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<b>Type:</b>	Vanair® CAP-START® 3000 Hydraulic 12/24VDC.
<b>12/24VDC Start:</b>	Fast self-recharge rate of 15 seconds. Elevated starting potential to negate cable voltage loss. High output discharge of up to 3240 AMP, specifically designed to overcome the initial friction for starting rotation in cold engines, followed by continued output power of approximately 800-1000 AMP through the starting event. Able to maintain glow plug and machine/vehicle parasitic loads without draining the capacitor start system. Manual activation to allow for charging of batteries below 4VDC.
<b>12/24VDC Charge:</b>	240 AMP infinitely variable charging system. Time out technology to prevent battery over charge with over current monitoring.
<b>Safeties:</b>	Weather protected electrical enclosure, reverse polarity protection, open, closed or low circuit safety, and self-regulating infinitely variable charging system.
<b>Starting Cables:</b>	30' 3/0 starting cables. Flexible down to -67 °F (-55 °C), UL class K stranded copper utilized to minimize voltage drop.
<b>VSC™:</b>	Vanair® Super Capacitor (VSC™) 3000 AMP at 12VDC capabilities. Meets MIL specifications vibration ratings.
<b>DC Alternator:</b>	240 AMP at 12VDC and 240 AMP at 24VDC, externally excited, microcontroller regulated to allow efficient total control over unit charging and starting functions.
<b>Hydraulic Drive System:</b>	Gear Motor with case drain, 0-25 GPM adjustable flow control valve, 3000 PSI pressure relief valve, and electronic solenoid valve.
<b>Hydraulic Requirements:</b>	8-12 GPM @ 3000 PSI. Can accommodate pumps sizes from 8-25 GPM
<b>Machine Weight:</b>	Dry weight: 150 Lbs.
<b>Dimensions:</b>	24L x 18W x 12H (In.)
<b>Battery:</b>	Tie to chassis battery. Service vehicle connector harness connects to the chassis battery, supplying power to the machine.
<b>Instrument Panel:</b>	Color LED digital display can be remotely mounted. Integrated features include start/stop function, hour meter, display for voltage and amperage output, battery charge or start mode function, integrated fault codes and warnings.
<b>Drive System:</b>	Alternator utilizes three 3V V-belts with an adjustable slide plate.
<b>Metal:</b>	Fully powder-coated with aluminum enclosure, 12 Ga. steel base, and easy service access.

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**CAP-START<sup>®</sup> 3000 HYDRAULIC 12/24VDC ENGINE STARTER**

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**Service Centers:** Manufacturer must have factory authorized service centers located in each state of the United States of America and Canadian provinces.