

NEMA

Model DPA0054D-TC
MFG PN: TDA184T5U4B

Model DPA0054D-TC

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
DPA0054D-TC	5	1750	230/460	3	60	184TC	Rigid/C-Flange	ODP

Toronto

TOLL FREE 1.888.286.1820
PHONE 905.829.1001
EMAIL info@techtopcanada.com

Montreal

TOLL FREE 1.844.354.5111
PHONE 514.354.1002
EMAIL infoQC@techtopcanada.com

Moncton

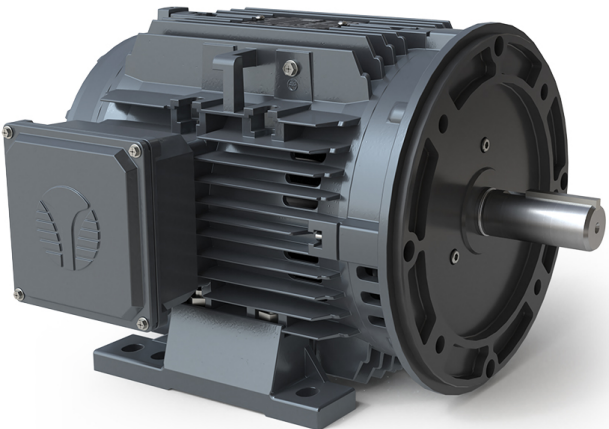
PHONE 506.386.5794
EMAIL infoNB@techtopcanada.com

Winnipeg

PHONE 204.633.2779
EMAIL infoMB@techtopcanada.com

Vancouver

PHONE 604.525.1551
EMAIL infoBC@techtopcanada.com



Index

Motor General Data Sheet	P 2
Nameplate Information	P 3
Technical Performance Data	P 4
Motor General Wiring Diagram	P 5
Motor General Outline Drawing	P 6

NEMA

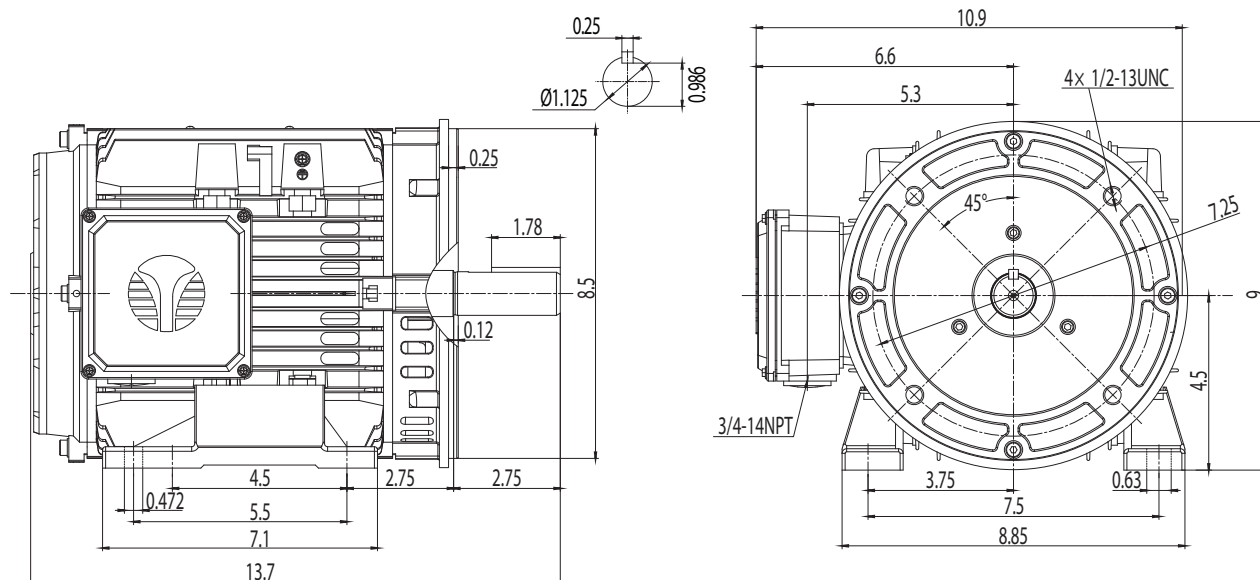
Model DPA0054D-TC
 MFG PN: TDA184T5U4B

ELECTRICAL DATA		
Rated Motor Output Power	5	HP
	3.7	kW
Rated Motor Speed	1750	r/min 60Hz
	1440	r/min 50Hz
Rated Motor Voltage (+/-10%)	230/460	V/60Hz
	190/380	V/50Hz
Rated Motor Current	12.5/6.25	A (I _n) @ 60Hz
	15.4/7.69	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	-	A (I _n) @ 60Hz
FI Current @ 208V	13.8	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	1	@ 50Hz
KVA Code	J	60Hz
	G	50Hz
Nominal Efficiency	89.5	% @ 60Hz
Nominal Power Factor	0.83	cosΦ @ 60Hz
Leads (Qty, Size)	9	16
Connection	YY/Y	-
Coil Resistance	-	Ω
Start Capacitor	-	µF/V
Run Capacitor	-	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
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	184TC	
Enclosure	ODP	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	66.1 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	6306 ZZ	
Bearing ODE Side	6306 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

Model DPA0054D-TC
MFG PN: TDA184T5U4B



NAMEPLATE DATA	60Hz	50Hz
Horse Power	5	5
RPM	1750	1440
Voltage	230/460	190/380
Full Load Amps	12.5/6.25	15.4/7.69
Service Factor	1.25	1
KVA Code	J	G
Full Load Amps (208V)	13.8	-
Nominal Efficiency	89.5	86
Nominal Power Factor	0.83	0.85
Design	B	
Frame	184TC	
Enclosure Type	ODP	
IP Rating	23	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6306 ZZ	
Opposite Drive End Bearing	6306 ZZ	
Weight (lbs)	66.1	

NAMEPLATE LAYOUT

 TECHTOP		INDUSTRIAL THREE PHASE MOTOR INVERTER DUTY 15:1 CT 30:1 VT - 1.0 SF	
MODEL		MFG PN	
	60Hz	MFG DATE	
	50Hz	SER #	
HP		DESIGN	
RPM		FRAME	
VOLT		ENCL / IP	ODP 23
FLA		DUTY	
SF		INS CL	
KVA CODE		AMB	
NOM.EFF		DE	
EFF 75%		ODE	
PF		WEIGHT	lbs
USABLE AT 208V	A		



NEMA Premium®

 TECHTOPCANADA.COM



 CC096A
 US 224693
 Energy Verified Only

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

*For max speed please contact Techtop Canada

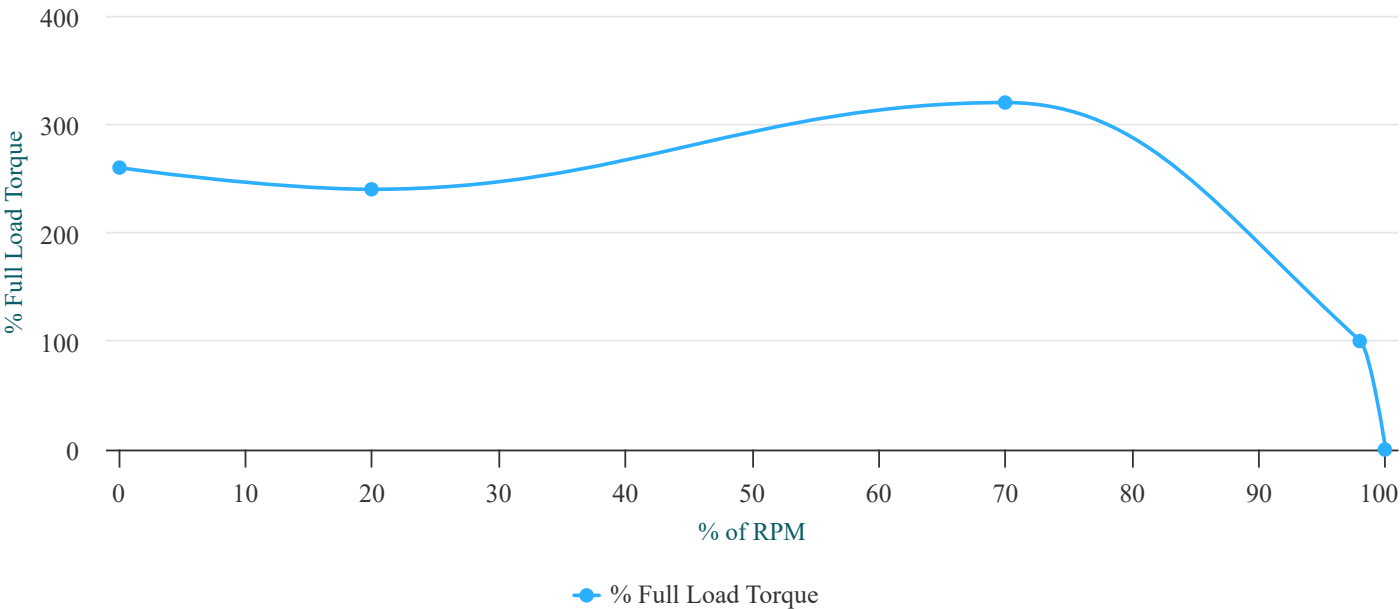
HAZARDOUS LOCATIONS	-
Class / Division	-
Groups	-

Questions? Call 1.888.286.1820



Model DPA0054D-TC
MFG PN: TDA184T5U4B

Torque Speed (T-n) Curve



PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)
Locked Rotor Torque	15	260
Pull-Up Torque	36	240
Breakdown Torque	48	320
Full Load Torque	39	100

TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

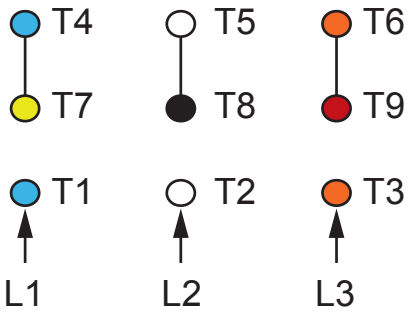
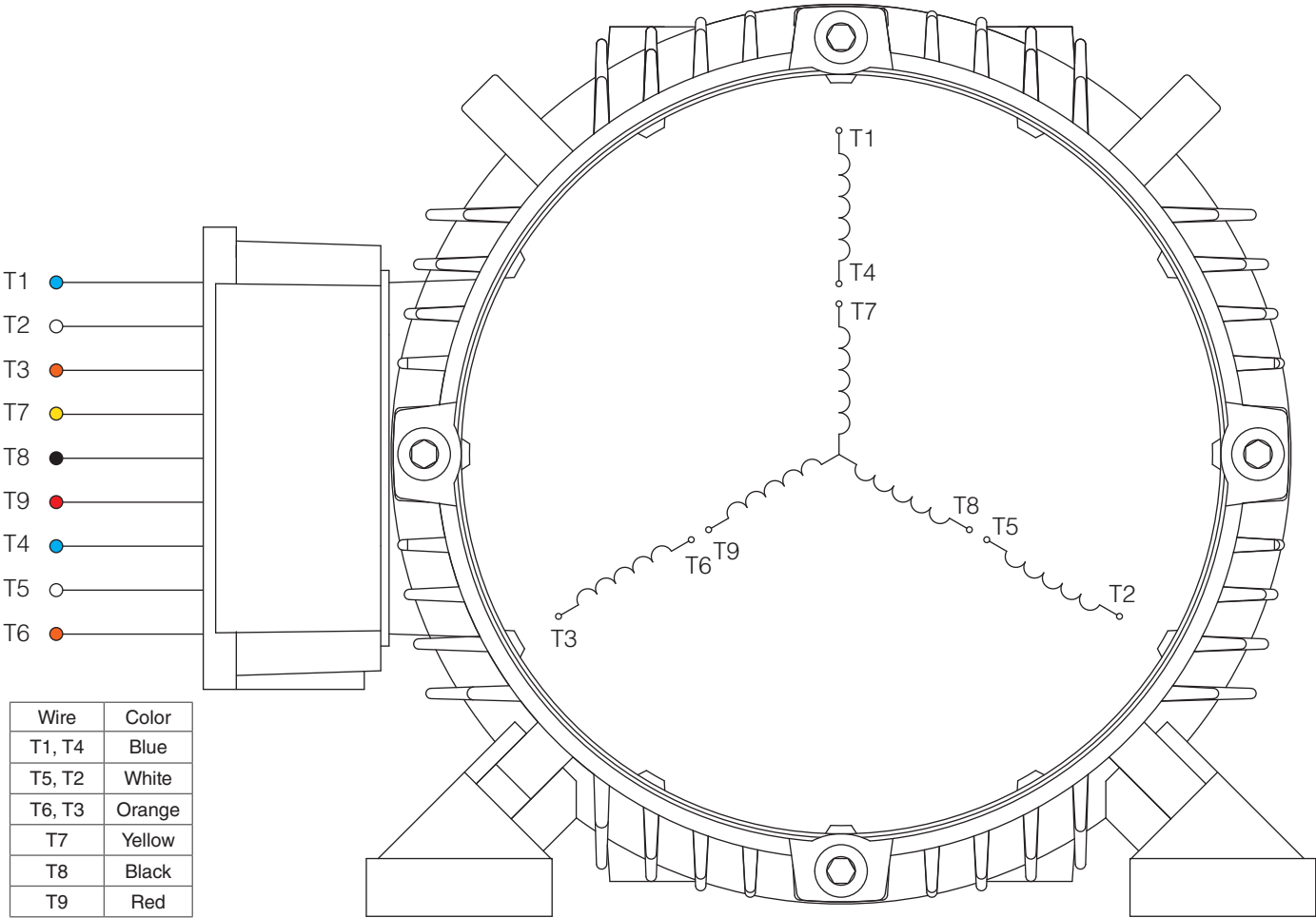
PERFORMANCE VALUES	
Start Configuration	DOL
Starting Current (A)	-
No-Load Current (A)	-
No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	-	-	-	-	-	-
Efficiency (%)	-	89.5	90	89.5	-	-
Speed (r/min)	-	-	-	-	-	-
Power Factor (cosΦ)	-	0.68	0.79	0.83	-	-
Input Power (kW)	-	-	-	-	-	-

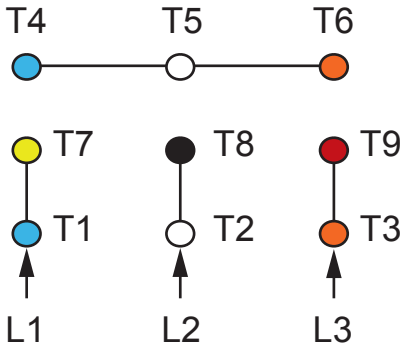
Questions? **Call 1.888.286.1820**



Model **DPA0054D-TC**
MFG PN: TDA184T5U4B



HIGH VOLTAGE
(Y)



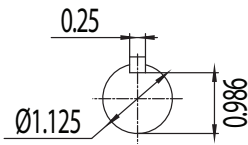
LOW VOLTAGE
(YY)

- 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	16/06/25
CONNECTION:	YY/Y	PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	
NUMBER OF LEADS:	9		
THERMAL PROTECTION:	-		



 TECHTOP <i>You can't top a Techtop.</i>		NEMA Premium ODP 184TC	
DRAWING NUMBER:	GR3-AL-DP-182(4)TC	ISSUED DATE	16/06/25
DIMENSIONS:	Inches	PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	
MOUNTING:	Rigid/C-Flange		
CASING MATERIAL:	Cast Aluminum		