

NEMA

Model JMC0306DP
MFG PN: T326T 30U6B

Model JMC0306DP

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
JMC0306DP	30	1180	230/460	3	60	326JM	Rigid/C-Flange	TEFC

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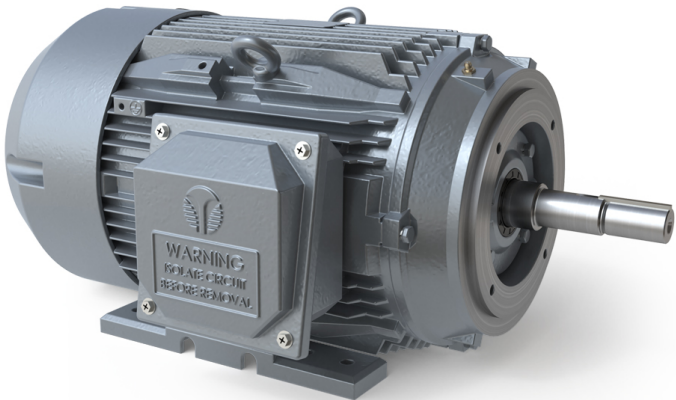
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Index

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

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ELECTRICAL DATA		
Rated Motor Output Power	30	HP
	-	kW
Rated Motor Speed	1180	r/min 60Hz
	970	r/min 50Hz
Rated Motor Voltage (+/-10%)	230/460	V/60Hz
	190/380	V/50Hz
Rated Motor Current	74.6/37.3	A (I _n) @ 60Hz
	90/45	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	317.8	A (I _n) @ 60Hz
FI Current @ 208V	82.47	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	1	@ 50Hz
KVA Code	K	60Hz
	H	50Hz
Nominal Efficiency	93	% @ 60Hz
Nominal Power Factor	0.81	cosΦ @ 60Hz
Leads (Qty, Size)	12	10
Connection	DD/D	-
Coil Resistance	27.5	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	60.8	°C @ 60Hz
	94.3	°C @ 50Hz

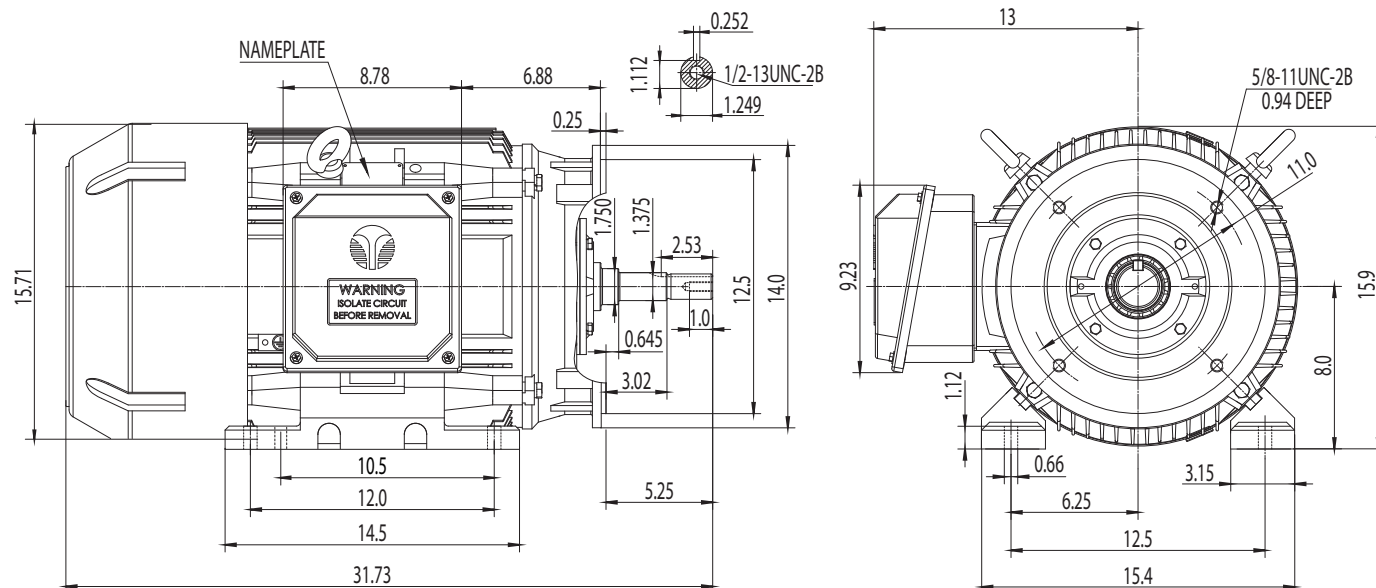
GENERAL DATA		
Frame Size	326JM	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	680.1 lbs.	
Casing Material / Fan Cover	Cast Iron	Cast Iron
Shaft Material	304 SS	
NEMA Design	A	
Degree of Protection (IP)	55	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	YES	
Duty	Cont. / S1	
Conduit Box Location	F1	
Feet Removable / Double Drilled	YES	YES
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6312 C3	
Bearing ODE Side	6312 C3	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft²)	10.67	
Sound Pressure @ 3 FT dBA	74	
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	30	30
RPM	1180	970
Voltage	230/460	190/380
Full Load Amps	74.6/37.3	90/45
Service Factor	1.25	1
KVA Code	K	H
Full Load Amps (208V)	82.47	-
Nominal Efficiency	93	91.2
Nominal Power Factor	0.81	-
Design	A	
Frame	326JM	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6312 C3	
Opposite Drive End Bearing	6312 C3	
Weight (lbs)	680.1	

NAMEPLATE LAYOUT

 TECHTOP		INDUSTRIAL THREE PHASE PUMP MOTOR INVERTER DUTY 1000:1 VT - 1.0 SF	
MODEL		TECHTOPCANADA.COM	
NEMA Premium	60Hz	50Hz	MFG PN
	HP		MFG DATE
	RPM		SER #
	VOLT		DESIGN
	FLA		FRAME
	SF		ENCL
	KVA CODE		IP
	NOM.EFF		DUTY
USABLE AT 208V 60Hz	BEARING SIZE		CC CC096A
DE	ODE	INS CL	UL E323353
FLA	GREASE: MOBIL POLYREX EM		SP C224693
MADE IN CHINA	CLASS 1, DIV 2, GROUPS A, B, C AND D	AMB	SP Energy Verified Only
WEIGHT		lbs	IEEE 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

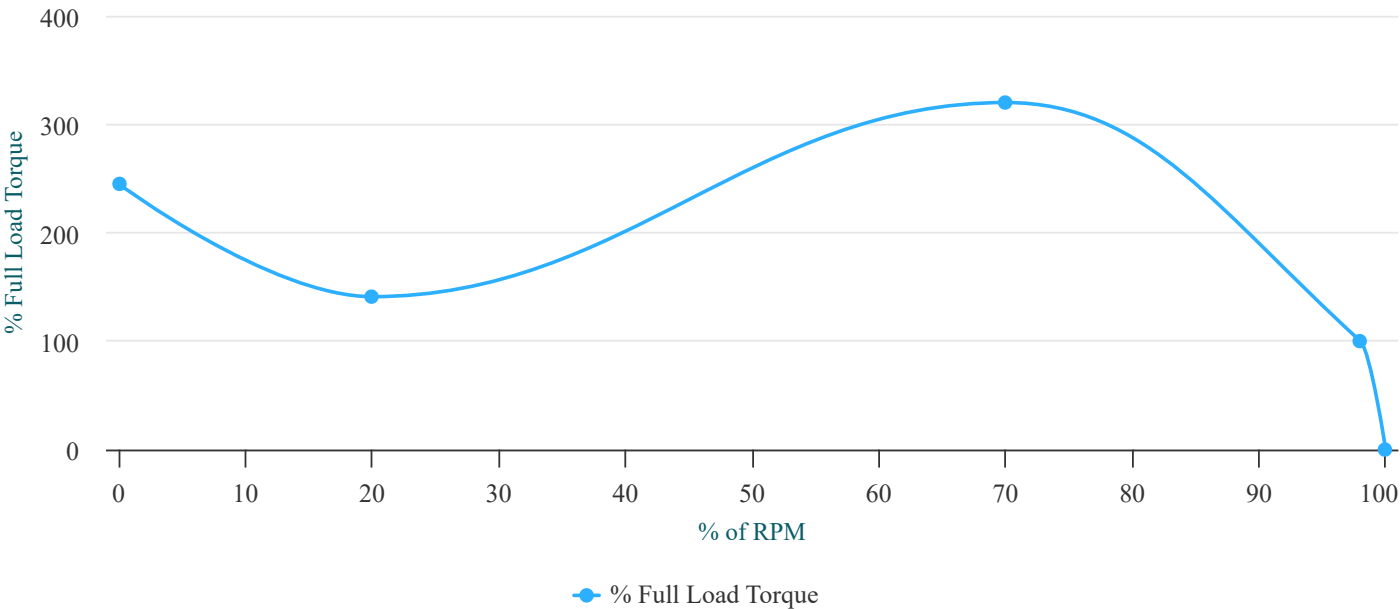
HAZARDOUS LOCATIONS	CSA CERTIFIED
Class / Division	Class I, Div. 2
Groups	A, B, C & D

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Torque Speed (T-n) Curve



PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz

TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)
Locked Rotor Torque	327.1	245
Pull-Up Torque	188.3	141
Breakdown Torque	427.3	320
Full Load Torque	133.5	100

TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

PERFORMANCE VALUES	
Start Configuration	DOL
Starting Current (A)	317.8
No-Load Current (A)	14.4
No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	16.7	21.7	28.1	35.6	44.0	44.0
Efficiency (%)	88.9	92.5	92.9	92.4	91.5	91.5
Speed (r/min)	1195.0	1191.0	1186.0	1181.0	1176.0	1176.0
Power Factor (cosΦ)	0.46	0.69	0.79	0.84	0.86	0.86
Input Power (kW)	6.2	11.9	17.8	23.8	30.1	30.1

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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



NEMA 3Ø DD/D 12-Lead Dual Voltage

DRAWING NUMBER:	NEMA-3-12-DD-D	ISSUED DATE	31/10/25
CONNECTION:	DD/D	PREMIUM JM-JP PUMP MOTORS	
NUMBER OF LEADS:	12		
THERMAL PROTECTION:	-		

 TECHTOP <i>You can't top a Techtop.</i>		NEMA Premium TEFC 326JM	
DRAWING NUMBER:	GR3-CI-TF-326JM-CFC	ISSUED DATE	31/10/25
DIMENSIONS:	Inches		
MOUNTING:	Rigid/C-Flange	PREMIUM JM-JP PUMP MOTORS	
CASING MATERIAL:	Cast Iron		