

Type:	Vanair [®] Cap-Start [®] 3000 + Air Light 12/24VDC. 30-Gallon tank mount version.
12/24VDC Start:	Fast self-recharge rate of 15 seconds. Elevated starting potential to negate cable voltage loss. High output discharge of up to 3240A, specifically designed to overcome the initial friction for starting rotation in cold engines, followed by continued output power of approximately 800-1000A 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.
12/24VDC Charge:	240A infinitely variable charging system. Time out technology to prevent battery over charge with over current monitoring.
Safeties:	Weather resistant electrical enclosure, reverse polarity protection, and short circuit safety.
Starting Cables:	30' 3/0 starting cables. Flexible down to -67°F (-55°C), UL class K stranded copper utilized to minimize voltage drop.
VSC[™]:	Vanair [®] Super Capacitor (VSC [™]) 3000A @ 12VDC capabilities. Meets MIL specifications vibration ratings.
DC Alternator:	240A @ 12VDC and 240A @ 24VDC, externally excited, microcontroller regulated to allow efficient total control over unit charging and starting functions.
Air Compressor:	24 CFM @ 175 PSIG MAX.
Fuel Capacity:	11-gallon slimline tank or tied to chassis.
Air Storage Tank:	Integrated 30-gallon air tank. ASME/CRN certified tank kits that include check valve, pressure relief valve, and condensation drain.
Machine Weight:	Dry weight: 479 Lbs.
Engine:	Electronic Fuel Injected Honda [®] 22.1 HP IGX700 EFI ETB.
Dimensions:	46.7L x 23.4W x 42.7H (In.)
Battery:	Optional battery box and 12VDC sealed lead acid battery. Starting/charging system is electrically isolated from chassis.
Instrument Panel:	Color LED digital display can be remotely mounted. Integrated features include engine start/stop function, hour meter, display for voltage and amperage output, battery charge or start mode function, and integrated fault codes and warnings.

**CAP-START® 3000 + AIR LIGHT
12/24VDC ENGINE STARTER
RECIPROCATING AIR COMPRESSOR
BID SPECIFICATION
REVISED: November 17, 2025**

Drive System:	Compressor utilizes a dual V-belt drive system with automatic tensioner. Alternator utilizes a poly-V serpentine belt with quiet channel technology and automatic tensioner.
Metal:	Fully powder-coated with aluminum enclosure around electrical or critical components, 3/16" plate steel base frame, optional removable lifting eye, and easy service access.
Service Centers:	Manufacturer must have factory authorized service centers located in each state of the United States of America and Canadian provinces.