



OWP445T-100-6

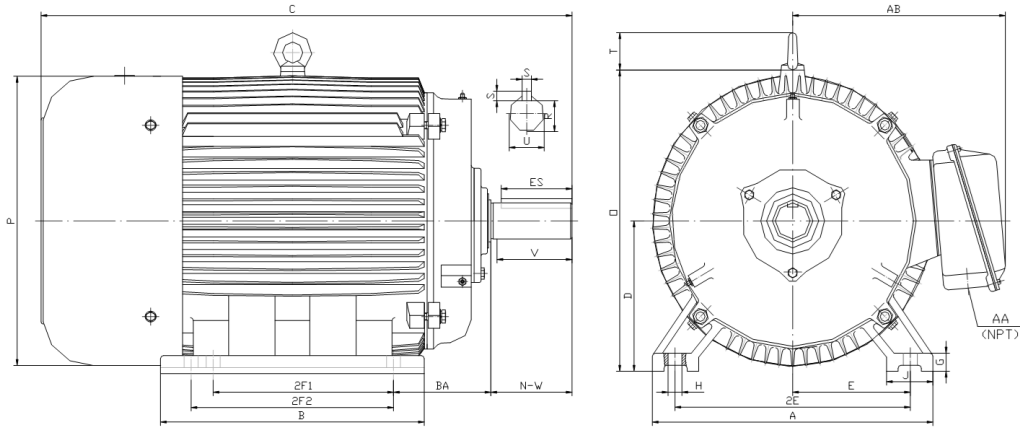
OIL WELL PUMP MOTOR

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	21.34	20.39	44.09	11.00	1.38	0.81	3.35	9.00	18.00	14.50	16.50	22.30	21.97	2.85	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	18.82	NU318	6313	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	1125	445T	230/460/796	60	1.15	F	D	5.1	H	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 %	NU318	6313	12 Lead 2Δ/Δ/Y	1841
120.6	725.0	89.6	90.1	89.0	NA	0.87	0.86	0.79	445.0	190	210				

NAME PLATE

TYPE		TEFC	MODEL	OWP445T-100-6	S.F.	1.15			
HP	100	FRAME	445T	EFF.	89.6				
RPM	1125	VOLTS	230/460/796	P.F.	0.87				
INS.	F	AMPS	241.2/120.6/69.7	CODE	H				
PHASE	3	MAX AMB	40° C	DE BRG	NU318				
HZ	60	S/N		ODE BRG	6313				
WT/LBS	1841	DESIGN	D	CONN.	12 Lead 2Δ/Δ/Y				
Thermo-protection 150°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).