

NEMA

Model JMA0102DP
MFG PN: T215T 10U2B

Model JMA0102DP

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
JMA0102DP	10	3520	230/460	3	60	215JM	Rigid/C-Flange	TEFC

Toronto

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Moncton

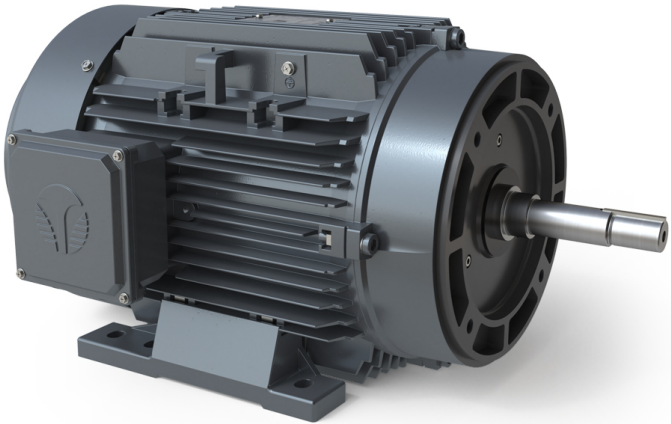
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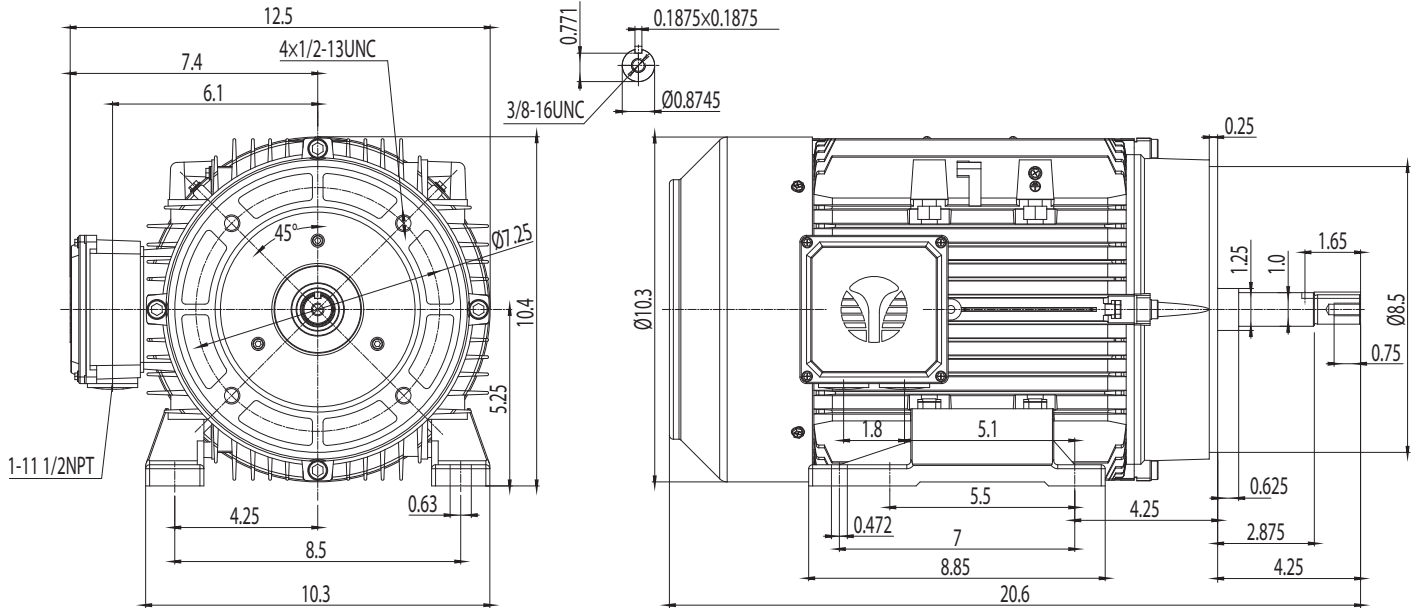
ELECTRICAL DATA		
Rated Motor Output Power	10	HP
	-	kW
Rated Motor Speed	3520	r/min 60Hz
	2910	r/min 50Hz
Rated Motor Voltage (+/-10%)	230/460	V/60Hz
	190/380	V/50Hz
Rated Motor Current	22.6/11.3	A (I _n) @ 60Hz
	26.6/13.3	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	106.37	A (I _n) @ 60Hz
FI Current @ 208V	25.8	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	1	@ 50Hz
KVA Code	L	60Hz
	H	50Hz
Nominal Efficiency	90.2	% @ 60Hz
Nominal Power Factor	0.92	cosΦ @ 60Hz
Leads (Qty, Size)	9	14
Connection	YY/Y	-
Coil Resistance	-	Ω
Start Capacitor	-	µF/V
Run Capacitor	-	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	1000:1	2 - 60
Constant Torque	15:1	4 - 60
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	50	°C @ 60Hz
	73	°C @ 50Hz

GENERAL DATA		
Frame Size	215JM	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	115 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
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	6308 2RS	
Bearing ODE Side	6208 2RS	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft²)	-	
Sound Pressure @ 3 FT dBA	71.4	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	A, B, C & D	
Temperature Code	T3A	-

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	10	10
RPM	3520	2910
Voltage	230/460	190/380
Full Load Amps	22.6/11.3	26.6/13.3
Service Factor	1.25	1
KVA Code	L	H
Full Load Amps (208V)	25.8	-
Nominal Efficiency	90.2	89.5
Nominal Power Factor	0.92	-
Design	A	
Frame	215JM	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6308 2RS	
Opposite Drive End Bearing	6208 2RS	
Weight (lbs)	115	

NAMEPLATE LAYOUT

TECHTOP INDUSTRIAL THREE PHASE PUMP MOTOR
INVERTER DUTY 1000:1 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

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

MADE IN CHINA

CC088A
E323353
UL
C224653
SP
Energy Verified Only

VFD DUTY (S.F. 1.0)	RATIO	Hz*
Variable Torque	1000:1	2 - 60
Constant Torque	15:1	4 - 60

*For max speed please contact Techtop Canada

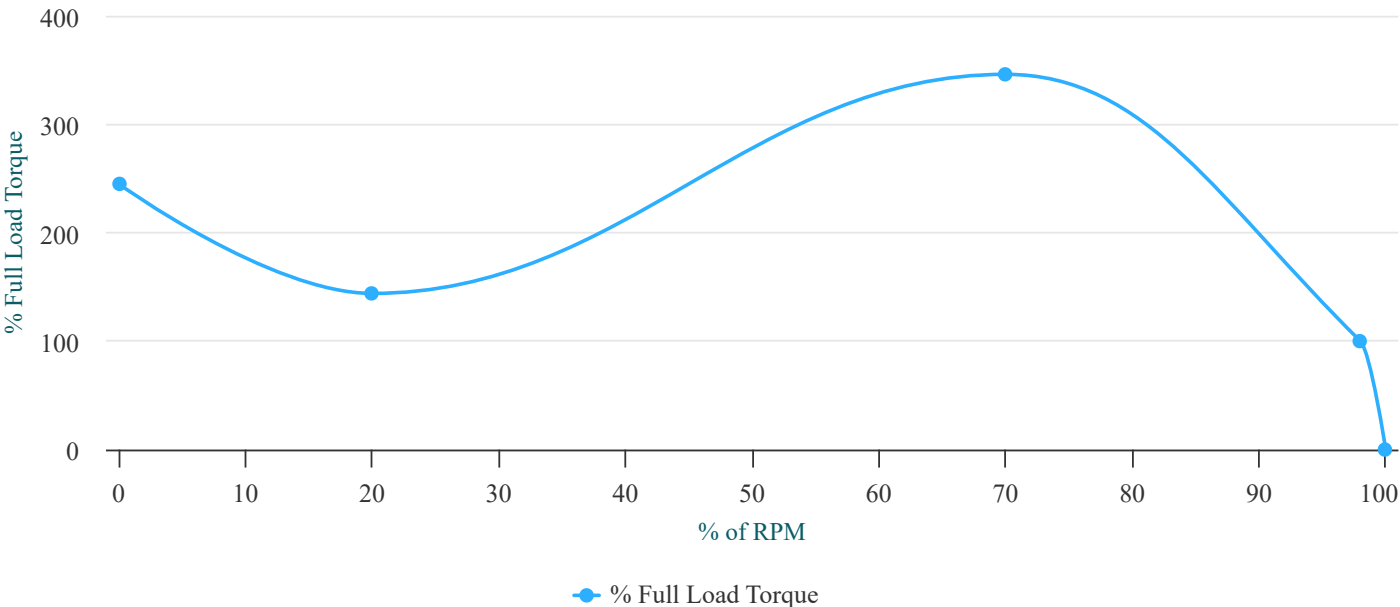
HAZARDOUS LOCATIONS	CSA CERTIFIED
Class / Division	Class I, Division II
Groups	A, B, C & D

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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	14.9	245	Start Configuration	DOL
Pull-Up Torque	21.5	144	Starting Current (A)	106.37
Breakdown Torque	51.6	346	No-Load Current (A)	3
Full Load Torque	36.6	100	No-Load Power Factor	0.12

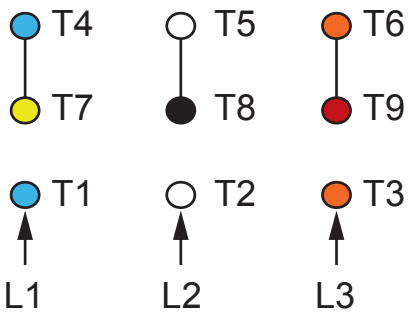
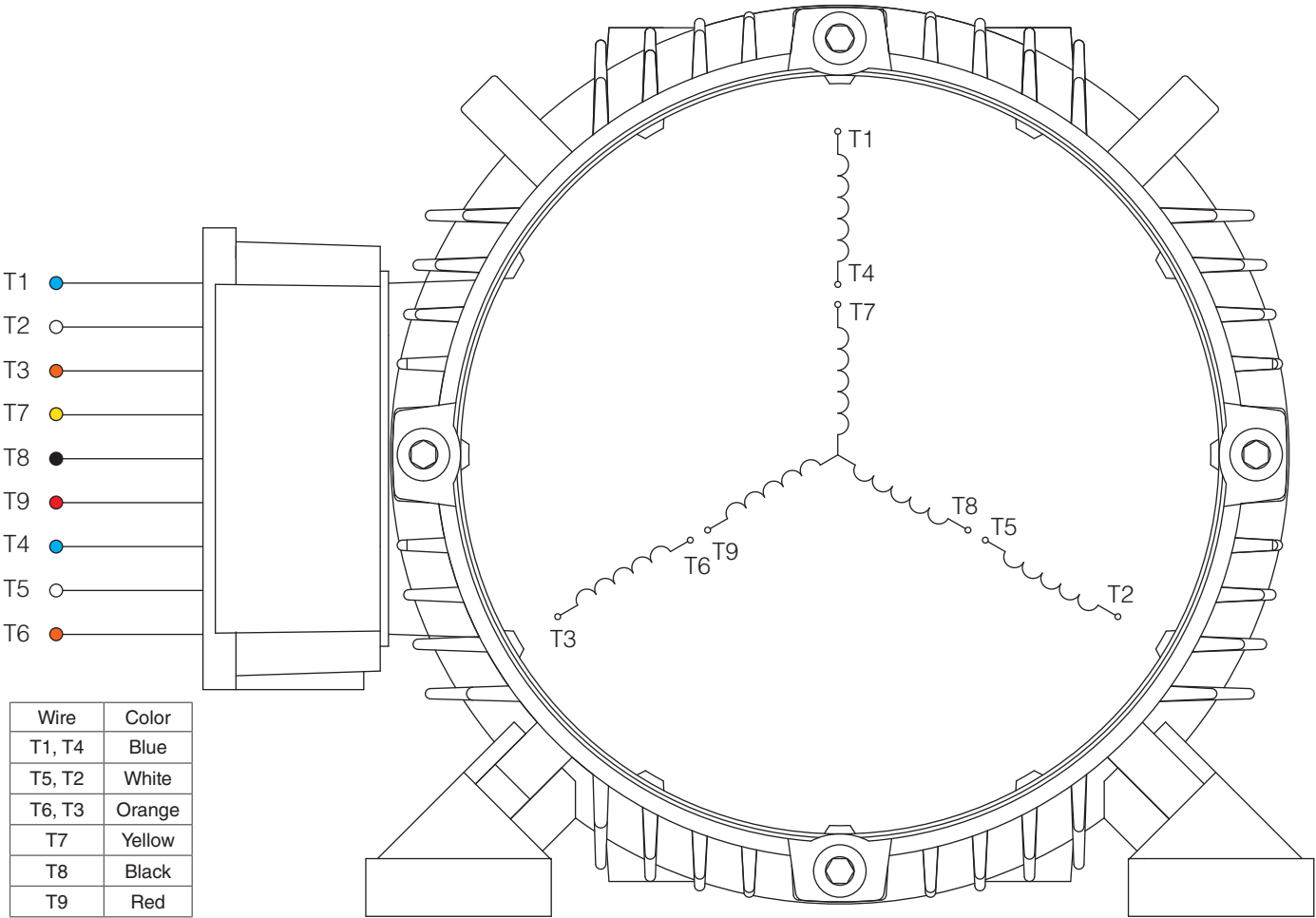
TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	4	6.1	8.6	11.2	14.1	14.1
Efficiency (%)	85.8	90.5	91.4	91.2	90.4	90.4
Speed (r/min)	3577	3564	3549	3530	3508	3508
Power Factor (cosΦ)	0.69	0.85	0.9	0.92	0.93	0.93
Input Power (kW)	2.19	4.14	6.15	8.23	10.38	10.38

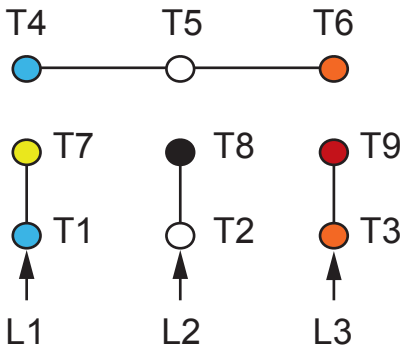
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HIGH VOLTAGE
(Y)



LOW VOLTAGE
(YY)

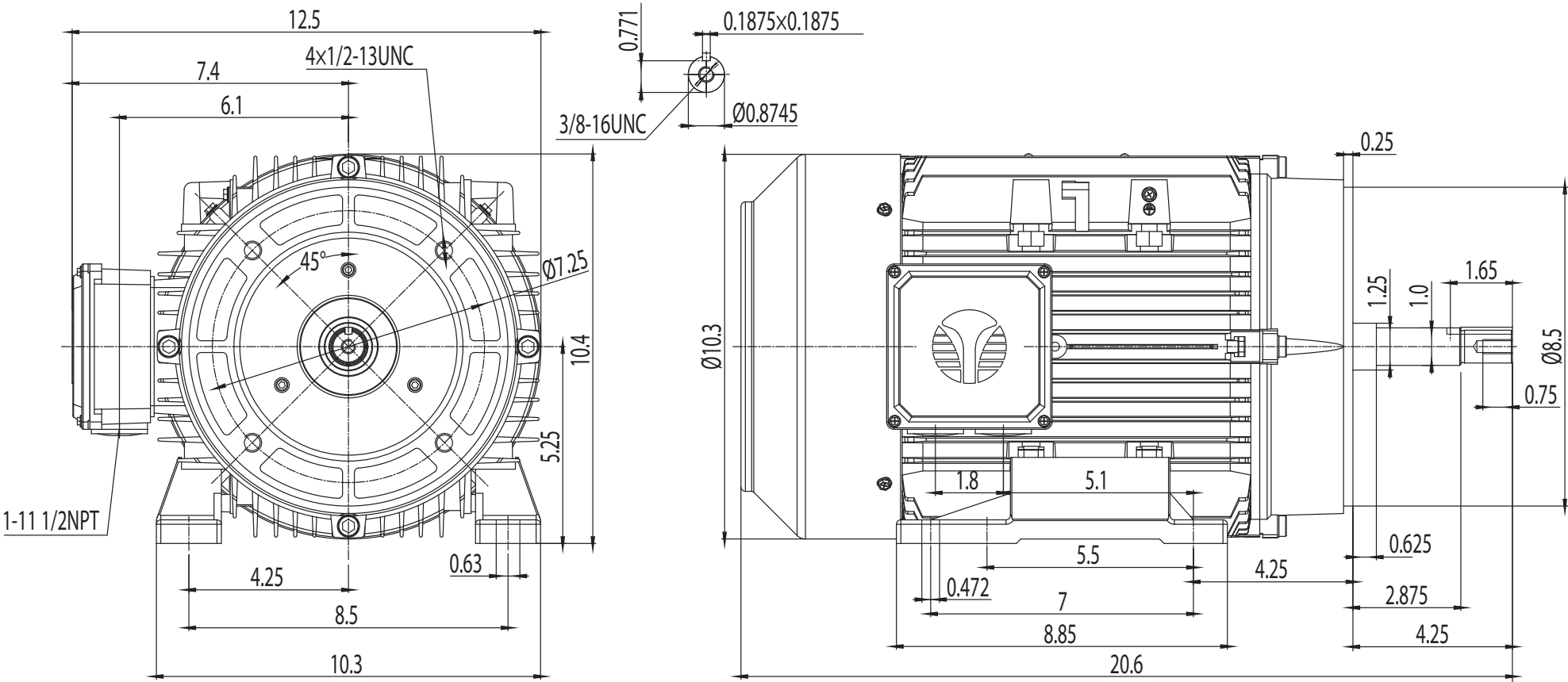
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
 - 4. LEADS MUST BE NUMBERED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



DRAWING NUMBER:	NEMA-3-9-YY-Y
CONNECTION:	YY/Y
NUMBER OF LEADS:	9
THERMAL PROTECTION:	-

NEMA 3Ø YY/Y 9-Lead Dual Voltage

ISSUED DATE	25/08/25
PREMIUM JM-JP PUMP MOTORS	



NEMA Premium TEFC 215JM

DRAWING NUMBER:	GR3-AL-TF-210JM
DIMENSIONS:	Inches
MOUNTING:	Rigid/C-Flange
CASING MATERIAL:	Cast Aluminum

ISSUED DATE 25/08/25

PREMIUM JM-JP PUMP MOTORS