



OWP286T-20-6

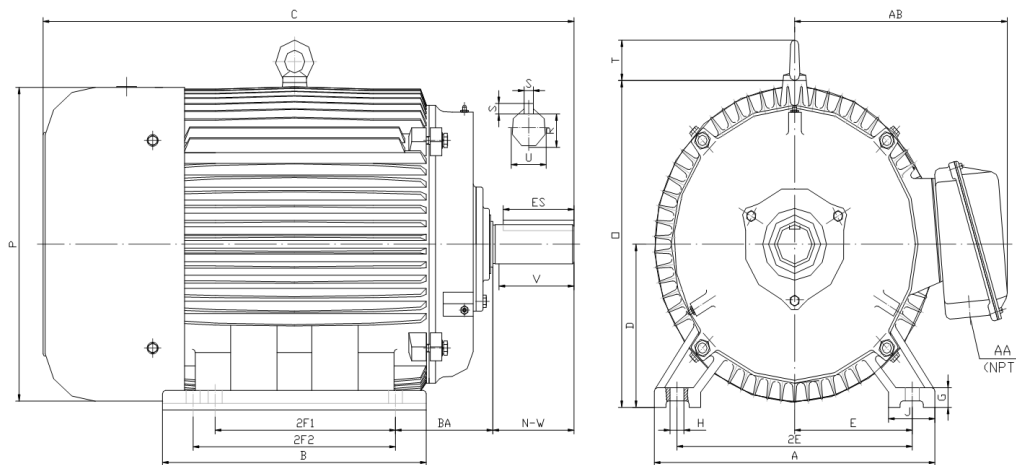
OIL WELL PUMP MOTOR

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
20	1200	286T	14.00	13.20	28.10	7.00	0.85	0.53	2.75	5.50	11.00	9.50	11.00	14.50	14.00	2.20	4.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.875	4.38	1.591	0.500	3.28	4.62	1.50	11.30	6311	6311	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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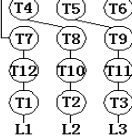
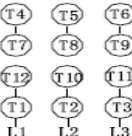
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
20	1130	286T	230/460/796	60	1.15	F	D	5.8	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 %	6311	6311	12 Lead 2Δ/Δ/Y	403
26.5	145.0	86.0	85.8	85.6	84.0	0.83	0.75	0.59	93.0	285	310				

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:				OWP286T-20-6				HP		20		Hz		60		PHASE				3		460V 																																											
VOLTS				230/460/796				FLA		26.5				IP RATING				55																																															
RPM				1130				POWER FACTOR				0.83				DESIGN				D																																													
FRAME				286T				NEMA NOM EFF				86.0				CODE				G																																													
DRIVE END BEARING				6311				NEMA MIN EFF				84.0				S.F.				1.15																																													
OPP DRIVE END BEARING				6311				MAX AMB				40° C				INS CLASS				F																																													
ENCL				TEFC				RATING		CONT		SER																																																					
MOTOR WEIGHT				403 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).