

NEMA

Model JEP0024FP
MFG PN: T56 2U4B

Model JEP0024FP

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
JEP0024FP	2	1740	575	3	60	56HJ	Rigid/C-Flange	TEFC

Toronto

TOLL FREE 1.888.286.1820
PHONE 905.829.1001
EMAIL info@techttopcanada.com

Montreal

TOLL FREE 1.844.354.5111
PHONE 514.354.1002
EMAIL infoQC@techttopcanada.com

Moncton

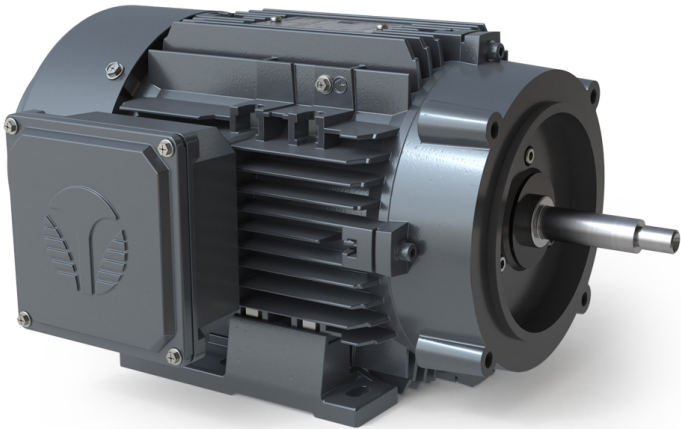
PHONE 506.386.5794
EMAIL infoNB@techttopcanada.com

Winnipeg

PHONE 204.633.2779
EMAIL infoMB@techttopcanada.com

Vancouver

PHONE 604.525.1551
EMAIL infoBC@techttopcanada.com



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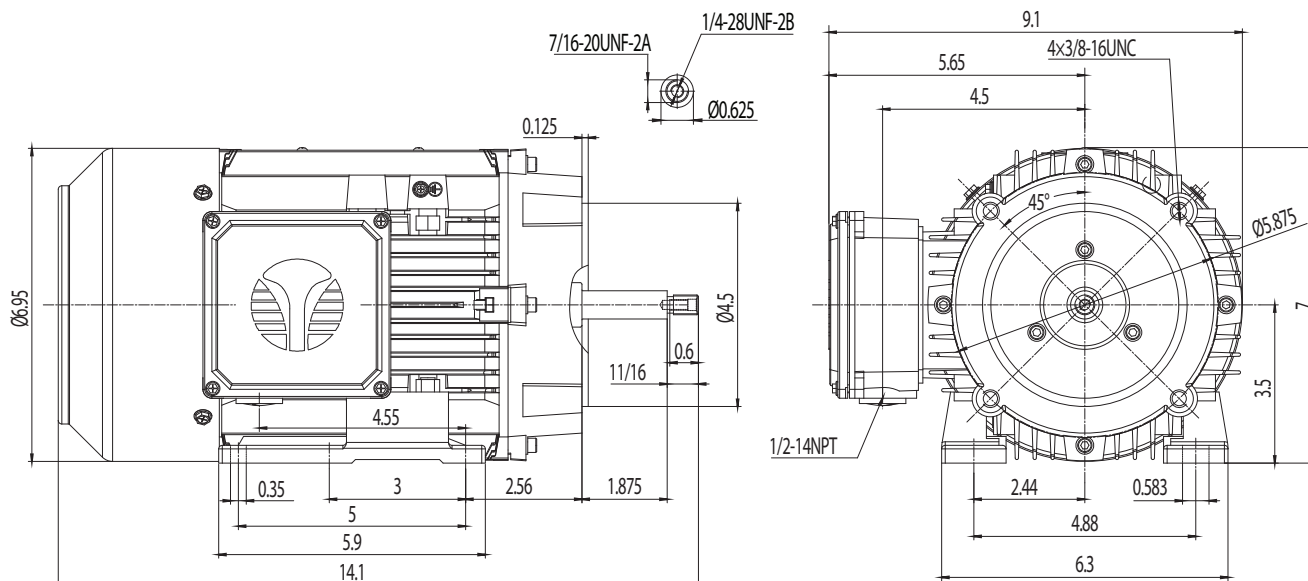
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ELECTRICAL DATA		
Rated Motor Output Power	2	HP
	-	kW
Rated Motor Speed	1740	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	2.29	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	19.2	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	L	60Hz
	-	50Hz
Nominal Efficiency	86.5	% @ 60Hz
Nominal Power Factor	0.76	cosΦ @ 60Hz
Leads (Qty, Size)	3	18
Connection	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	27	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	56HJ	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	39.5 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	304 SS	
NEMA Design	B	
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	6205 2RS	
Bearing ODE Side	6205 2RS	
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	A, B, C & D	
Temperature Code	T2D	-

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	2	2
RPM	1740	-
Voltage	575	-
Full Load Amps	2.29	-
Service Factor	1.25	-
KVA Code	L	-
Full Load Amps (208V)	-	-
Nominal Efficiency	86.5	-
Nominal Power Factor	0.76	-
Design	B	
Frame	56HJ	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6205 2RS	
Opposite Drive End Bearing	6205 2RS	
Weight (lbs)	39.5	

NAMEPLATE LAYOUT

 TECHTOP		THREE PHASE JET PUMP MOTOR INVERTER DUTY 30:1 VT - 1.0 SF	
MODEL		MFG PN	
	208V	MFG DATE	
	230V	SER #	
	240V	DESIGN	
HP		FRAME	
RPM		ENCL / IP	
VOLT		DUTY	
FLA		INS CL	
SF		AMB	
KVA CODE		DE	
NOM.EFF		ODE	
EFF 75%		WEIGHT	lbs
PF			
USABLE			
AT 208V			

CLASS 1, DIV 2, GROUPS A, B, C AND D COMPLIANT



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

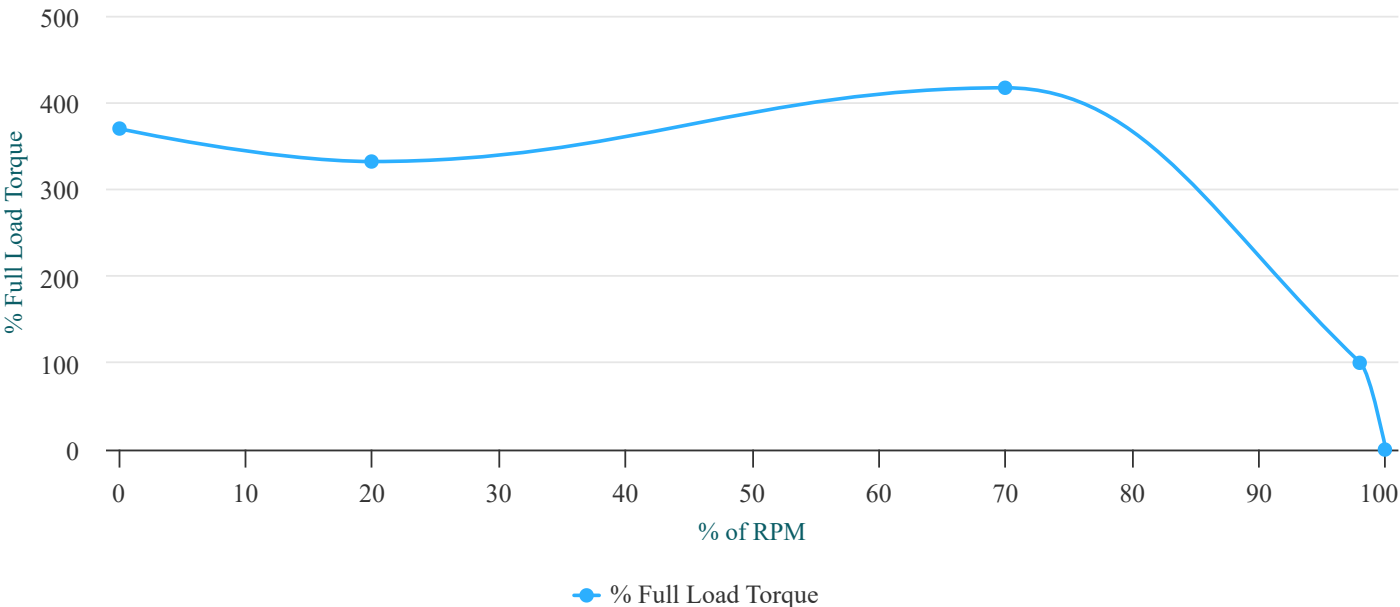
HAZARDOUS LOCATIONS	CSA CERTIFIED
Class / Division	Class I, Division II
Groups	A, B, C & D

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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	6	370	Start Configuration	DOL
Pull-Up Torque	20	332	Starting Current (A)	19.2
Breakdown Torque	25.2	417	No-Load Current (A)	1.3
Full Load Torque	22.3	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)	1.4	1.6	1.9	2.2	2.7	2.7
Efficiency (%)	77.7	85.4	87.2	87.3	86.5	86.5
Speed (r/min)	1787	1774	1760	1744	1728	1728
Power Factor (cosΦ)	0.34	0.55	0.69	0.77	0.82	0.82
Input Power (kW)	0.48	0.88	1.29	1.72	2.17	2.17

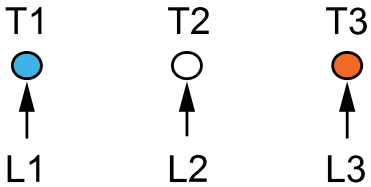
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Wire	Color
T1	Blue
T2	White
T3	Orange



SINGLE VOLTAGE

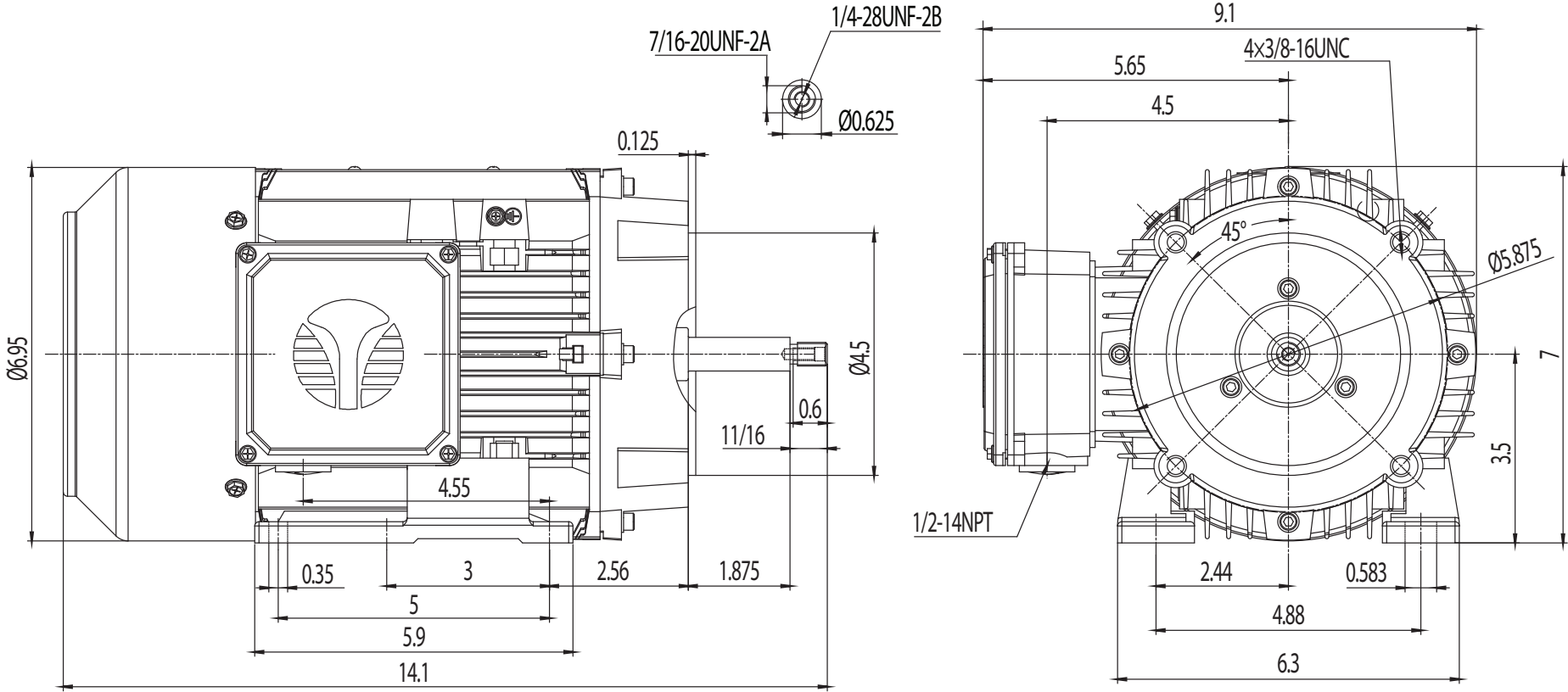
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
 - 4. LEADS MUST BE NUMBERED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



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

NEMA 3Ø Y 3-Lead Single Voltage

ISSUED DATE	04/08/25
PREMIUM 56J JET PUMP MOTORS	



NEMA Premium TEFC 56HJ

DRAWING NUMBER:	GR3-AL-TF-56HJ	ISSUED DATE	04/08/25
DIMENSIONS:	Inches	PREMIUM 56J JET PUMP MOTORS	
MOUNTING:	Rigid/C-Flange		
CASING MATERIAL:	Cast Aluminum		