

NEMA

Model JMC0604DP
MFG PN: T364T 60U4B

Model JMC0604DP

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
JMC0604DP	60	1780	230/460	3	60	364JM	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

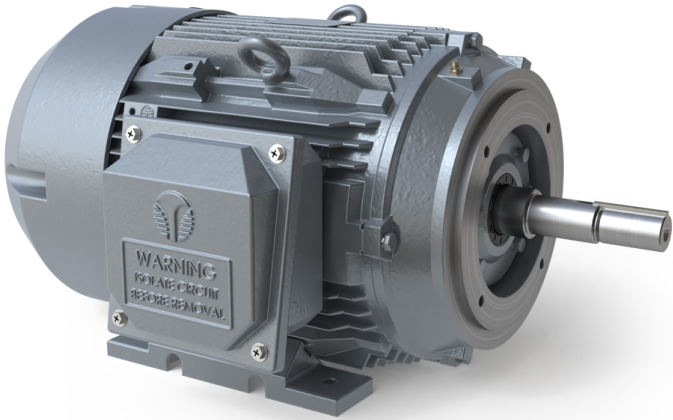
PHONE 204.633.2779
EMAIL infoWEST@techtopcanada.com

Calgary

PHONE 403.313.6363
EMAIL infoWEST@techtopcanada.com

Vancouver

PHONE 604.525.1551
EMAIL infoWEST@techtopcanada.com



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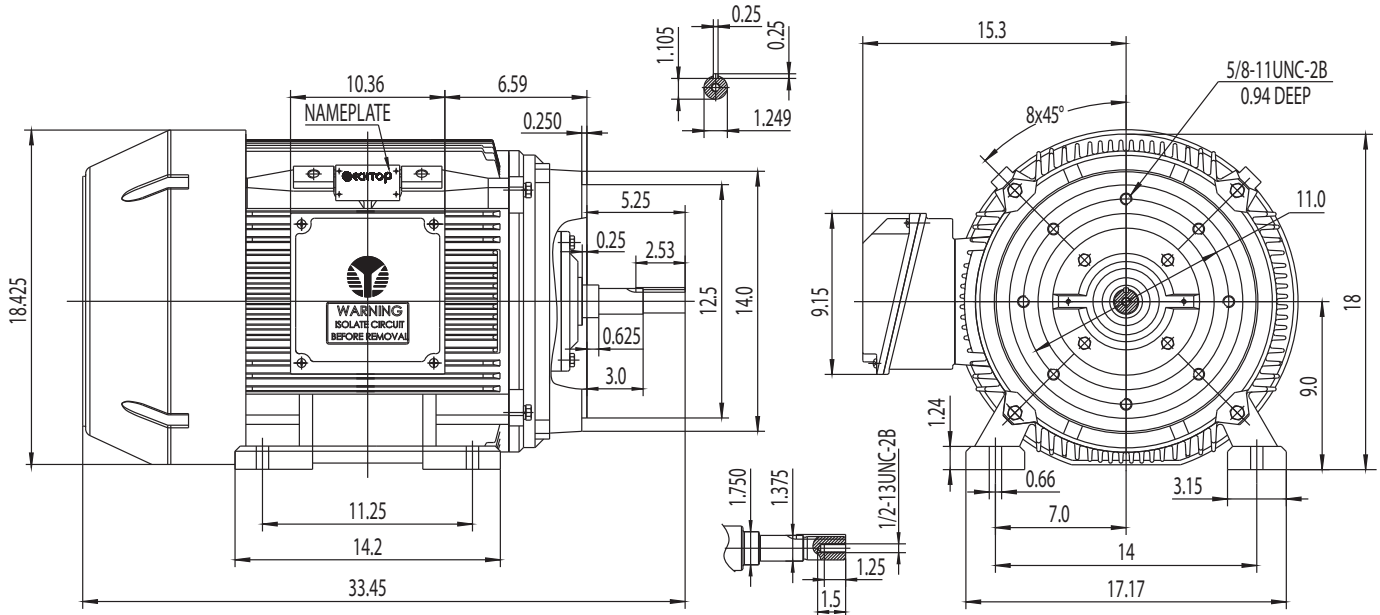
ELECTRICAL DATA		
Rated Motor Output Power	60	HP
	-	kW
Rated Motor Speed	1780	r/min 60Hz
	1470	r/min 50Hz
Rated Motor Voltage (+/-10%)	230/460	V/60Hz
	190/380	V/50Hz
Rated Motor Current	136/68	A (I _n) @ 60Hz
	164/82	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	660.7	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.15	@ 60Hz
	1	@ 50Hz
KVA Code	K	60Hz
	H	50Hz
Nominal Efficiency	95	% @ 60Hz
Nominal Power Factor	0.87	cosΦ @ 60Hz
Leads (Qty, Size)	12	8
Connection	DD/D	-
Coil Resistance	33	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	54.9	°C @ 60Hz
	75.9	°C @ 50Hz

GENERAL DATA		
Frame Size	364JM	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	815.9 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	NO	NO
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6313 C3	
Bearing ODE Side	6313 C3	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft²)	16.19	
Sound Pressure @ 3 FT dBA	85.8	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	A, B, C & D	
Temperature Code	T3A	-

Questions? Call 1.888.286.1820

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	60	60
RPM	1780	1470
Voltage	230/460	190/380
Full Load Amps	136/68	164/82
Service Factor	1.15	1
KVA Code	K	H
Full Load Amps (208V)	-	-
Nominal Efficiency	95	93.7
Nominal Power Factor	0.87	-
Design	A	
Frame	364JM	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6313 C3	
Opposite Drive End Bearing	6313 C3	
Weight (lbs)	815.9	

NAMEPLATE LAYOUT

TECHTOP		INDUSTRIAL THREE PHASE PUMP MOTOR INVERTER DUTY 1000:1 VT - 1.0 SF	
MODEL		TECHTOPCANADA.COM	
NEMA Premium		60Hz	50Hz
HP			
RPM			
VOLT			
FLA			
SF			
KVA CODE			
NOM.EFF			
USABLE AT 208V 60Hz	BEARING SIZE		
FLA	DE	ODE	
	GREASE: MOBIL POLYREX EM		
MADE IN CHINA		CLASS 1, DIV 2, GROUPS A, B, C AND D	
MFG PN		MFG DATE	
SER #		DESIGN	
FRAME		ENCL	
IP		DUTY	
INS CL		AMB	
WEIGHT		lbs	
		IEEE 45 MARINE DUTY	

VFD DUTY (S.F. 1.0)

Variable Torque
Constant Torque

RATIO

1000:1
15:1

Hz*

0.06 - 60
4 - 60

*For max speed please contact Techtop Canada

HAZARDOUS LOCATIONS

Class / Division
Groups

CSA CERTIFIED

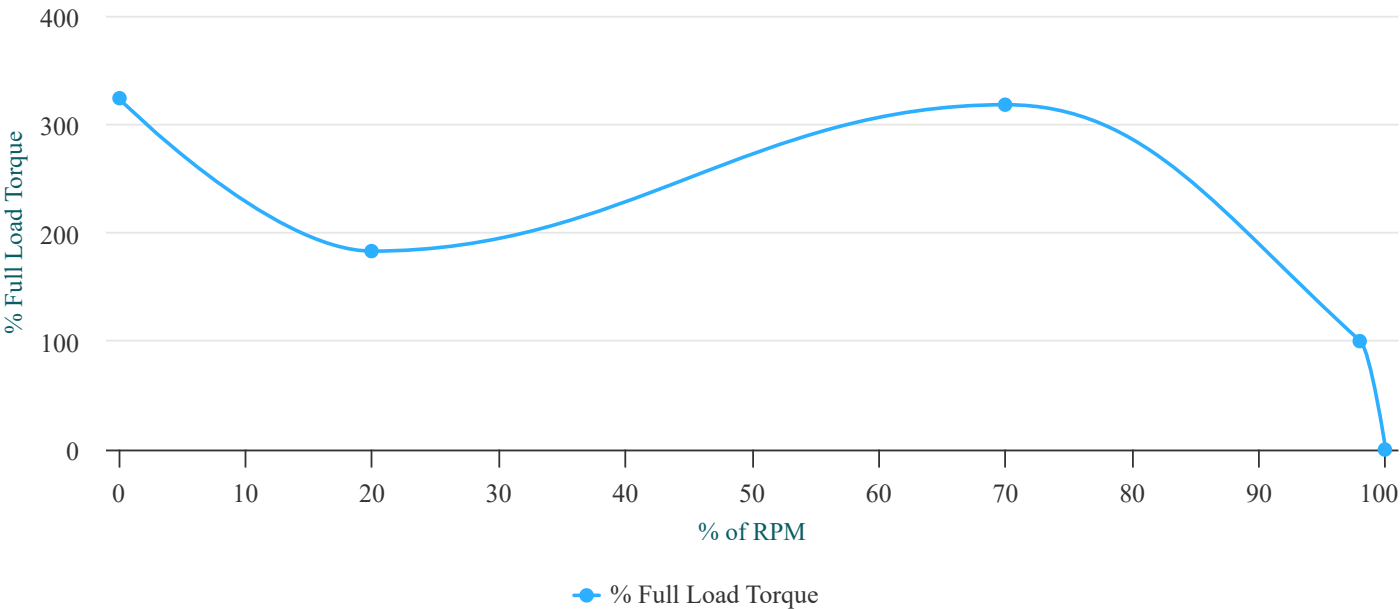
Class I, Div. 2
A, B, C & D

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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	573.6	324	Start Configuration	DOL
Pull-Up Torque	324	183	Starting Current (A)	660.7
Breakdown Torque	563	318	No-Load Current (A)	23.9
Full Load Torque	177	100	No-Load Power Factor	-

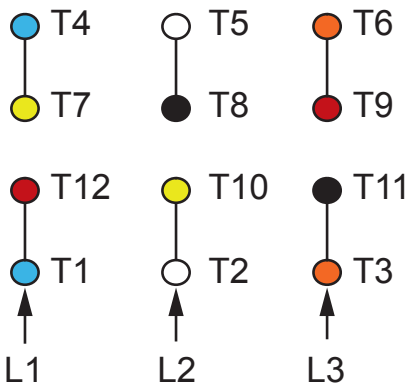
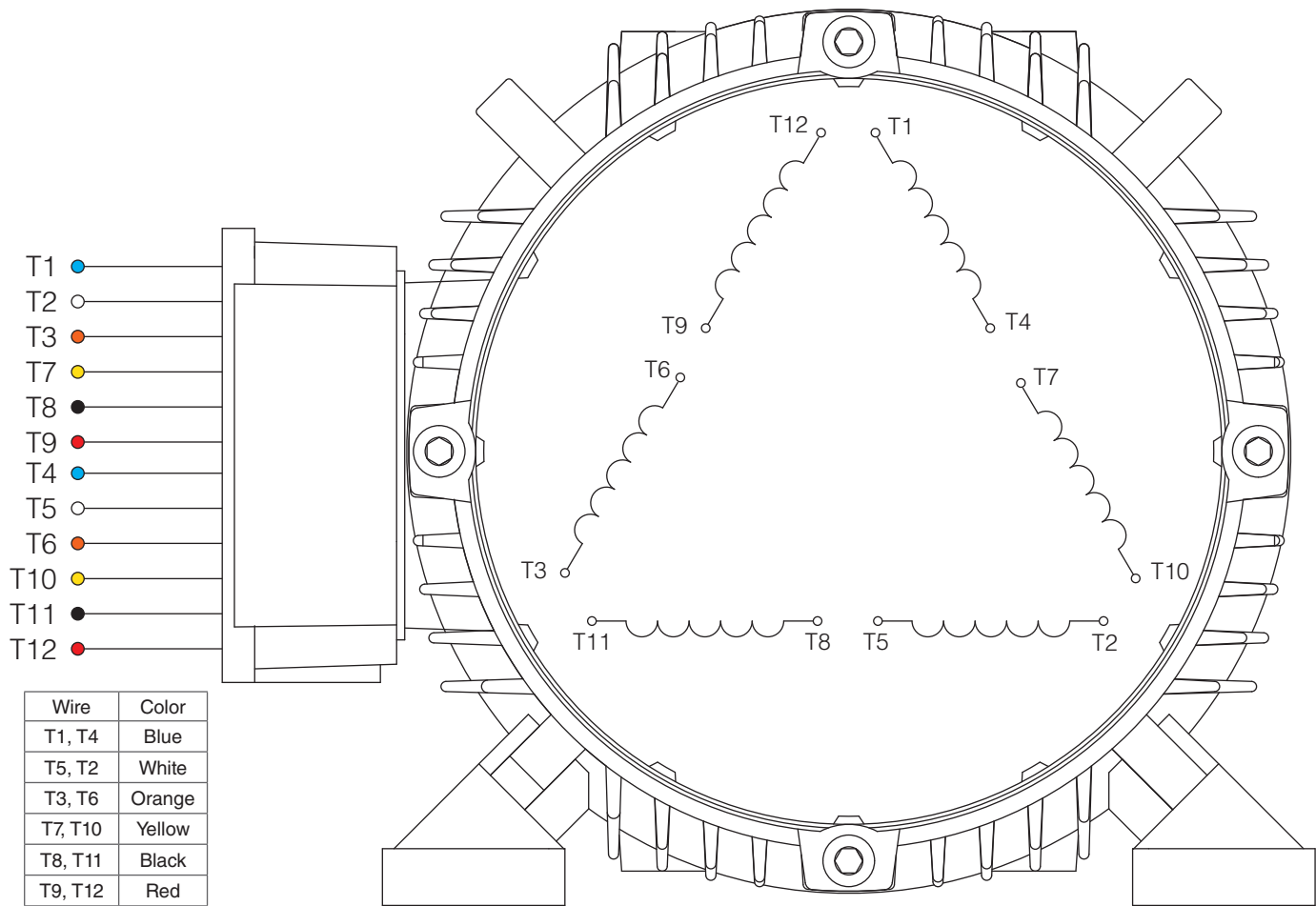
TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

% OF RATED LOAD	25	50	75	100	125	S.F. 1.15
Line Amperes (A)	29.0	39.9	53.2	68.3	84.4	84.4
Efficiency (%)	91.9	94.6	95.0	94.8	94.3	94.3
Speed (r/min)	1796.0	1793.0	1789.0	1785.0	1781.0	1781.0
Power Factor (cosΦ)	0.53	0.75	0.84	0.87	0.89	0.89
Input Power (kW)	12.3	23.8	35.5	47.5	59.6	59.6

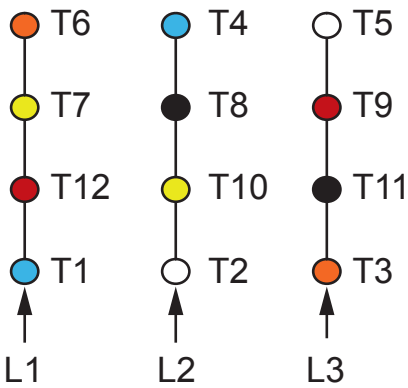
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HIGH VOLTAGE
(Δ)



LOW VOLTAGE
(ΔΔ)

- 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-3-12-DD-D
CONNECTION:	DD/D
NUMBER OF LEADS:	12
THERMAL PROTECTION:	-

NEMA 3Ø DD/D 12-Lead Dual Voltage

ISSUED DATE	13/11/25
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PREMIUM JM-JP PUMP MOTORS



NEMA Premium TEFC 364JM

DRAWING NUMBER:	GR3-CI-TF-364JM-CFC	ISSUED DATE	13/11/25
DIMENSIONS:	Inches		
MOUNTING:	Rigid/C-Flange	PREMIUM JM-JP PUMP MOTORS	
CASING MATERIAL:	Cast Iron		