



## OWP445T-100-6

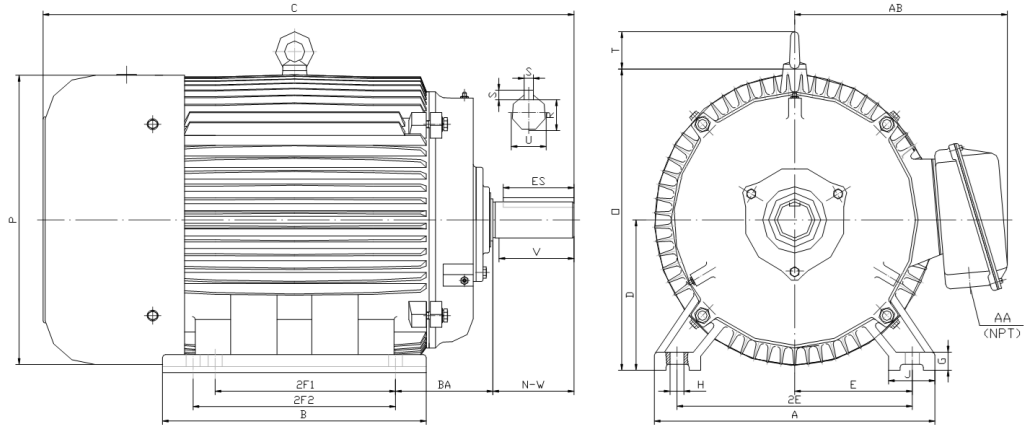
**OIL WELL PUMP MOTOR**

**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	21.7	22.9	44.3	11	1.35	0.81	3.35	9	18	14.5	16.5	22.1	21.6	3	7.5

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.375	8.25	2.88	0.875	6.91	8.5	3	19	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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### 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	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %	NU318	6317	12 Lead 2Δ/Δ/Y	1390
117	725	90.5	91.0	90.1	0.88	0.78	0.63	460	275	300				

### NAME PLATE

TYPE		TEFC	MODEL	OWP445T-100-6	S.F.	1.15	
HP	100	FRAME	445T	EFF	90.5		
RPM	1140	VOLTS	230/460/796	P.F.	0.88		
INS	F	AMPS	234/117/67.6	CODE	G		
PH	3	MAX AMB	40 °C	DE BRG	NU318		
HZ	60	S/N		ODE BRG	6317		
WT/LBS	1390	DESIGN	D	CONNECTION	12 Lead 2Δ/Δ/Y		
Thermo-protection 155°C (PT1,PT2)				LUB	Mobil Polyrex EM		
Designed Specifically for use on Oil Well Pumping Units							
Hernando, Mississippi							

### APPLICATIONS:

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