

**NEMA**

**Model DPA0014D**  
MFG PN: TDA145T1.5U4B

# Model DPA0014D

## Product Data Package



| MODEL    | HP  | RPM  | VOLTAGE | PHASE | Hz | FRAME | MOUNT | ENCLOSURE |
|----------|-----|------|---------|-------|----|-------|-------|-----------|
| DPA0014D | 1.5 | 1740 | 230/460 | 3     | 60 | 145T  | Rigid | ODP       |

### Toronto

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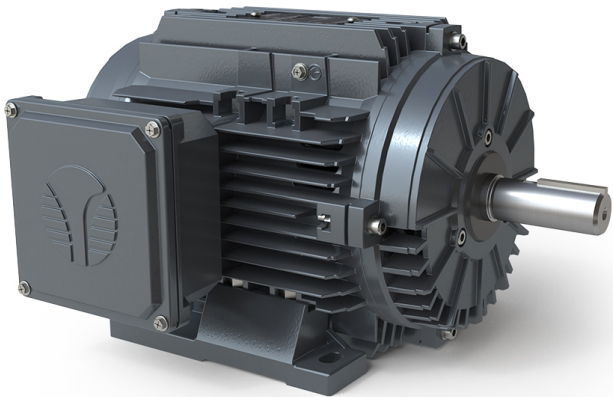
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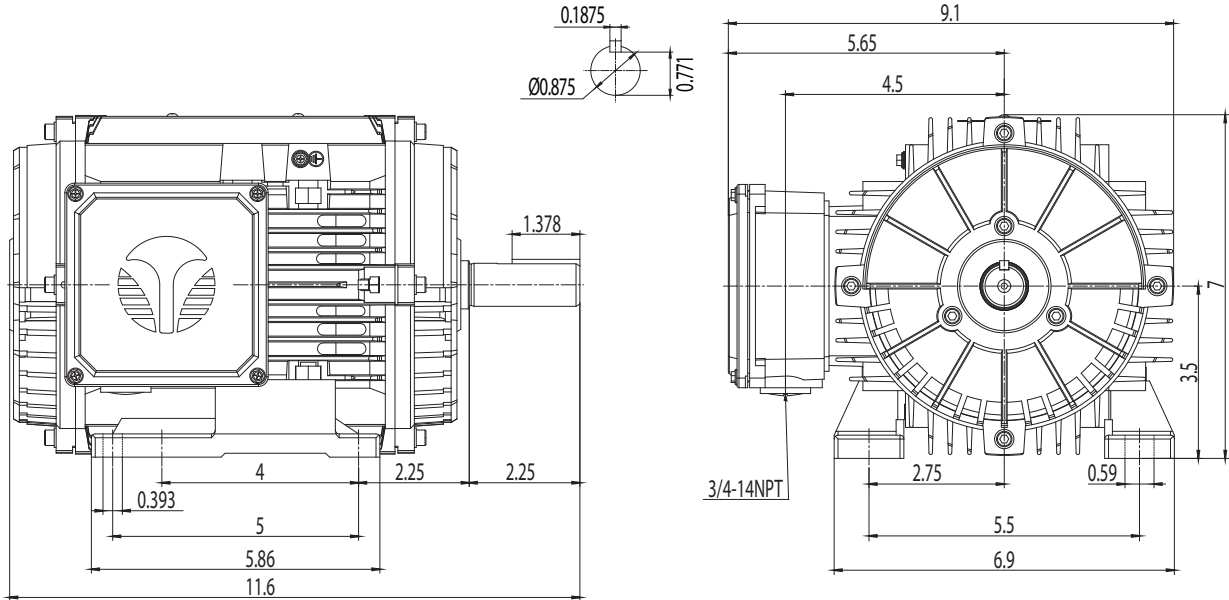
| ELECTRICAL DATA                     |              |                            |
|-------------------------------------|--------------|----------------------------|
| Rated Motor Output Power            | 1.5          | HP                         |
|                                     | 1.1          | kW                         |
| Rated Motor Speed                   | 1740         | r/min 60Hz                 |
|                                     | 1420         | r/min 50Hz                 |
| Rated Motor Voltage (+/-10%)        | 230/460      | V/60Hz                     |
|                                     | 190/380      | V/50Hz                     |
| Rated Motor Current                 | 4.37/2.19    | A (I <sub>n</sub> ) @ 60Hz |
|                                     | 5.10/2.55    | A (I <sub>n</sub> ) @ 50Hz |
| Phase                               | 3            | Ø                          |
| Locked Rotor Current @ High Voltage | -            | A (I <sub>n</sub> ) @ 60Hz |
| FI Current @ 208V                   | 4.84         | A (I <sub>n</sub> ) @ 60Hz |
| Service Factor                      | 1.25         | @ 60Hz                     |
|                                     | 1            | @ 50Hz                     |
| KVA Code                            | K            | 60Hz                       |
|                                     | G            | 50Hz                       |
| Nominal Efficiency                  | 86.5         | % @ 60Hz                   |
| Nominal Power Factor                | 0.73         | cosΦ @ 60Hz                |
| Leads (Qty, Size)                   | 9            | 18                         |
| Connection                          | YY/Y         | -                          |
| Coil Resistance                     | -            | Ω                          |
| Start Capacitor                     | -            | μF/V                       |
| Run Capacitor                       | -            | μF/V                       |
| <b>VFD DUTY (S.F. 1.0)</b>          | <b>RATIO</b> | <b>Hz</b>                  |
| Variable Torque                     | 30:1         | 2 - 60                     |
| Constant Torque                     | 15:1         | 4 - 60                     |
| FULL LOAD TEMPERATURE RISE          |              |                            |
| Full Load Temperature Rise          | -            | °C @ 60Hz                  |
|                                     | -            | °C @ 50Hz                  |

| GENERAL DATA                        |                  |       |
|-------------------------------------|------------------|-------|
| Frame Size                          | 145T             |       |
| Enclosure                           | ODP              |       |
| Mounting                            | Rigid            |       |
| Approximate Weight (lbs.)           | 31.4 lbs.        |       |
| Casing Material / Fan Cover         | Cast Aluminum    | Steel |
| Shaft Material                      | 1045             |       |
| NEMA Design                         | B                |       |
| Degree of Protection (IP)           | 23               |       |
| Insulation Class / Temp Rise (60Hz) | F                | B     |
| Tropicalization                     | YES              |       |
| Duty                                | Cont. / S1       |       |
| Conduit Box Location                | F1               |       |
| Feet Removable / Double Drilled     | YES              | YES   |
| Paintwork                           | 7024             |       |
|                                     | Graphite Gray    |       |
| MECHANICAL DATA                     |                  |       |
| Bearing DE Side                     | 6205 ZZ          |       |
| Bearing ODE Side                    | 6205 ZZ          |       |
| Grease Type                         | Mobil Polyrex EM |       |
| Compensation Ring (wavy washer)     | NDE              |       |
| Moment of Inertia (lb-ft²)          | -                |       |
| Sound Pressure @ 3 FT dBA           | -                |       |
| SITE CONDITIONS                     |                  |       |
| Ambient Temperature (°C)            | 40               |       |
| Meters Above Sea Level (MASL)       | 1000             |       |
| HAZARDOUS LOCATIONS                 |                  |       |
| CSA Certified                       | -                |       |
| Temperature Code                    | -                | -     |

Questions? Call 1.888.286.1820

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| NAMEPLATE DATA             | 60Hz       | 50Hz      |
|----------------------------|------------|-----------|
| Horse Power                | 1.5        | 1.5       |
| RPM                        | 1740       | 1420      |
| Voltage                    | 230/460    | 190/380   |
| Full Load Amps             | 4.37/2.19  | 5.10/2.55 |
| Service Factor             | 1.25       | 1         |
| KVA Code                   | K          | G         |
| Full Load Amps (208V)      | 4.84       | -         |
| Nominal Efficiency         | 86.5       | 83        |
| Nominal Power Factor       | 0.73       | 0.79      |
| Design                     | B          |           |
| Frame                      | 145T       |           |
| Enclosure Type             | ODP        |           |
| IP Rating                  | 23         |           |
| Duty                       | Cont. / S1 |           |
| Insulation Class           | F          |           |
| Ambient Rating             | 40         |           |
| Drive End Bearing          | 6205 ZZ    |           |
| Opposite Drive End Bearing | 6205 ZZ    |           |
| Weight (lbs)               | 31.4       |           |

**NAMEPLATE LAYOUT**

**TECHTOP** INDUSTRIAL THREE PHASE MOTOR  
 INVERTER DUTY 15:1 CT 30:1 VT - 1.0 SF

MODEL  MFG PN

60Hz 50Hz

HP  MFG DATE

RPM  SER #

VOLT  DESIGN

FLA  FRAME

SF  ENCL / IP ODP 23

KVA CODE  DUTY

NOM.EFF  INS CL

EFF 75%  AMB

PF  DE

USABLE AT 208V  ODE

**NEMA Premium**

TECHTOPCANADA.COM

WEIGHT  lbs

MADE IN CHINA

CC088A

SP 224653

Energy Verified Only

| VFD DUTY (S.F. 1.0) | RATIO | Hz*    |
|---------------------|-------|--------|
| Variable Torque     | 30:1  | 2 - 60 |
| Constant Torque     | 15:1  | 4 - 60 |

\*For max speed please contact Techtop Canada

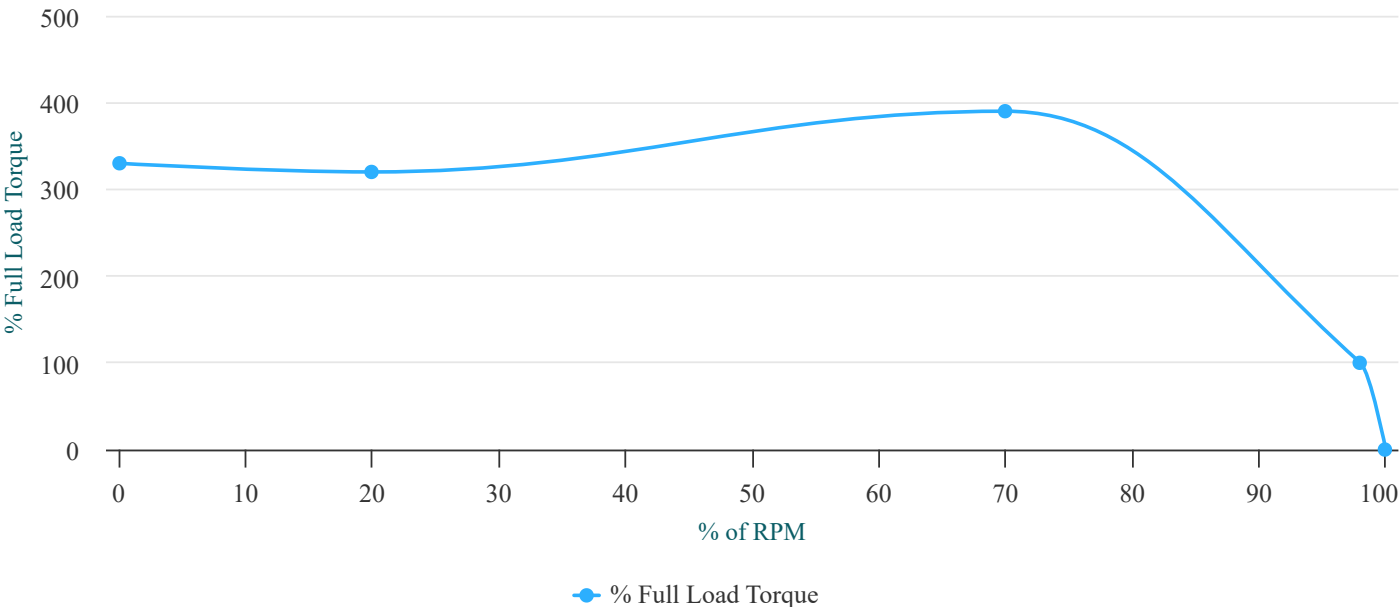
| HAZARDOUS LOCATIONS | - |
|---------------------|---|
| Class / Division    | - |
| Groups              | - |

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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 | 4.5            | 330                  | Start Configuration  | DOL |
| Pull-Up Torque      | 14.5           | 320                  | Starting Current (A) | -   |
| Breakdown Torque    | 17.7           | 390                  | No-Load Current (A)  | -   |
| Full Load Torque    | 14.9           | 100                  | No-Load Power Factor | -   |

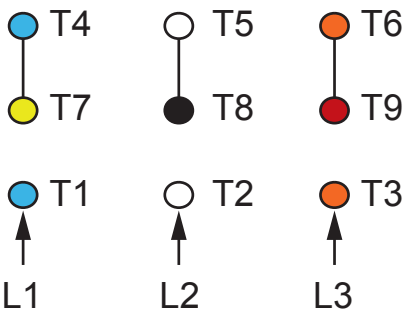
**TYPICAL PERFORMANCE - NOT GUARANTEED VALUES**

| % OF RATED LOAD     | 25 | 50   | 75   | 100  | 125 | S.F. 1.25 |
|---------------------|----|------|------|------|-----|-----------|
| Line Amperes (A)    | -  | -    | -    | -    | -   | -         |
| Efficiency (%)      | -  | 84.5 | 86.5 | 86.5 | -   | -         |
| Speed (r/min)       | -  | -    | -    | -    | -   | -         |
| Power Factor (cosΦ) | -  | 0.5  | 0.64 | 0.73 | -   | -         |
| Input Power (kW)    | -  | -    | -    | -    | -   | -         |

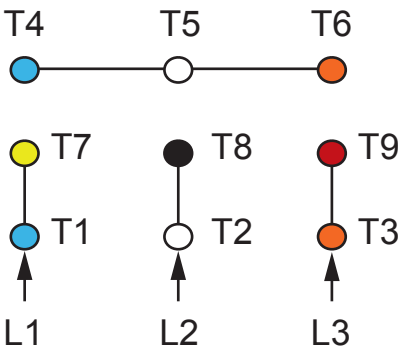
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HIGH VOLTAGE  
(Y)



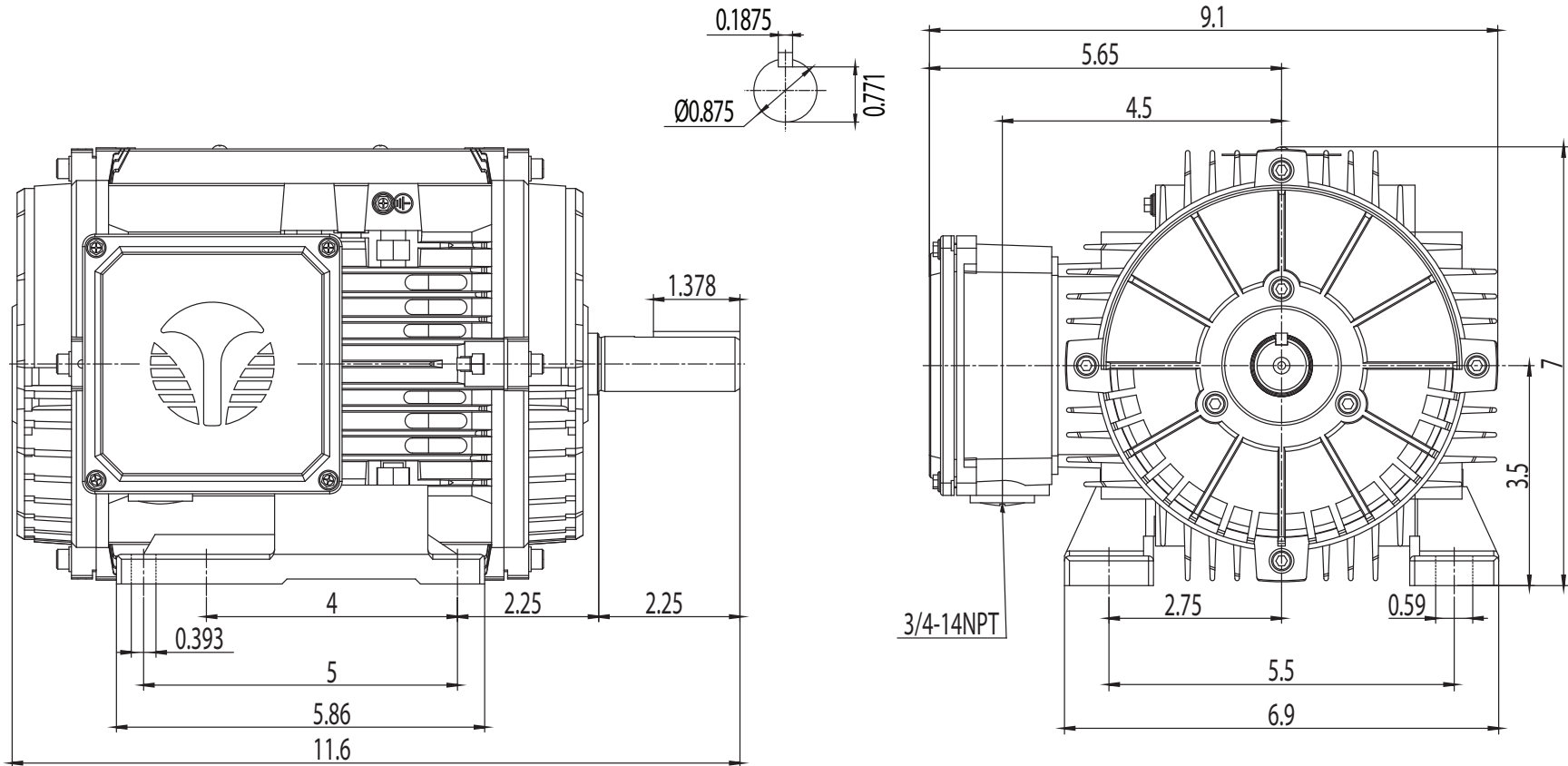
LOW VOLTAGE  
(YY)

- 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 YY/Y 9-Lead Dual Voltage**

|                     |               |                                                  |          |
|---------------------|---------------|--------------------------------------------------|----------|
| DRAWING NUMBER:     | NEMA-3-9-YY-Y | ISSUED DATE                                      | 09/06/25 |
| CONNECTION:         | YY/Y          | PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP |          |
| NUMBER OF LEADS:    | 9             |                                                  |          |
| THERMAL PROTECTION: | -             |                                                  |          |



## NEMA Premium ODP 145T

|                  |                   |                                                  |          |
|------------------|-------------------|--------------------------------------------------|----------|
| DRAWING NUMBER:  | GR3-AL-DP-143(5)T | ISSUED DATE                                      | 09/06/25 |
| DIMENSIONS:      | Inches            |                                                  |          |
| MOUNTING:        | Rigid             | PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP |          |
| CASING MATERIAL: | Cast Aluminum     |                                                  |          |