

OWP445T-100-6

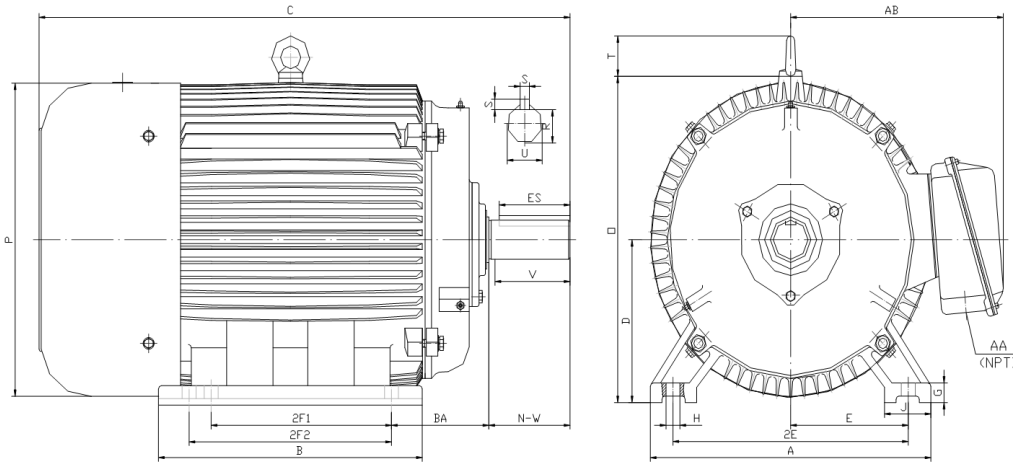
OIL WELL PUMP MOTOR

HIGH TORQUE / HIGH SLIP (5 - 8%)

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CONSTANT TORQUE - NEMA MG1 PART 31

Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G



DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
100	1200	445T	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	22.10	21.60	3.00	7.50

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.00	NU318	6317	F2

BEARING LUBRICATION: The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP



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411 N Platte Ave. York, NE. 68467

**AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL**

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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
100	1140	445T	230/460/796	60	1.15	F	D	5.0	G	TEFC	55	40° C

Amps (460V)		Efficiency (%)				Power Factor				Torque (ft-lb)			DE Bearing	DE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %					
117.0	725.0	90.5	91.0	90.1	88.5	0.88	0.78	0.63	460.0	275	300	NU318	6317	12 Lead 2Δ/Δ/Y	1390	

NAME PLATE

North American Electric, Inc.						OIL WELL PUMP MOTOR					
INVERTER DUTY 10:1 CONSTANT TORQUE						NEMA DESIGN D HIGH TORQUE/HIGH SLIP (5-8%)					
CAT NO:		OWP445T-100-6		HP	100	Hz	60	PHASE	3		
VOLTS		230/460/796		FLA	117.0		IP RATING		55		
RPM		1140		POWER FACTOR		0.88		DESIGN		D	
FRAME		445T		NEMA NOM EFF		90.5		CODE		G	
DRIVE END BEARING		NU318		NEMA MIN EFF		88.5		S.F.		1.15	
OPP DRIVE END BEARING		6317		MAX AMB		40° C		INS CLASS		F	
ENCL		TEFC		RATING	CONT	SER					
MOTOR WEIGHT		1390 LBS		CONNECTION		12 Lead 2Δ/Δ/Y		LUB:		Mobil Polyrex EM	
Designed Specifically for use on Oil Well Pumping Units Hernando, Mississippi											

CONNECTION DIAGRAMS

230V

460V

796V

APPLICATIONS:

Designed Specifically for use on Oil Well Pumping Units. Suitable for use on Variable Frequency Drives (VFDs).



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