

NEMA

Model DPA0252FS
MFG PN: TDA 256T25U2B

Model DPA0252FS

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
DPA0252FS	25	3540	575	3	60	256T	Rigid	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

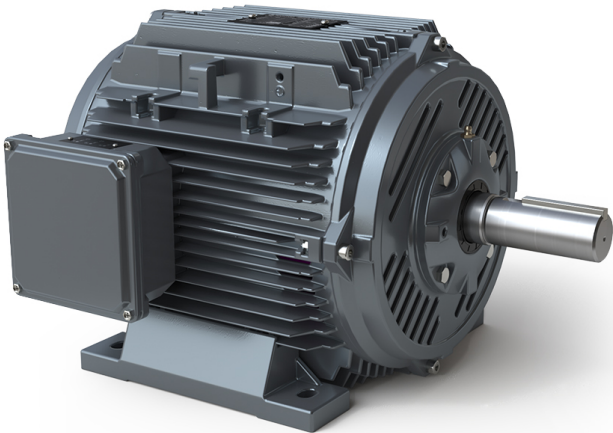
PHONE 506.386.5794
EMAIL infoNB@techtopcanada.com

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



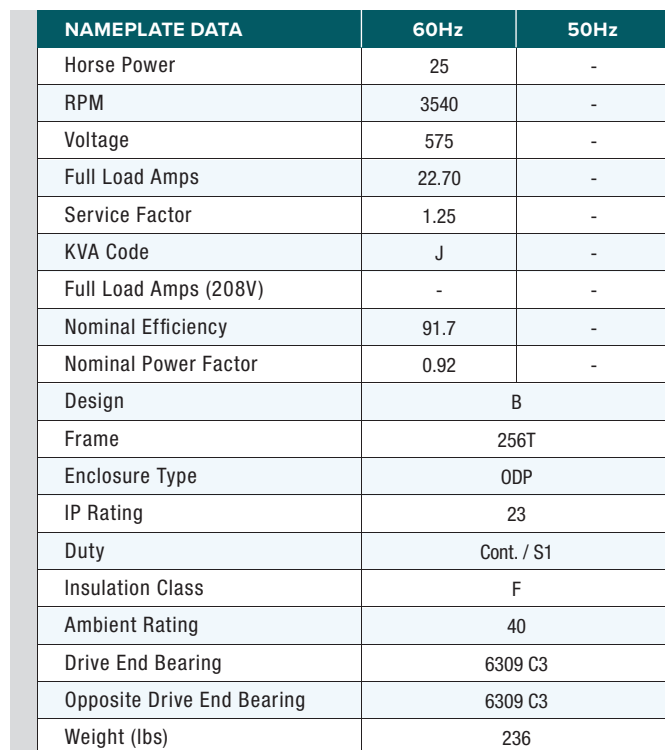
Model DPA0252FS
 MFG PN: TDA 256T25U2B

ELECTRICAL DATA		
Rated Motor Output Power	25	HP
	18.5	kW
Rated Motor Speed	3540	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	22.70	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	217.04	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	J	60Hz
	-	50Hz
Nominal Efficiency	91.7	% @ 60Hz
Nominal Power Factor	0.92	cosΦ @ 60Hz
Leads (Qty, Size)	6	12
Connection	D	-
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	65.9	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	256T	
Enclosure	ODP	
Mounting	Rigid	
Approximate Weight (lbs.)	236 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	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)	-	
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 DPA0252FS
MFG PN: TDA 256T25U2B



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		A	WEIGHT	lbs

NEMA Premium®

 TECHTOPCANADA.COM

 CC098A

 224693

 Energy Efficient Only

MADE IN CHINA

*For max speed please contact Techtop Canada

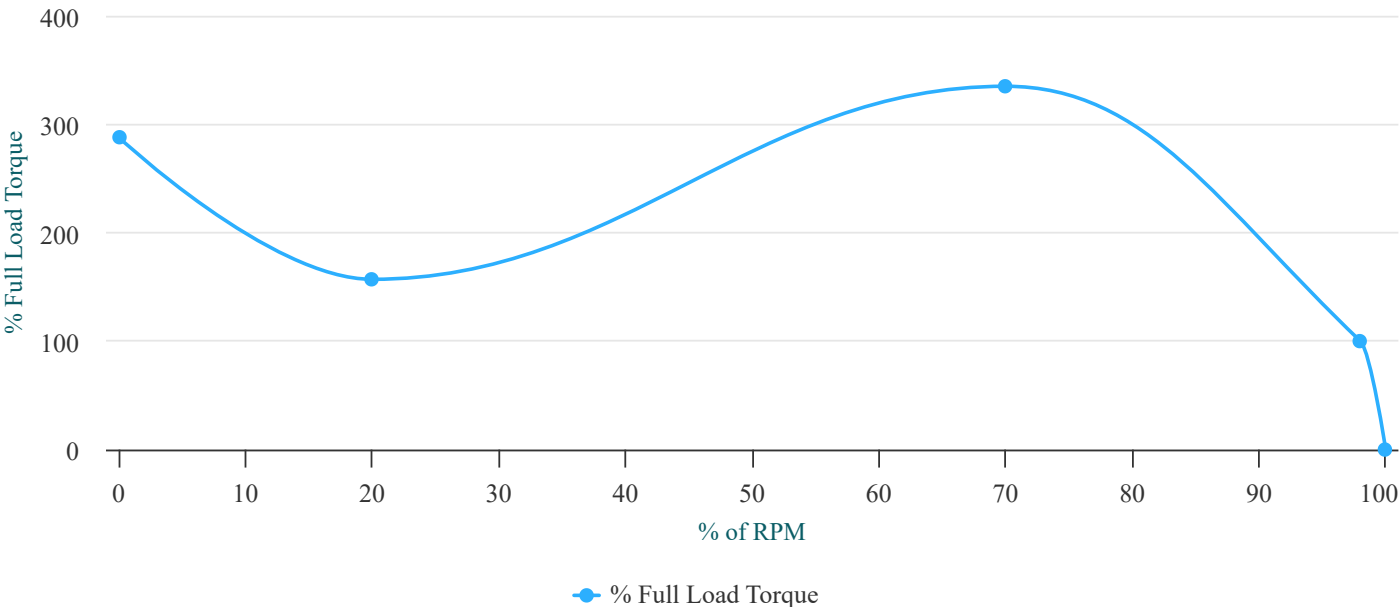
HAZARDOUS LOCATIONS	-
Class / Division	-
Groups	-

3 of 6

NEMA

Model DPA0252FS
MFG PN: TDA 256T25U2B

Torque Speed (T-n) Curve



PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	37.1	288	Start Configuration	DOL
Pull-Up Torque	58.3	157	Starting Current (A)	217.04
Breakdown Torque	124.3	335	No-Load Current (A)	6.3
Full Load Torque	106.9	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)	8.4	12.4	17	22.2	25.5	25.5
Efficiency (%)	88.6	92.3	92.7	92.3	91.8	91.8
Speed (r/min)	3589	3578	3566	3553	3545	3545
Power Factor (cosΦ)	0.63	0.81	0.88	0.91	0.91	0.91
Input Power (kW)	5.22	10.03	14.96	20.04	23.16	23.16

Questions? Call 1.888.286.1820



- 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



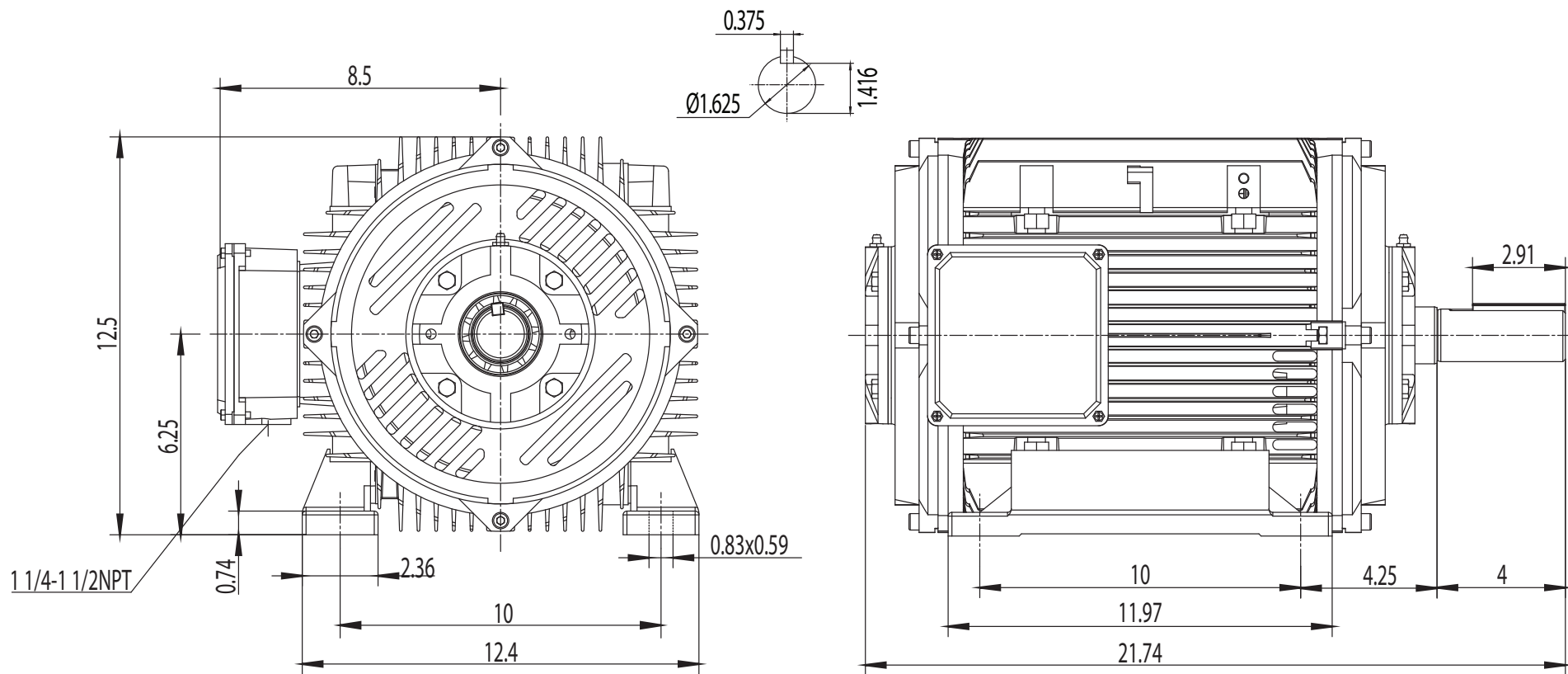
DRAWING NUMBER:	NEMA-3-6-D
CONNECTION:	D
NUMBER OF LEADS:	6
THERMAL PROTECTION:	-

NEMA 3Ø D 6-Lead Single Voltage

ISSUED DATE	20/06/25
PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	



Model **DPA0252FS**
MFG PN: TDA 256T25U2B



NEMA Premium ODP 256T

DRAWING NUMBER:	GR3-AL-DP-256T
DIMENSIONS:	Inches
MOUNTING:	Rigid
CASING MATERIAL:	Cast Aluminum

ISSUED DATE	20/06/25
PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	