



OWP405T-60-8

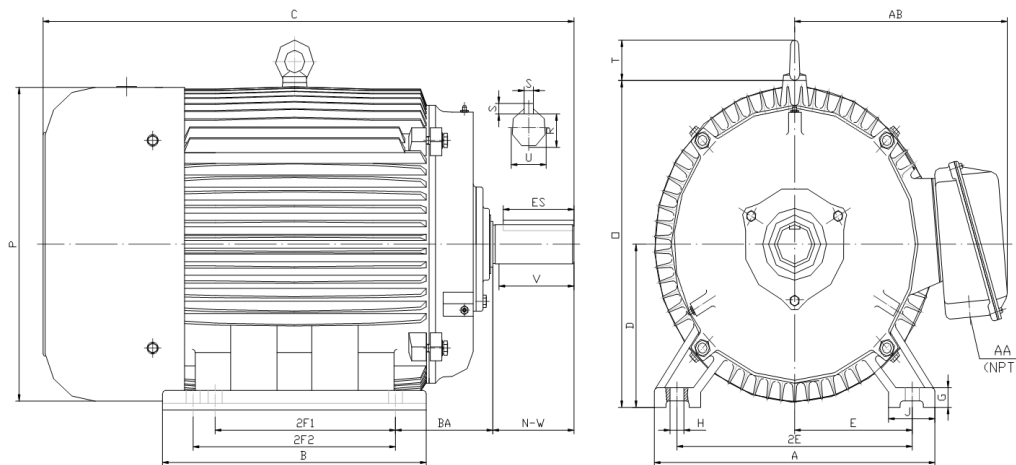
OIL WELL PUMP MOTOR

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
60	855	405T	19.30	17.90	38.00	10.00	1.18	0.81	3.15	8.00	16.00	12.25	13.75	19.80	19.10	2.60	6.62

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.875	7.00	2.450	0.750	5.65	7.25	3.00	15.60	NU315	6314	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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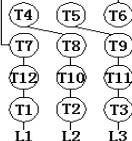
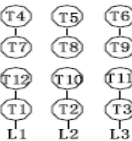
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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
60	855	405T	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 %	NU315	6314	12 Lead 2Δ/Δ/Y	1025
80.0	435.0	89.5	89.5	88.0	87.5	0.78	0.70	0.58	370.0	275	285				

NAME PLATE

 North American Electric, Inc.										OIL WELL PUMP MOTOR										CONNECTION DIAGRAMS																																							
INVERTER DUTY 10:1 CONSTANT TORQUE										NEMA DESIGN D HIGH TORQUE/HIGH SLIP (5-8%)										230V 																																							
CAT NO:				OWP405T-60-8				HP		60		Hz		60		PHASE				3																																							
VOLTS				230/460/796				FLA		80.0				IP RATING				55																																									
RPM				855				POWER FACTOR				0.78				DESIGN				D																																							
FRAME				405T				NEMA NOM EFF				89.5				CODE				G																																							
DRIVE END BEARING				NU315				NEMA MIN EFF				87.5				S.F.				1.15																																							
OPP DRIVE END BEARING				6314				MAX AMB				40° C				INS CLASS				F																																							
ENCL				TEFC				RATING		CONT		SER																																															
MOTOR WEIGHT				1025 LBS				CONNECTION				12 Lead 2Δ/Δ/Y				LUB:		Mobil Polyrex EM																																									
Designed Specifically for use on Oil Well Pumping Units																																																		CC 082A									
Hernando, Mississippi																																																											

APPLICATIONS:

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