

NEMA

Model DPA0054D
MFG PN: TDA184T5U4B

Model DPA0054D

Product Data Package



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

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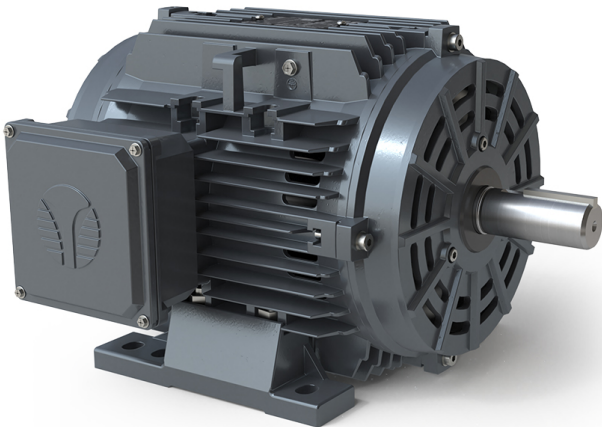
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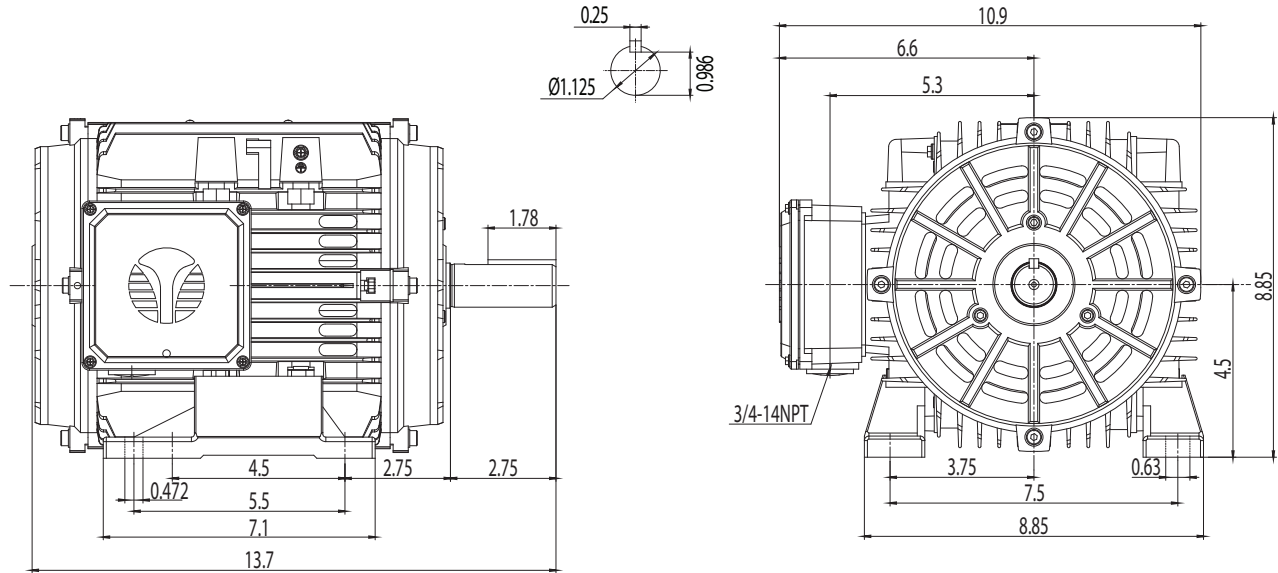
ELECTRICAL DATA		
Rated Motor Output Power	5	HP
	3.7	kW
Rated Motor Speed	1750	r/min 60Hz
	1440	r/min 50Hz
Rated Motor Voltage (+/-10%)	230/460	V/60Hz
	190/380	V/50Hz
Rated Motor Current	12.5/6.25	A (I _n) @ 60Hz
	15.4/7.69	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	-	A (I _n) @ 60Hz
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	184T	
Enclosure	ODP	
Mounting	Rigid	
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	-	-

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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	184T	
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 50Hz MFG DATE

HP SER #

RPM DESIGN

VOLT FRAME

FLA ENCL / IP ODP 23

SF DUTY

KVA CODE INS CL

NOM.EFF AMB

EFF 75% DE

PF ODE

USABLE AT 208V WEIGHT

NEMA Premium
 TECHTOPCANADA.COM

MADE IN CHINA

VFD DUTY (S.F. 1.0)

Variable Torque
 Constant Torque

RATIO

30:1
 15:1

Hz*

2 - 60
 4 - 60

*For max speed please contact Techtop Canada

HAZARDOUS LOCATIONS

Class / Division
 Groups

-

-

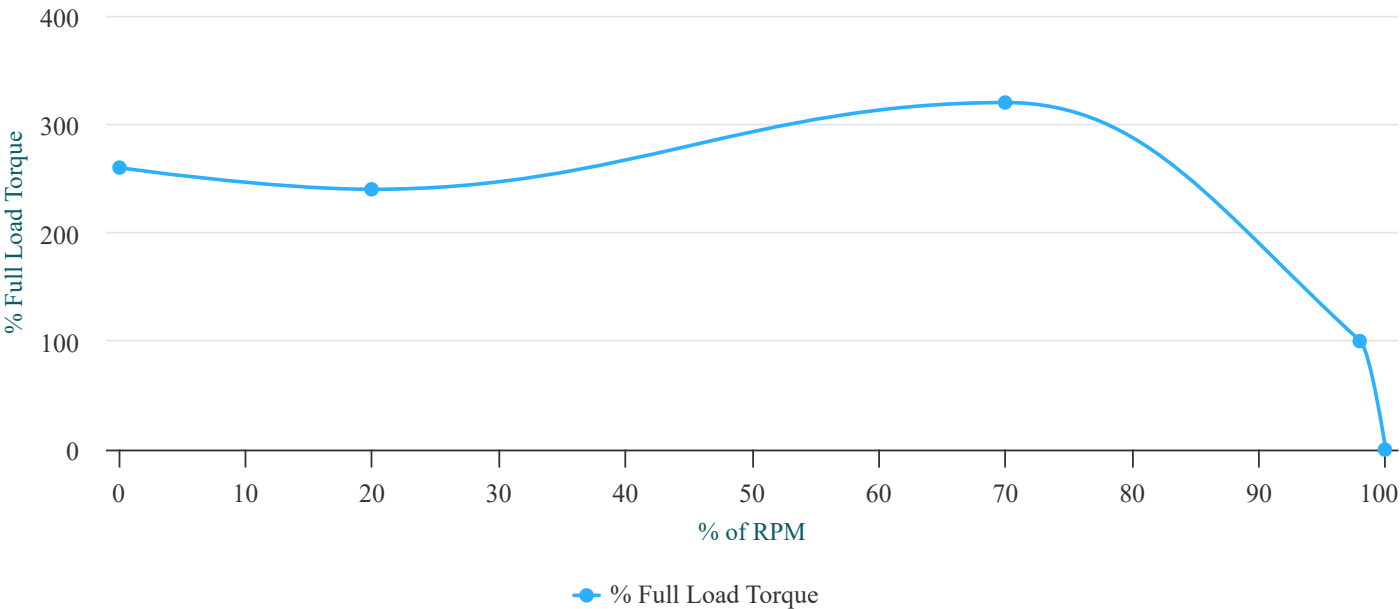
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Torque Speed (T-n) Curve



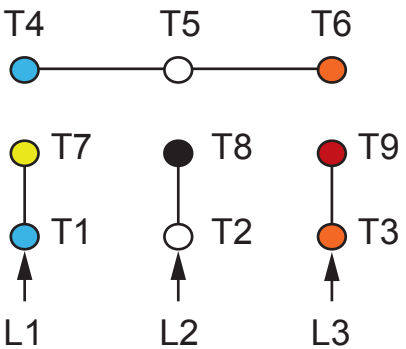
PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	15	260	Start Configuration	DOL
Pull-Up Torque	36	240	Starting Current (A)	-
Breakdown Torque	48	320	No-Load Current (A)	-
Full Load Torque	39	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 (%)	-	89.5	90	89.5	-	-
Speed (r/min)	-	-	-	-	-	-
Power Factor (cosΦ)	-	0.68	0.79	0.83	-	-
Input Power (kW)	-	-	-	-	-	-

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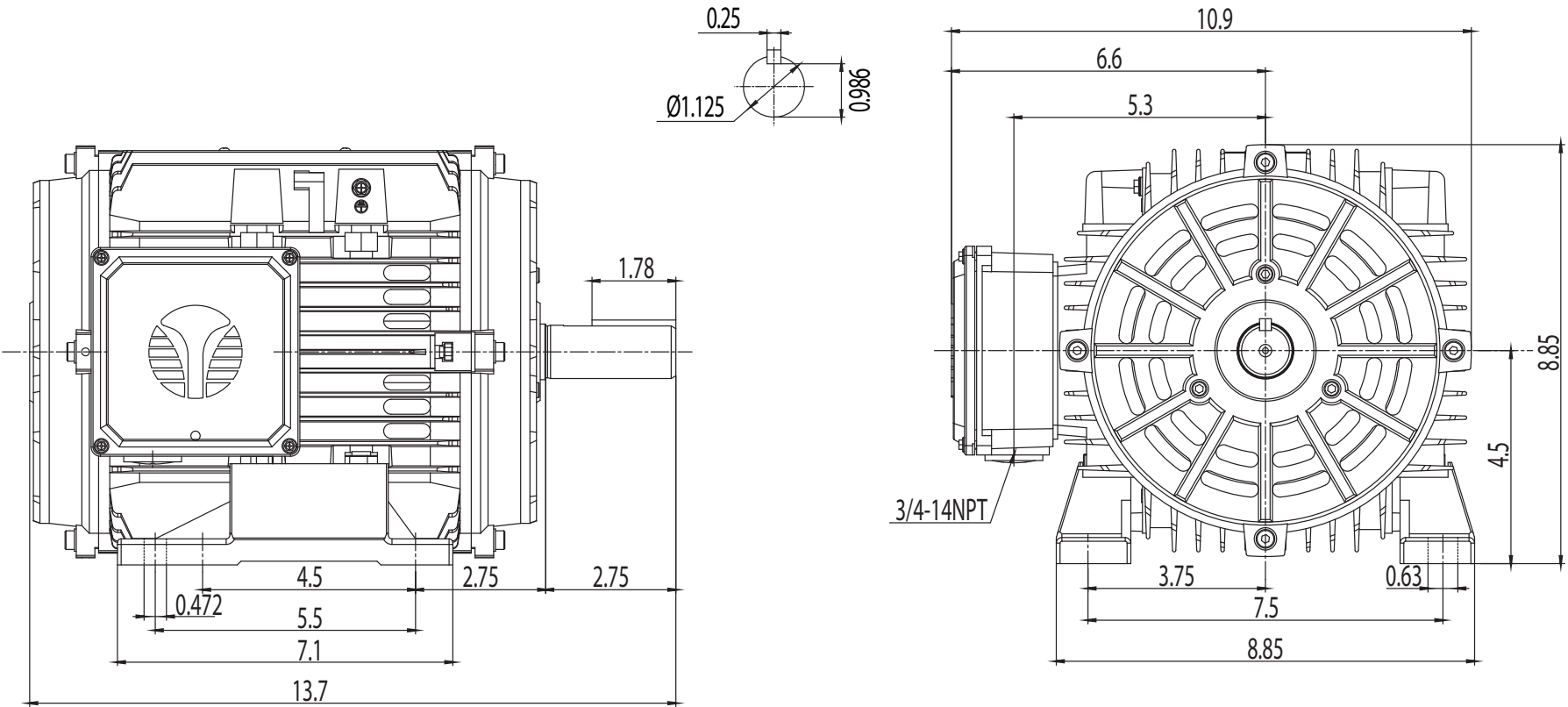
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
 - 4. LEADS MUST BE NUMBERED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



DRAWING NUMBER:	NEMA-3-9-YY-Y
CONNECTION:	YY/Y
NUMBER OF LEADS:	9
THERMAL PROTECTION:	-

NEMA 3Ø YY/Y 9-Lead Dual Voltage

ISSUED DATE	16/06/25
PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	



NEMA Premium ODP 184T

DRAWING NUMBER:	GR3-AL-DP-182(4)T	ISSUED DATE	16/06/25
DIMENSIONS:	Inches	PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	
MOUNTING:	Rigid		
CASING MATERIAL:	Cast Aluminum		