

NEMA

Model **JPC0202FP**
MFG PN: T256T 20U2B

Model JPC0202FP

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
JPC0202FP	20	3550	575	3	60	256JP	Rigid/C-Flange	TEFC

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

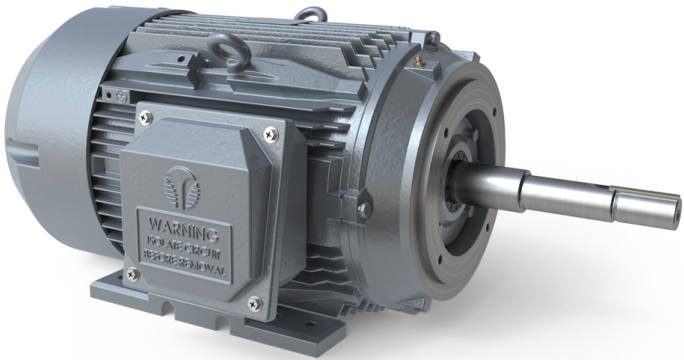
PHONE 204.633.2779
EMAIL infoWEST@techtopcanada.com

Calgary

PHONE 403.313.6363
EMAIL infoWEST@techtopcanada.com

Vancouver

PHONE 604.525.1551
EMAIL infoWEST@techtopcanada.com



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ELECTRICAL DATA		
Rated Motor Output Power	20	HP
	-	kW
Rated Motor Speed	3550	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	18.10	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	149.68	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	% @ 60Hz
Nominal Power Factor	0.91	cosΦ @ 60Hz
Leads (Qty, Size)	6	14
Connection	D	-
Coil Resistance	18	Ω
Start Capacitor	-	µF/V
Run Capacitor	-	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	1000:1	0.06 - 60
Constant Torque	15:1	4 - 60
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	52.2	°C @ 60Hz
	72.2	°C @ 50Hz

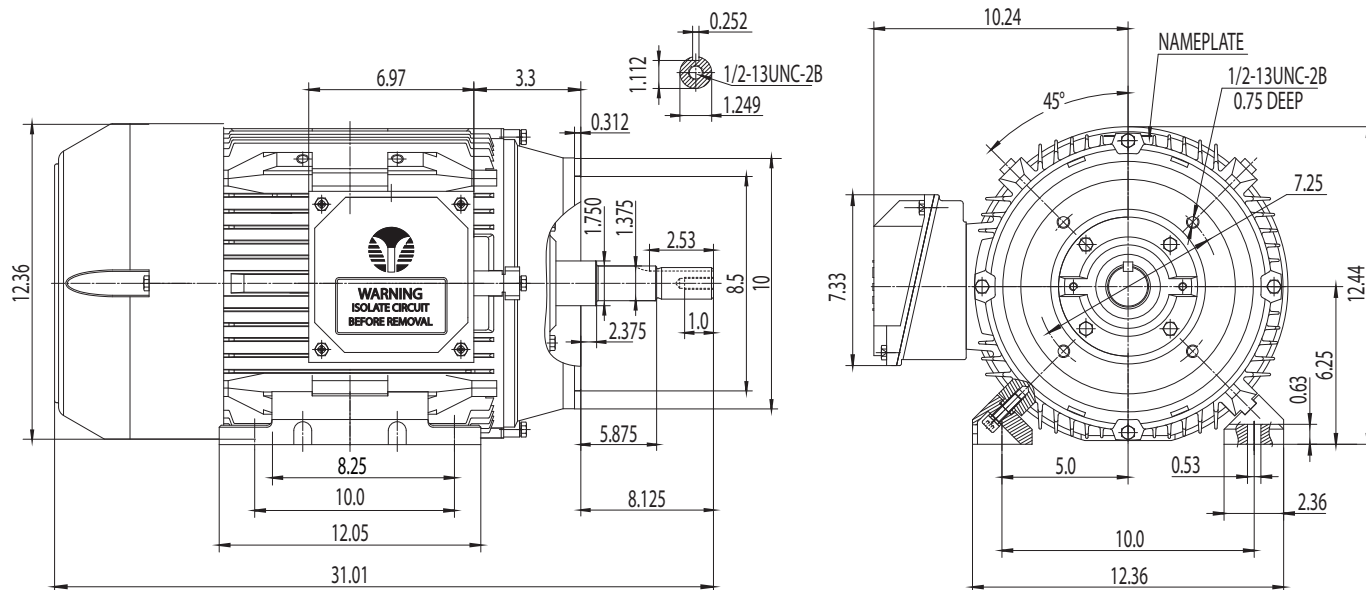
GENERAL DATA		
Frame Size	256JP	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	292.6 lbs.	
Casing Material / Fan Cover	Cast Iron	Cast Iron
Shaft Material	304 SS	
NEMA Design	A	
Degree of Protection (IP)	55	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	YES	
Duty	Cont. / S1	
Conduit Box Location	F1	
Feet Removable / Double Drilled	YES	YES
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6309 C3	
Bearing ODE Side	6309 C3	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft²)	1.33	
Sound Pressure @ 3 FT dBA	85.6	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	A, B, C & D	
Temperature Code	T3	-

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	20	-
RPM	3550	-
Voltage	575	-
Full Load Amps	18.10	-
Service Factor	1.25	-
KVA Code	J	-
Full Load Amps (208V)	-	-
Nominal Efficiency	91	-
Nominal Power Factor	0.91	-
Design	A	
Frame	256JP	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6309 C3	
Opposite Drive End Bearing	6309 C3	
Weight (lbs)	292.6	

NAMEPLATE LAYOUT

TECHTOP		INDUSTRIAL THREE PHASE PUMP MOTOR INVERTER DUTY 1000:1 VT - 1.0 SF	
MODEL			TECHTOPCANADA.COM
	60Hz	50Hz	MFG PN MFG DATE SER # DESIGN FRAME ENCL IP DUTY INS CL AMB WEIGHT
	HP		
	RPM		
	VOLT		
	FLA		
	SF		
	KVA CODE		
	NOM.EFF		
BEARING SIZE			 CC098A
DE		ODE	
GREASE: MOBIL POLYREX EM			
MADE IN CHINA		CLASS 1, DIV 2, GROUPS A, B, C AND D	
IEEC 45 MARINE DUTY		IEEC 45 MARINE DUTY	

VFD DUTY (S.F. 1.0)	RATIO	Hz*
Variable Torque	1000:1	0.06 - 60
Constant Torque	15:1	4 - 60

*For max speed please contact Techtop Canada

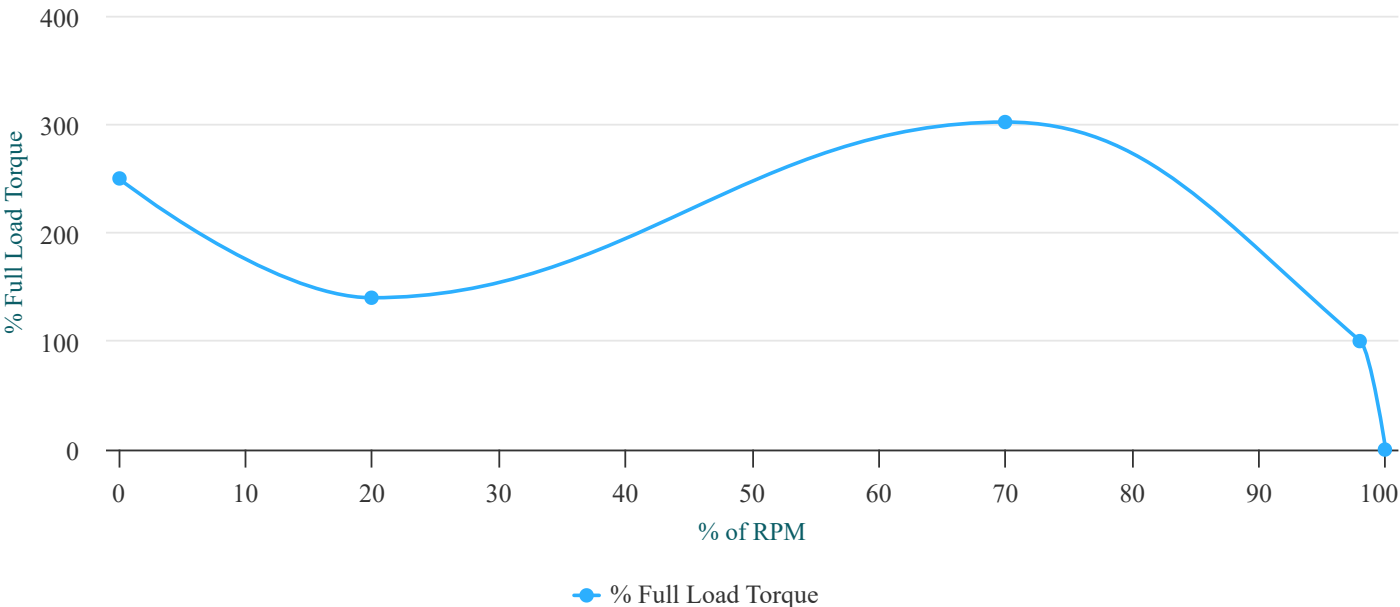
HAZARDOUS LOCATIONS	CSA CERTIFIED
Class / Division	Class I, Div. 2
Groups	A, B, C & D

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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	74	250	Start Configuration	DOL
Pull-Up Torque	41.4	140	Starting Current (A)	149.68
Breakdown Torque	89.4	302	No-Load Current (A)	4.4
Full Load Torque	29.6	100	No-Load Power Factor	0.12

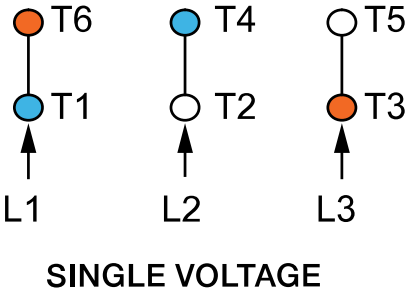
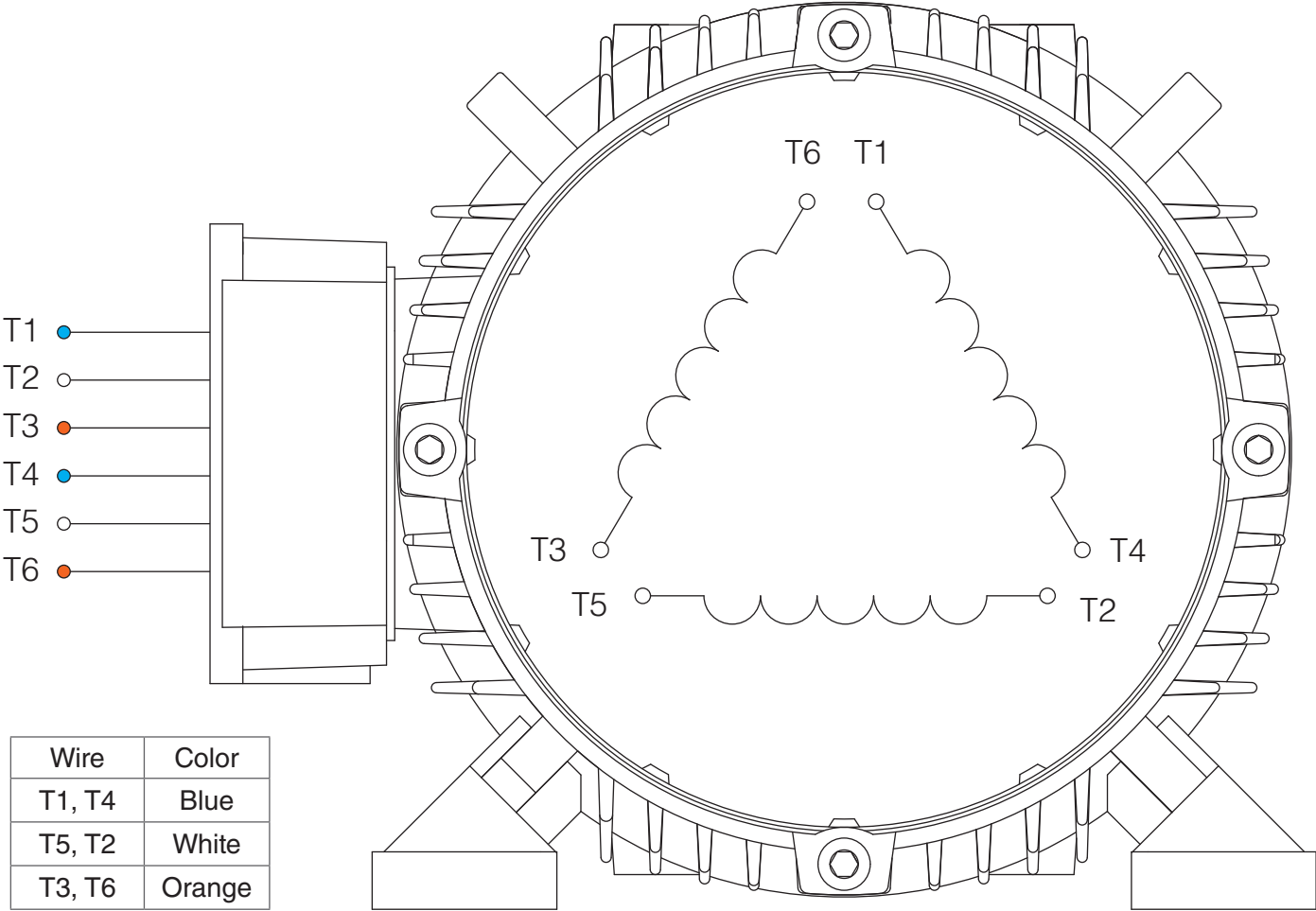
TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	6.2	9.7	13.6	17.9	22.5	22.5
Efficiency (%)	87.0	91.4	92.2	91.9	91.2	91.2
Speed (r/min)	3589.0	3579.0	3567.0	3554.0	3541.0	3541.0
Power Factor (cosΦ)	0.69	0.85	0.90	0.92	0.92	0.92
Input Power (kW)	4.3	8.2	12.2	16.3	20.6	20.6

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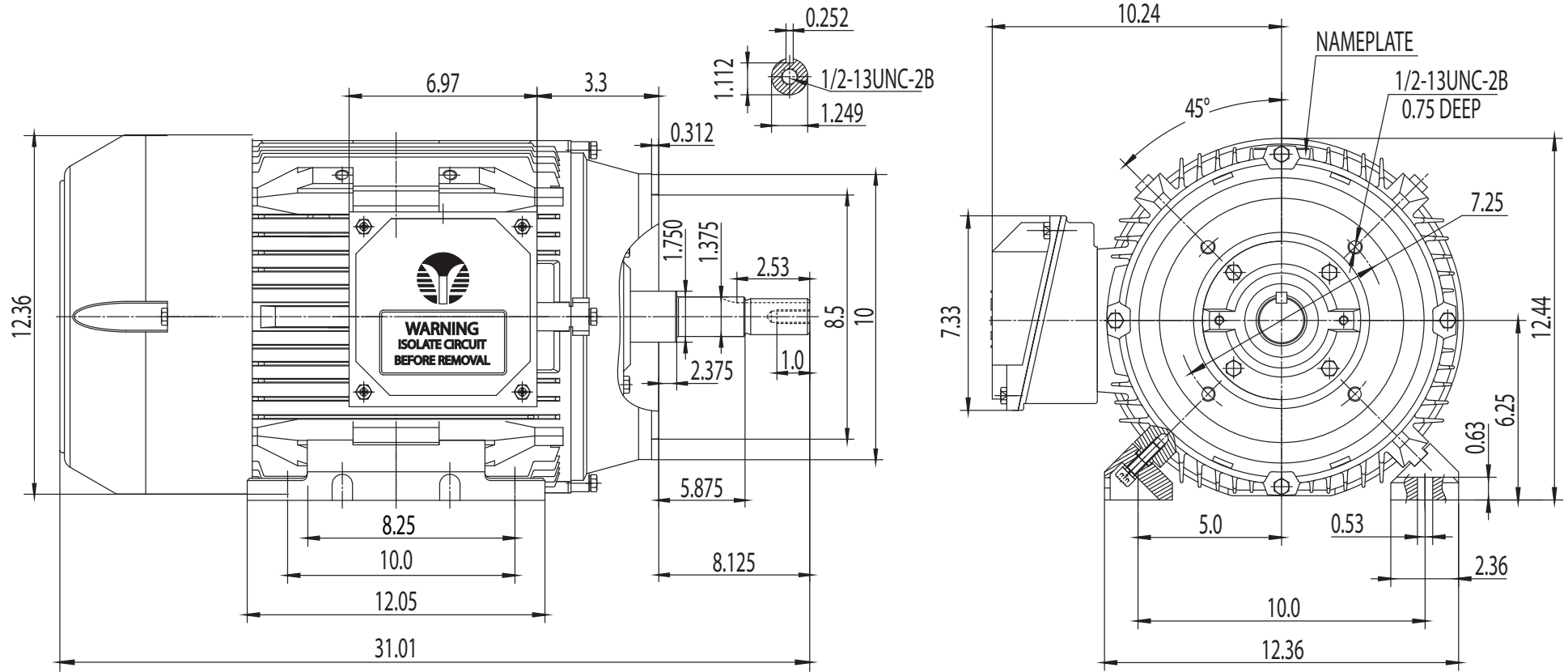
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
 - 4. LEADS MUST BE NUMBERED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



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

NEMA 3Ø D 6-Lead Single Voltage

ISSUED DATE	29/10/25
PREMIUM JM-JP PUMP MOTORS	



NEMA Premium TEFC 256JP

DRAWING NUMBER:

GR3-CI-TF-256JP-CFC

DIMENSIONS:

Inches

MOUNTING:

Rigid/C-Flange

CASING MATERIAL:

Cast Iron

ISSUED DATE

29/10/25

PREMIUM JM-JP PUMP MOTORS