

NEMA

Model JEP0052FP
MFG PN: T56 5U2B

Model JEP0052FP

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
JEP0052FP	5	3500	575	3	60	L56HJ	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

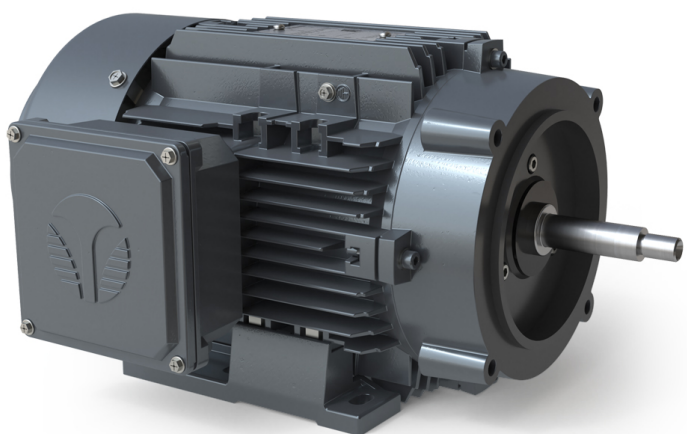
PHONE 506.386.5794
EMAIL infoNB@techttopcanada.com

Winnipeg

PHONE 204.633.2779
EMAIL infoMB@techttopcanada.com

Vancouver

PHONE 604.525.1551
EMAIL infoBC@techttopcanada.com



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

NEMA

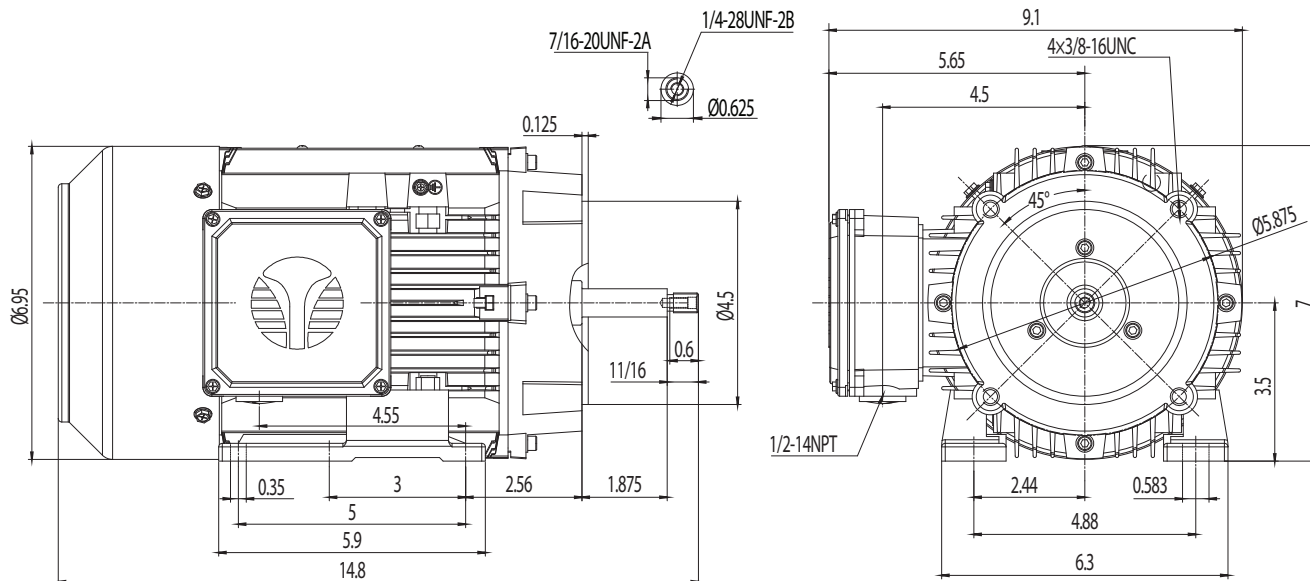
Model JEP0052FP
MFG PN: T56 5U2B

ELECTRICAL DATA		
Rated Motor Output Power	5	HP
	-	kW
Rated Motor Speed	3500	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	4.83	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	48.62	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	L	60Hz
	-	50Hz
Nominal Efficiency	88.5	% @ 60Hz
Nominal Power Factor	0.87	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	48.2	°C @ 60Hz
	-	°C @ 50Hz

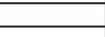
GENERAL DATA		
Frame Size	L56HJ	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	42.6 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	304 SS	
NEMA Design	B	
Degree of Protection (IP)	55	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	YES	
Duty	S2	
Conduit 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	-

Questions? Call 1.888.286.1820

MFG PN: T56 5U2B



NAMEPLATE DATA	60Hz	50Hz
Horse Power	5	5
RPM	3500	-
Voltage	575	-
Full Load Amps	4.83	-
Service Factor	1.25	-
KVA Code	L	-
Full Load Amps (208V)	-	-
Nominal Efficiency	88.5	-
Nominal Power Factor	0.87	-
Design	B	
Frame	L56HJ	
Enclosure Type	TEFC	
IP Rating	55	
Duty	S2	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6205 2RS	
Opposite Drive End Bearing	6205 2RS	
Weight (lbs)	42.6	

TECHTOP		THREE PHASE JET PUMP MOTOR INVERTER DUTY 30:1 VT - 1.0 SF	
MODEL		MFG PN	
	60Hz 50Hz	MFG DATE	
HP		SER #	
RPM		DESIGN	
VOLT		FRAME	
FLA		ENCL / IP	
SF		DUTY	
KVA CODE		INS CL	
NOM.EFF		AMB	
EFF 75%		DE	
PF		ODE	
USABLE AT 208V		WEIGHT	lbs
 NEMA Premium® TECHTOPCANADA.COM		 CO096A IUS E323353 C-UL 224693 Energy Efficient Only	

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

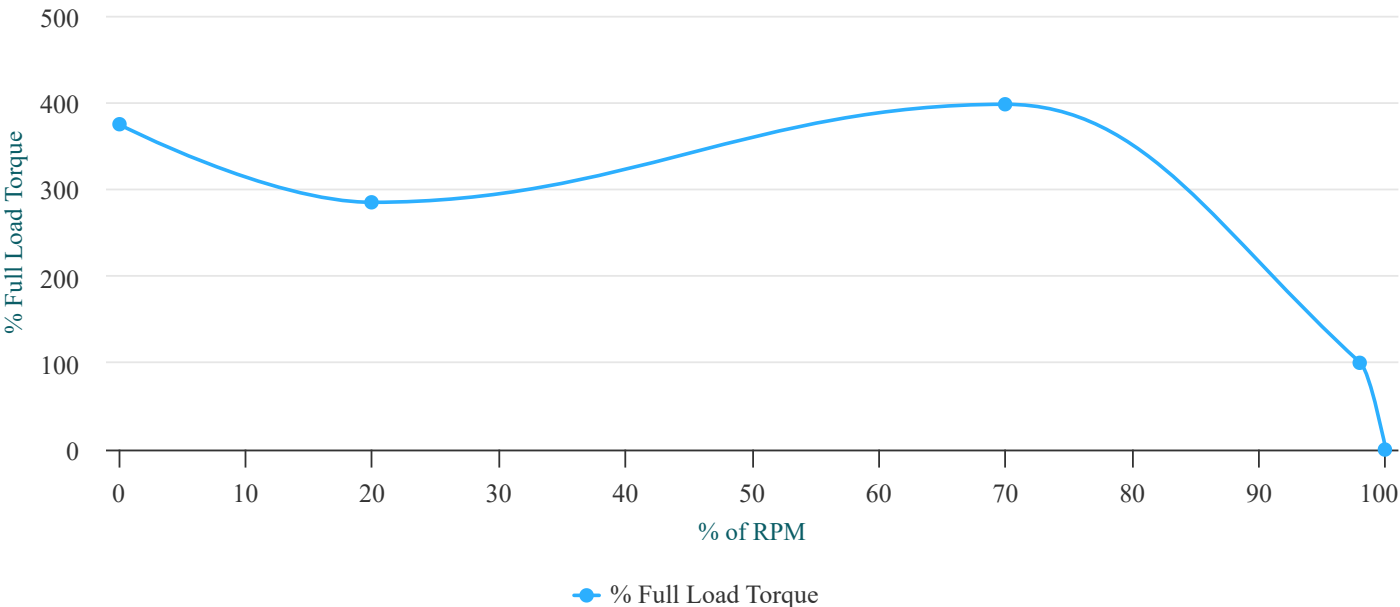
HAZARDOUS LOCATIONS	CSA CERTIFIED
Class / Division	Class I, Division II
Groups	A, B, C & D

Questions? Call 1.888.286.1820

NEMA

Model JEP0052FP
MFG PN: T56 5U2B

Torque Speed (T-n) Curve



PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)
Locked Rotor Torque	7.5	375
Pull-Up Torque	21.4	285
Breakdown Torque	29.9	398
Full Load Torque	28.1	100

TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

PERFORMANCE VALUES
Start Configuration
DOL
Starting Current (A)
48.62
No-Load Current (A)
0
No-Load Power Factor
-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	2.4	3	3.9	4.9	6	6
Efficiency (%)	83.4	88.6	89.4	88.8	87.6	87.6
Speed (r/min)	3577	3556	3533	3508	3480	3480
Power Factor (cosΦ)	0.48	0.71	0.82	0.87	0.9	0.9
Input Power (kW)	1124.7	2115.6	3145.4	4222.1	5353.1	5353.1

Questions? Call 1.888.286.1820



Model JEP0052FP
MFG PN: T56 5U2B



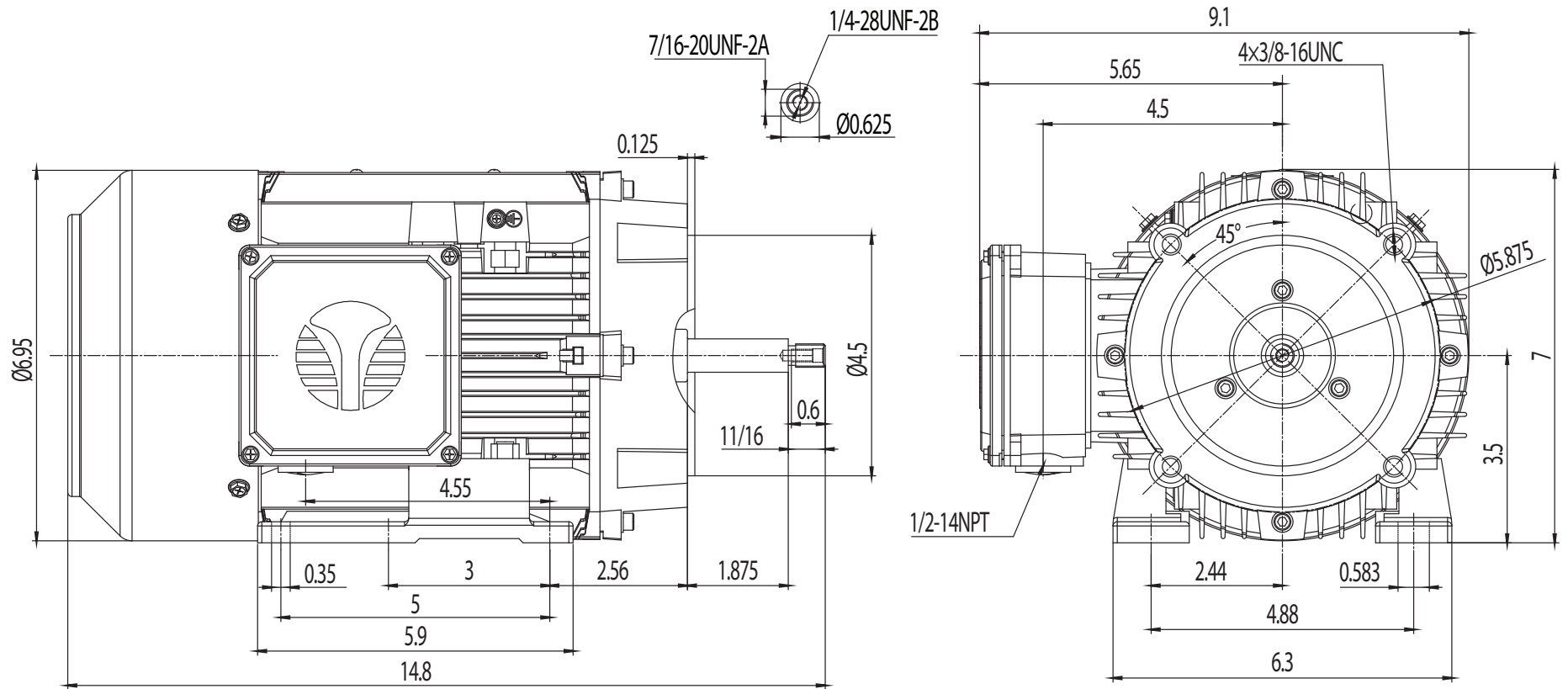
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
 - 4. LEADS MUST BE NUMBERED 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 L56HJ

DRAWING NUMBER:

GR3-AL-TF-L56HJ

DIMENSIONS:

Inches

MOUNTING:

Rigid/C-Flange

CASING MATERIAL:

Cast Aluminum

ISSUED DATE

04/08/25

PREMIUM 56J JET PUMP MOTORS