

# AVENGER

## MDS



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<p><b>DESIGN:</b> Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation</p> <p><b>REGULATION:</b> (+/-) 5% voltage regulation from nameplate rating</p> <p><b>WAVEFORM:</b> Harmonic distortion limited to 7%</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</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> 980 rpm (6/8/10 kW) 1150 rpm (12/14 kW)</p> <p><b>MAX INPUT:</b> 3300 rpm</p> <p><b>DISPLACEMENT:</b> 45cc</p> <p><b>MAX TEMP:</b> 200 Degrees F</p> <p><b>MIN TEMP:</b> -15 Degrees F</p> <p><b>WEIGHT:</b> 42 lb</p> <p><b>MAX TORQUE:</b> 132 lbft</p> <p><b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed</p> <p><b>MAX PRESSURE:</b> 4,000 psi</p> <p><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			33.1	33.1	33.1	33.1	33.1					6.0
Width			18.0	18.0	18.0	18.0	18.0					18.0
Height			16.1	16.1	16.1	16.1	16.1					14.1
Weight			250	255	260	265	270					20
Max Kw			6.0	8.0	10.0	12.0	14.0					
HP Required			14	18	22	27	31					
AMP/120 VAC			50	68	84	100	117					
AMP/240 VAC			25	34	42	50	58					
Max PSI			2700	3100	3500	3700	4000					
Oil Viscosity			ISO 46	ISO 46	ISO 46	ISO 46	ISO 46					
Reservoir GAL												3.8
Flow Rate GPM			10	10	10	12	12					
Alt Speed RPM			3600	3600	3600	3600	3600					

\*Reservoirs are shipped attached but can be remote mounted

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