            | Rigid/C-Flange   |           |
| Approximate Weight (lbs.)           | 263.9 lbs.       |           |
| Casing Material / Fan Cover         | Cast Iron        | Cast Iron |
| Shaft Material                      | 304 SS           |           |
| NEMA Design                         | A                |           |
| Degree of Protection (IP)           | 55               |           |
| Insulation Class / Temp Rise (60Hz) | F                | B         |
| Tropicalization                     | YES              |           |
| Duty                                | Cont. / S1       |           |
| Conduit Box Location                | F1               |           |
| Feet Removable / Double Drilled     | YES              | NO        |
| Paintwork                           | 7024             |           |
|                                     | Graphite Gray    |           |
| MECHANICAL DATA                     |                  |           |
| Bearing DE Side                     | 6309 C3          |           |
| Bearing ODE Side                    | 6309 C3          |           |
| Grease Type                         | Mobil Polyrex EM |           |
| Compensation Ring (wavy washer)     | NDE              |           |
| Moment of Inertia (lb-ft²)          | 2.51             |           |
| Sound Pressure @ 3 FT dBA           | 66.6             |           |
| SITE CONDITIONS                     |                  |           |
| Ambient Temperature (°C)            | 40               |           |
| Meters Above Sea Level (MASL)       | 1000             |           |
| HAZARDOUS LOCATIONS                 |                  |           |
| CSA Certified                       | A, B, C & D      |           |
| Temperature Code                    | T3               | -         |

**Questions? Call 1.888.286.1820**

MFG PN: T254T 7.5U6B



| NAMEPLATE DATA             | 60Hz       | 50Hz    |
|----------------------------|------------|---------|
| Horse Power                | 7.5        | 7.5     |
| RPM                        | 1175       | 970     |
| Voltage                    | 230/460    | 190/380 |
| Full Load Amps             | 20.8/10.4  | 25/12.5 |
| Service Factor             | 1.25       | 1       |
| KVA Code                   | K          | H       |
| Full Load Amps (208V)      | 23.07      | -       |
| Nominal Efficiency         | 91         | 88.8    |
| Nominal Power Factor       | 0.74       | -       |
| Design                     | A          |         |
| Frame                      | 254JP      |         |
| Enclosure Type             | TEFC       |         |
| IP Rating                  | 55         |         |
| Duty                       | Cont. / S1 |         |
| Insulation Class           | F          |         |
| Ambient Rating             | 40         |         |
| Drive End Bearing          | 6309 C3    |         |
| Opposite Drive End Bearing | 6309 C3    |         |
| Weight (lbs)               | 263.9      |         |

## NAMEPLATE LAYOUT

|                                                                |                                      |                                                                                     |                     |
|----------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|---------------------|
| <b style="font-size: 2em; vertical-align: middle;">TECHTOP</b> |                                      | <b>INDUSTRIAL THREE PHASE PUMP MOTOR</b><br><b>INVERTER DUTY 1000:1 VT - 1.0 SF</b> |                     |
| MODEL                                                          |                                      |                                                                                     | TECHTOPCANADA.COM   |
| <b>NEMA</b><br><i>Premium</i>                                  | 60Hz                                 | 50Hz                                                                                | MFG PN              |
|                                                                | HP                                   |                                                                                     | MFG DATE            |
|                                                                | RPM                                  |                                                                                     | SER #               |
|                                                                | VOLT                                 |                                                                                     | DESIGN              |
|                                                                | FLA                                  |                                                                                     | FRAME               |
|                                                                | SF                                   |                                                                                     | ENCL                |
| KVA CODE                                                       |                                      | IP                                                                                  | <br>CC098A          |
| NOM.EFF                                                        |                                      | DUTY                                                                                |                     |
|                                                                |                                      | INS CL                                                                              |                     |
| FLA                                                            |                                      | AMB                                                                                 | WEIGHT              |
| <b>USABLE AT</b><br><b>208V 60Hz</b>                           |                                      | <b>BEARING SIZE</b>                                                                 |                     |
| DE                                                             | ODE                                  | <br>E323353<br><br>C 224693<br><br>Energy Verified Only                             |                     |
| GREASE: MOBIL POLYREX EM                                       |                                      |                                                                                     |                     |
| MADE IN CHINA                                                  | CLASS 1, DIV 2, GROUPS A, B, C AND D |                                                                                     | IEEE 45 MARINE DUTY |

| VFD DUTY (S.F. 1.0) | RATIO  | Hz*       |
|---------------------|--------|-----------|
| Variable Torque     | 1000:1 | 0.06 - 60 |
| Constant Torque     | 15:1   | 4 - 60    |

\*For max speed please contact Techtop Canada

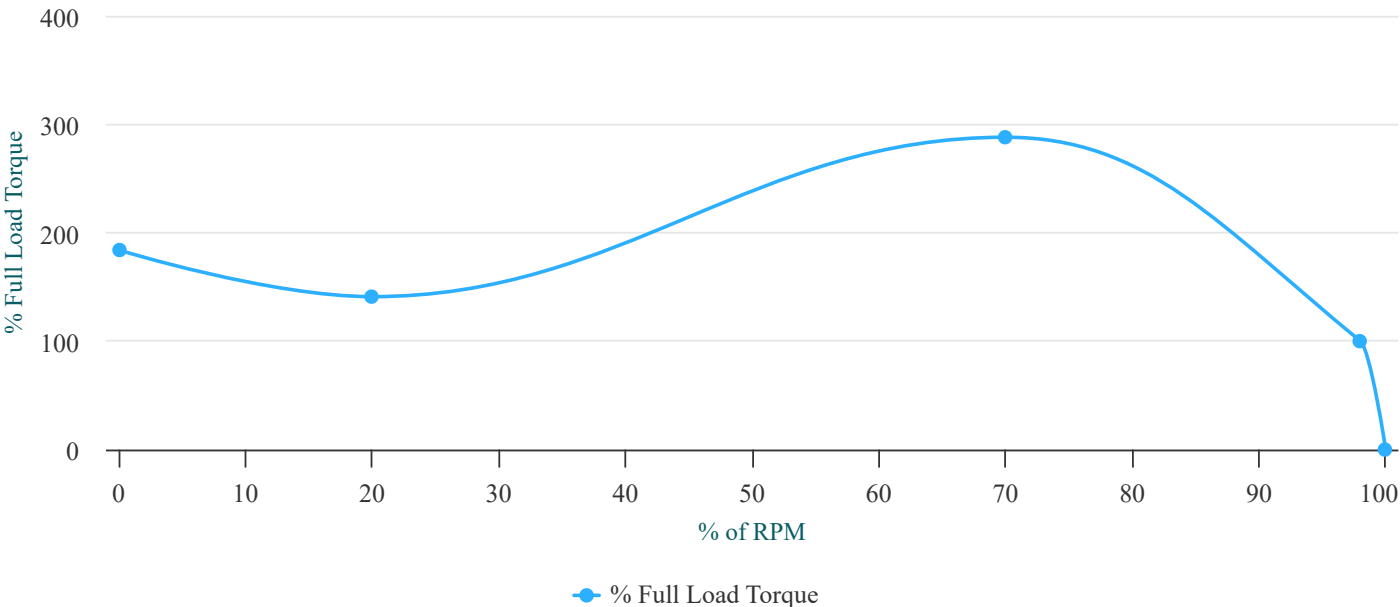
| HAZARDOUS LOCATIONS | CSA CERTIFIED   |
|---------------------|-----------------|
| Class / Division    | Class I, Div. 2 |
| Groups              | A, B, C & D     |

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**Torque Speed (T-n) Curve**



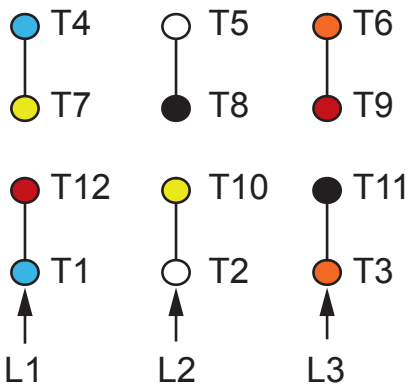
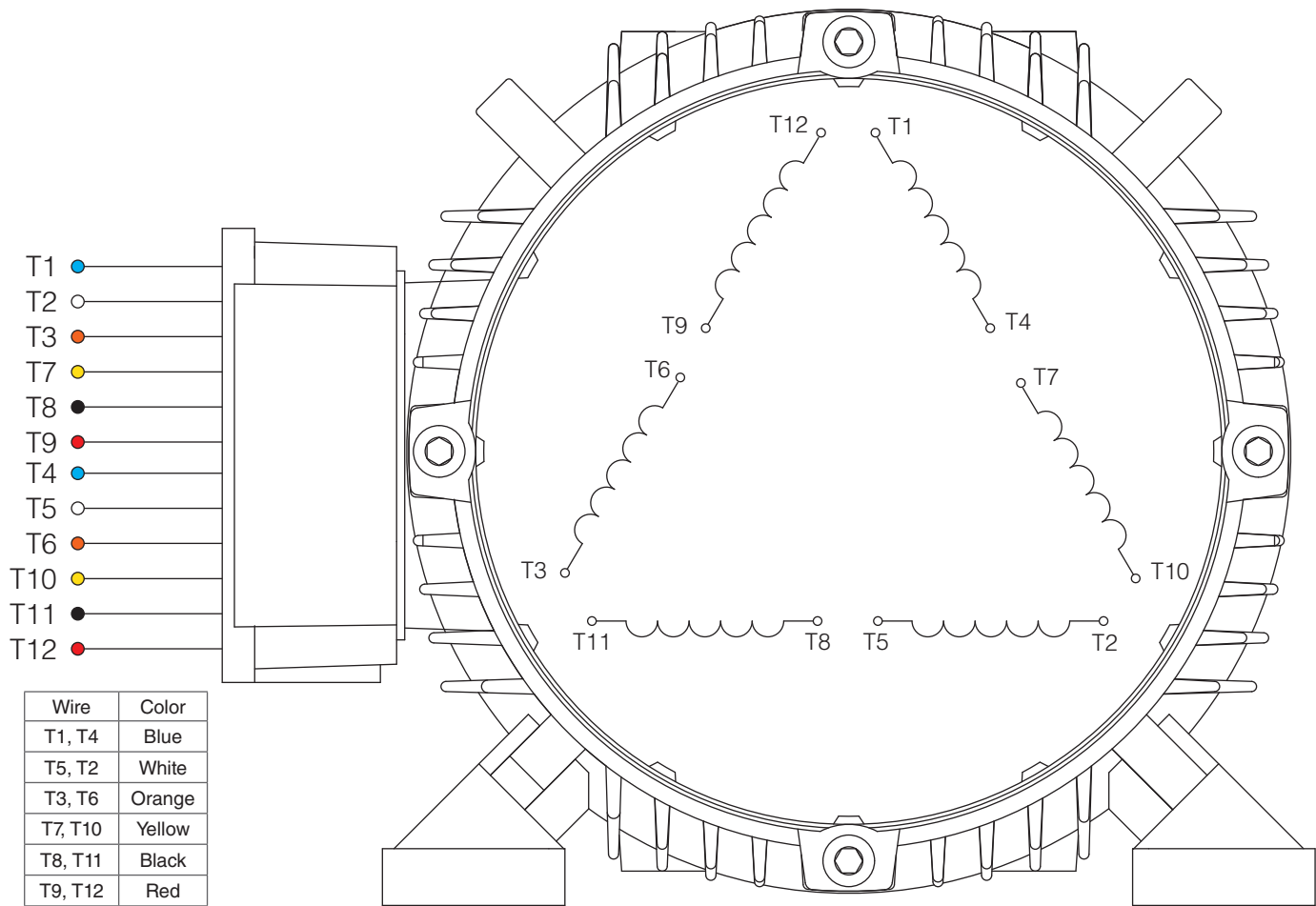
**PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz**

| TORQUE VALUES       | TORQUE (lb-ft) | TORQUE (% FULL LOAD) | PERFORMANCE VALUES   |       |
|---------------------|----------------|----------------------|----------------------|-------|
| Locked Rotor Torque | 61.7           | 184                  | Start Configuration  | DOL   |
| Pull-Up Torque      | 47.3           | 141                  | Starting Current (A) | 67.71 |
| Breakdown Torque    | 96.5           | 288                  | No-Load Current (A)  | 5.2   |
| Full Load Torque    | 33.5           | 100                  | No-Load Power Factor | 0.05  |

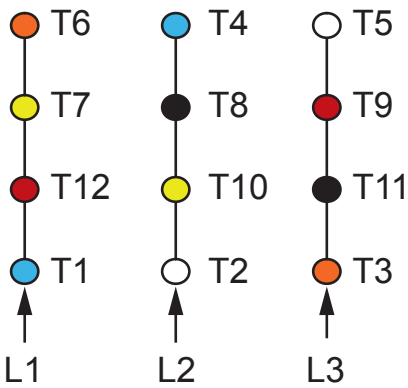
**TYPICAL PERFORMANCE - NOT GUARANTEED VALUES**

| % OF RATED LOAD     | 25   | 50   | 75   | 100  | 125  | S.F. 1.25 |
|---------------------|------|------|------|------|------|-----------|
| Line Amperes (A)    | 5.6  | 6.7  | 8.2  | 10.1 | 12.3 | 12.3      |
| Efficiency (%)      | 86.3 | 90.8 | 91.5 | 91.1 | 90.1 | 90.1      |
| Speed (r/min)       | 1195 | 1190 | 1184 | 1177 | 1169 | 1169      |
| Power Factor (cosΦ) | 0.36 | 0.57 | 0.69 | 0.75 | 0.78 | 0.78      |
| Input Power (kW)    | 1.59 | 3.03 | 4.51 | 6.04 | 7.63 | 7.63      |

Questions? Call 1.888.286.1820



HIGH VOLTAGE  
(Δ)



LOW VOLTAGE  
(ΔΔ)

- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
  - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
  - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “\*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
  - 4. LEADS MUST BE NUMBERED AND COLORED AS SHOWN
  - 5. DIAGRAMS FOR REFERENCE ONLY



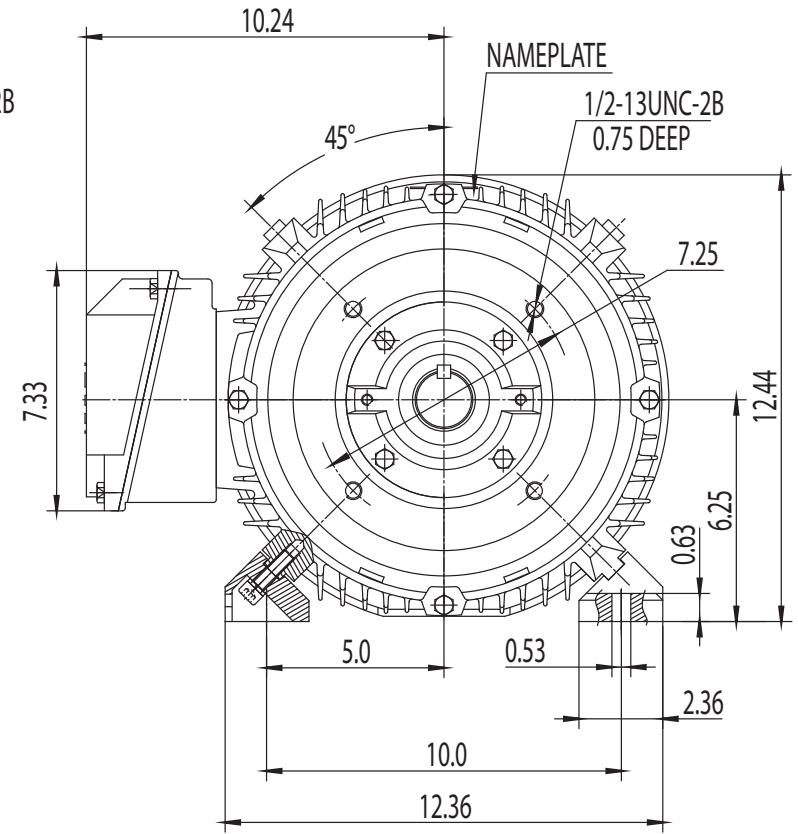
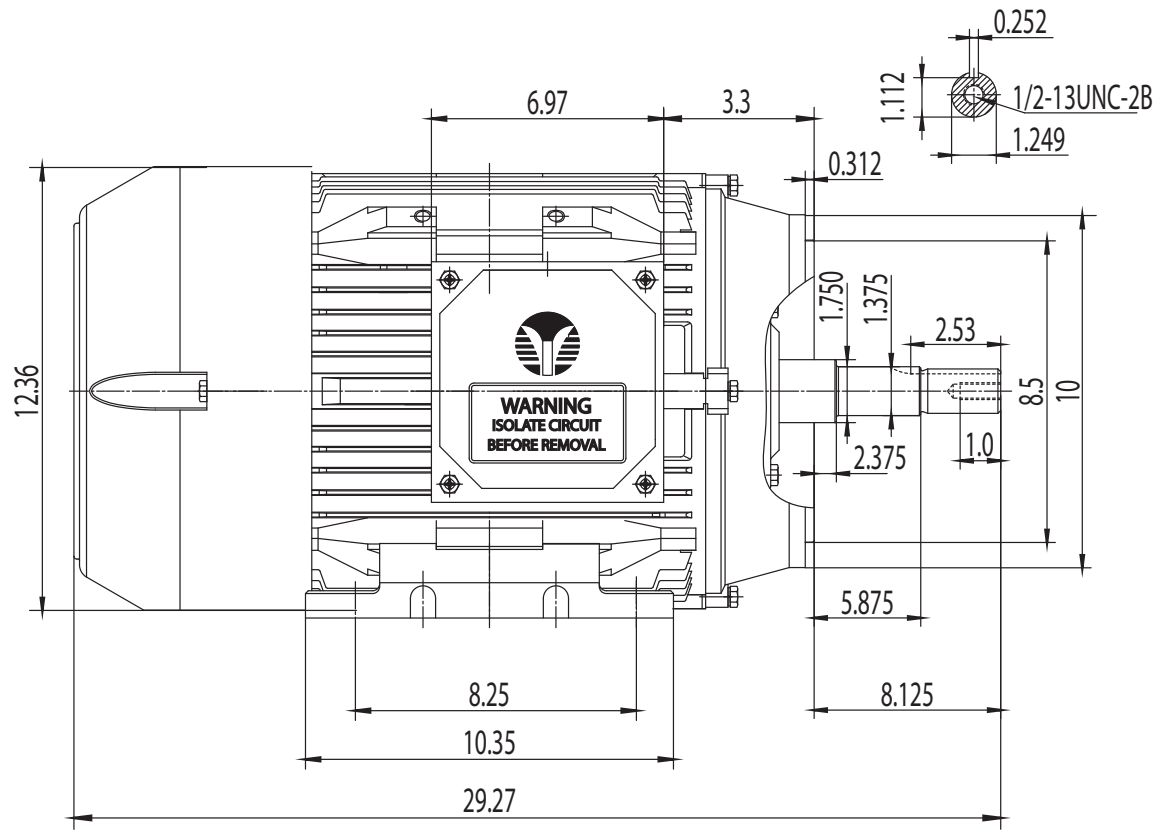
NEMA 3Ø DD/D 12-Lead Dual Voltage

|                     |                |                           |          |
|---------------------|----------------|---------------------------|----------|
| DRAWING NUMBER:     | NEMA-3-12-DD-D | ISSUED DATE               | 25/08/25 |
| CONNECTION:         | DD/D           | PREMIUM JM-JP PUMP MOTORS |          |
| NUMBER OF LEADS:    | 12             |                           |          |
| THERMAL PROTECTION: | -              |                           |          |

# NEMA

Model JPC0076DP

MFG PN: T254T 7.5U6B



**NEMA Premium TEFC 254JP**

**DRAWING NUMBER:**

GR3-CI-TF-254JP-CFC

**DIMENSIONS:**

Inches

**MOUNTING:**

Rigid/C-Flange

**CASING MATERIAL:**

Cast Iron

**ISSUED DATE**

25/08/25

PREMIUM JM-JP PUMP MOTORS