

PATRIOT

MPC



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<p>DESIGN: Brushless, revolving field, four pole, 1800 rpm for 60 Hz or optional 50 Hz operation</p> <p>REGULATION: (+/-) 1% voltage regulation from nameplate rating</p> <p>WAVEFORM: Harmonic distortion limited to 4%</p> <p>INSULATION: Class H, 200 degree F, slot insulation, varnish and copper windings.</p> <p>PF: 1.0 (unity) for single-phase units 0.8 for three-phase units</p>	<p>TYPE OF OIL: Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent</p> <p>VISCOSITY: Optimum operating viscosity is ISO 46 for best performance in all conditions</p> <p>CAPACITY: The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications</p>	<p>MIN INPUT: 900 rpm (10/15/20 kW) 1150 rpm (25/30 kW)</p> <p>MAX INPUT: 3000 rpm</p> <p>DISPLACEMENT: 80cc</p> <p>MAX TEMP: 204 Degrees F</p> <p>MIN TEMP: -15 Degrees F</p> <p>WEIGHT: 78 lb</p> <p>MAX TORQUE: 295 lbft</p> <p>SHAFT: SAE-C 14T Splined SAE-C 1.25" Keyed</p> <p>MAX PRESSURE: 5,000 psi</p> <p>MAX VACUUM: 10.0 inHg</p>	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length					29.0			29.0	29.0	35.0	35.0	6.0
Width					23.0			23.0	23.0	24.0	24.0	21.2
Height					19.0			19.0	19.0	20.0	20.0	18.5
Weight					367			437	488	540	560	24
Max Kw					10.0			15.0	20.0	25.0	30.0	
HP Required					25			35	45	55	65	
AMP/120 VAC					84			125	167	208	250	
AMP/240 VAC					42			62	84	104	125	
Max PSI					2700			3500	4300	4200	5000	
Oil Viscosity					ISO 46			ISO 46	ISO 46	ISO 46	ISO 46	
Reservoir GAL												3.8
Flow Rate GPM					15			15	15	20	20	
Alt Speed RPM					1800			1800	1800	1800	1800	

*Reservoirs are shipped attached but can be remote mounted

**Generator dimensions and weights don't include the reservoir.