

NEMA

Model DPA0254F
MFG PN: TDA 284T25U4B

Model DPA0254F

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
DPA0254F	25	1775	575	3	60	284T	Rigid	ODP

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Moncton

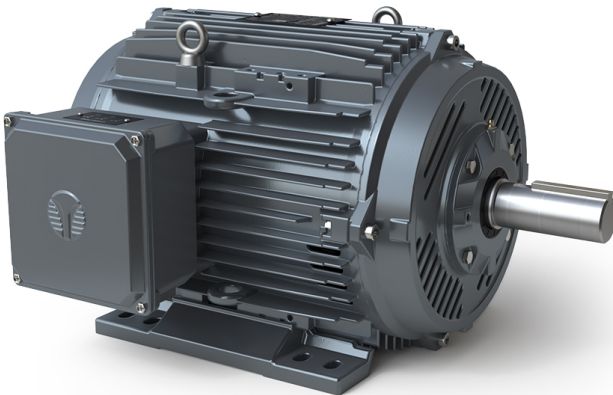
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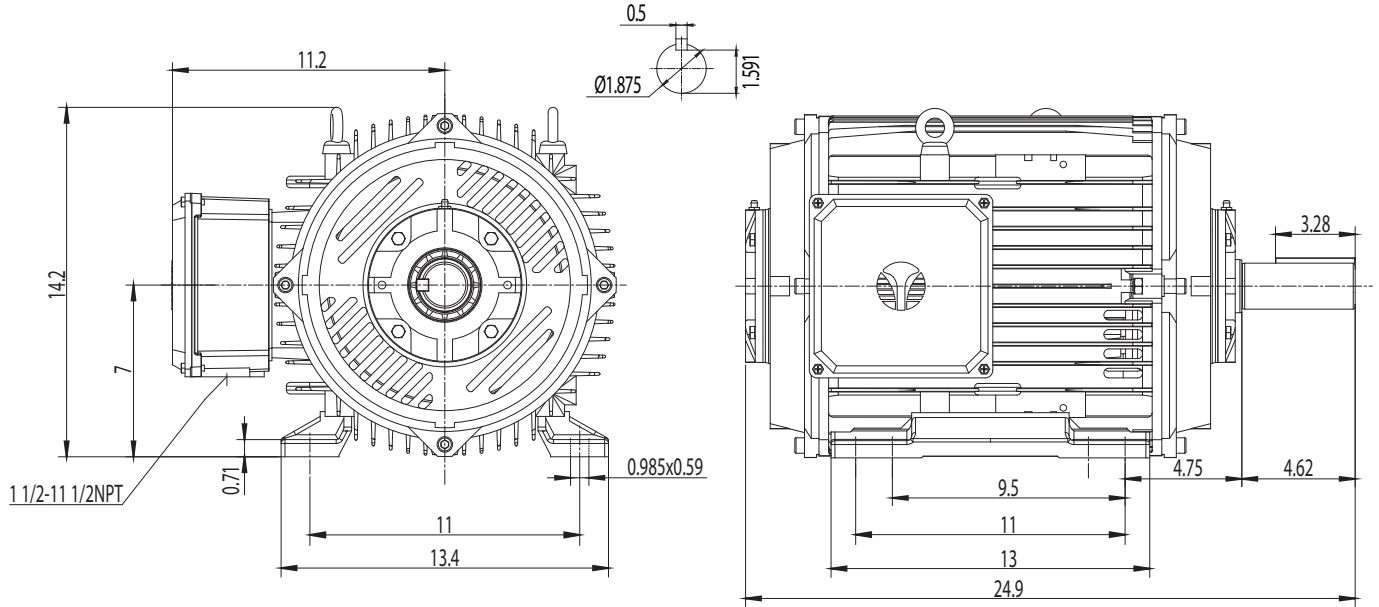
ELECTRICAL DATA		
Rated Motor Output Power	25	HP
	18.5	kW
Rated Motor Speed	1775	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	24.11	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	220.88	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	K	60Hz
	-	50Hz
Nominal Efficiency	93.6	% @ 60Hz
Nominal Power Factor	0.83	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	34	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	284T	
Enclosure	ODP	
Mounting	Rigid	
Approximate Weight (lbs.)	299 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	6311 C3	
Bearing ODE Side	6311 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	-	-

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	25	-
RPM	1775	-
Voltage	575	-
Full Load Amps	24.11	-
Service Factor	1.25	-
KVA Code	K	-
Full Load Amps (208V)	-	-
Nominal Efficiency	93.6	-
Nominal Power Factor	0.83	-
Design	B	
Frame	284T	
Enclosure Type	ODP	
IP Rating	23	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6311 C3	
Opposite Drive End Bearing	6311 C3	
Weight (lbs)	299	

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	lbs

NEMA Premium
 TECHTOPCANADA.COM

MADE IN CHINA

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

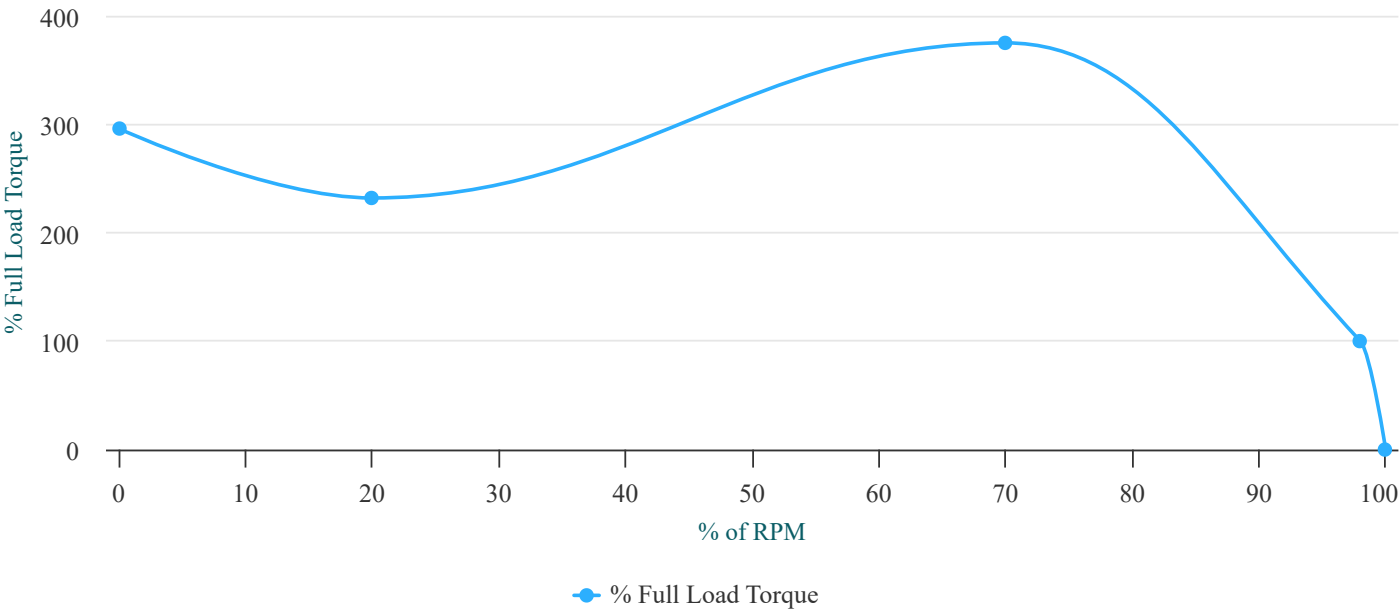
HAZARDOUS LOCATIONS	
Class / Division	-
Groups	-

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Torque Speed (T-n) Curve



PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)
Locked Rotor Torque	74	296
Pull-Up Torque	171.7	232
Breakdown Torque	277.5	375
Full Load Torque	219.1	100

TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

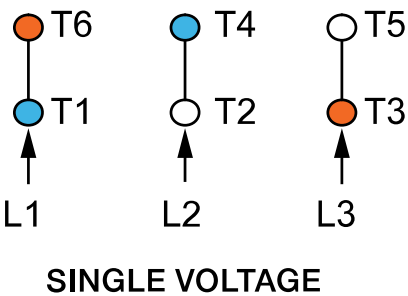
PERFORMANCE VALUES	
Start Configuration	DOL
Starting Current (A)	220.88
No-Load Current (A)	11.6
No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	12.7	15.6	19.5	24	29.1	29.1
Efficiency (%)	87.4	92	93.1	93.2	92.8	92.8
Speed (r/min)	1795	1789	1784	1778	1772	1772
Power Factor (cosΦ)	0.42	0.65	0.77	0.83	0.86	0.86
Input Power (kW)	5.29	10.05	14.9	19.85	24.92	24.92

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- NOTES:
- CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 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
 - LEADS MUST BE NUMBERED AND COLORED AS SHOWN
 - DIAGRAMS FOR REFERENCE ONLY



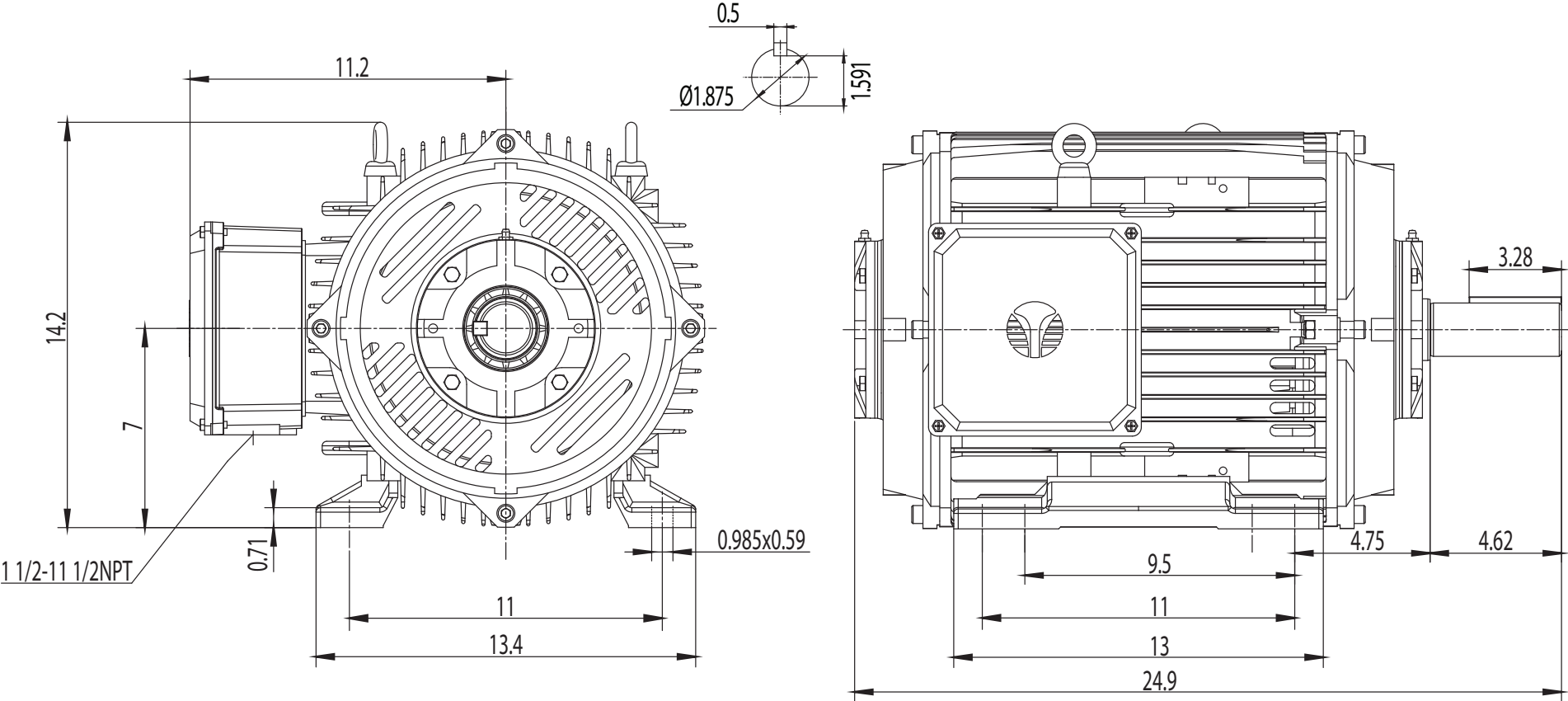
DRAWING NUMBER:	NEMA-3-6-D
CONNECTION:	D
NUMBER OF LEADS:	6
THERMAL PROTECTION:	-

NEMA 3Ø D 6-Lead Single Voltage

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



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NEMA Premium ODP 284T

DRAWING NUMBER:	GR3-AL-DP-284(6)T	ISSUED DATE	20/06/25
DIMENSIONS:	Inches	PREMIUM T-FRAME ALUMINUM & CAST IRON MOTORS, ODP	
MOUNTING:	Rigid		
CASING MATERIAL:	Cast Aluminum		