

**OWP254T-5-8**

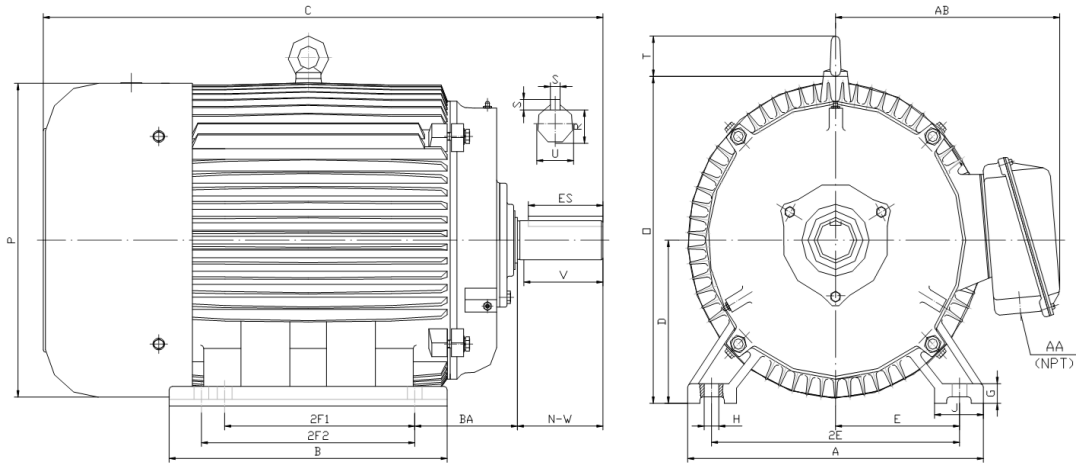
**OIL WELL PUMP MOTOR**

**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
5	855	254T	13.00	10.45	23.20	6.25	0.70	0.53	2.75	5.00	10.00	8.25	NA	13.00	12.40	2.20	4.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.625	3.75	1.416	0.375	2.91	4.00	1.25	10.10	6309	6309	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
5	855	254T	230/460/796	60	1.15	F	D	5.0	J	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 %				
9.0	46.0	81.5	81.0	78.0	78.5	0.65	0.55	0.42	31.5	290	300	6309	6309	12 Lead 2Δ/Δ/Y	191

### NAME PLATE

<b>Oil Well Pump Motor</b>						<b>CONNECTION DIAGRAMS</b>		
<b>INVERTER DUTY 10:1 CONSTANT TORQUE</b>						<b>NEMA DESIGN D HIGH TORQUE/HIGH SLIP (5-8%)</b>		
CAT NO: OWP254T-5-8		HP	5	Hz	60	PHASE		3
VOLTS 230/460/796		FLA 9.0		IP RATING		55		
RPM	855	POWER FACTOR		0.65	DESIGN		D	
FRAME	254T	NEMA NOM EFF		81.5	CODE		J	
DRIVE END BEARING	6309	NEMA MIN EFF		78.5	S.F.		1.15	
OPP DRIVE END BEARING	6309	MAX AMB		40° C	INS CLASS		F	
ENCL	TEFC	RATING	CONT	SER				
MOTOR WEIGHT	191 LBS	CONNECTION		12 Lead 2Δ/Δ/Y	LUB:		Mobil Polyrex EM	
Designed Specifically for use on Oil Well Pumping Units Hernando, Mississippi						CC 082A		
						<b>230V</b> 		
						<b>460V</b> 		
						<b>796V</b> 		

### APPLICATIONS:

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