

# HORNET

## NCM



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<p><b>DESIGN:</b> Brushless, revolving field, four pole, 1800 rpm for 60 Hz or optional 50 Hz operation</p> <p><b>REGULATION:</b> (+/-) 1% voltage regulation from nameplate rating</p> <p><b>WAVEFORM:</b> Harmonic distortion limited to 4%</p> <p><b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings.</p> <p><b>PF:</b> 1.0 (unity) for single-phase units 0.8 for three-phase units</p>	<p><b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent</p> <p><b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions</p> <p><b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications</p>	<p><b>MIN INPUT:</b> 900 rpm (10/15/20 kW) <b>MAX INPUT:</b> 3000 rpm <b>DISPLACEMENT:</b> 80cc <b>MAX TEMP:</b> 204 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 78 lb <b>MAX TORQUE:</b> 295 lbft <b>SHAFT:</b> SAE-C 14T Splined SAE-C 1.25" Keyed <b>MAX PRESSURE:</b> 5,000 psi <b>MAX VACUUM:</b> 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								43.38	43.38			18.1
Width								16.0	16.0			17.0
Height								19.0	19.0			14.6
Weight								410	450			24
Max Kw								15.0	20.0			
HP Required								35	45			
AMP/120 VAC								125	167			
AMP/240 VAC								62	84			
Max PSI								3500	4300			
Oil Viscosity								ISO 46	ISO 46			
Reservoir GAL												4.0
Flow Rate GPM								15	15			
Alt Speed RPM								1800	1800			

\*Reservoirs are shipped detached    \*\*Generator dimensions and weights don't include the reservoir.