**LIMITED WARRANTY**

Goodall products are warranted to the original purchaser against failure due to defective material and/or workmanship for a minimum period of one year from the date of purchase, except for:

- Items that are warranted solely by the manufacturer, such as gasoline engines, hydraulic motors, flow control valves and air compressors
- All batteries and power cells, which are warranted for 90 days

This warranty does not cover any product worn out or altered, used for a purpose other than for which it is intended or used in a manner inconsistent with any instruction regarding its use.

The exclusive remedy for any product found to be defective under this warranty is limited to the repair, or replacement of the defective product without charge, and Goodall shall not be liable for any consequential or incidental damages, including labor charges. In order to qualify for this warranty, all returns must receive prior authorization from the factory and be returned directly to the Goodall factory (or authorized service center) freight prepaid. Goodall will make final determination of defects. No agent, employee or representative of Goodall has any authority to bind to any affirmation, representation or warranty concerning Goodall products, except as stated herein.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start•All®</td>
<td></td>
</tr>
<tr>
<td>Briggs &amp; Stratton® Engine</td>
<td>3 year</td>
</tr>
<tr>
<td>Kohler® Engine</td>
<td>3 year</td>
</tr>
<tr>
<td>Subaru® Engine</td>
<td>3 year</td>
</tr>
<tr>
<td>Jump Starting</td>
<td>1 year</td>
</tr>
<tr>
<td>AC Generator</td>
<td>1 year</td>
</tr>
<tr>
<td>Air Compressor</td>
<td>1 year</td>
</tr>
<tr>
<td>Goodall® Power Center</td>
<td></td>
</tr>
<tr>
<td>Kohler® Engine</td>
<td>3 year</td>
</tr>
<tr>
<td>Subaru® Engine</td>
<td>3 year</td>
</tr>
<tr>
<td>Generator/Welder</td>
<td>1 year</td>
</tr>
<tr>
<td>Air Compressor</td>
<td>1 year</td>
</tr>
<tr>
<td>Jump Starting</td>
<td>1 year</td>
</tr>
<tr>
<td>Battery Powered Jump Starters</td>
<td></td>
</tr>
<tr>
<td>CapStart®</td>
<td>1 year</td>
</tr>
<tr>
<td>Power Cells</td>
<td>90 day</td>
</tr>
<tr>
<td>FleetStart®</td>
<td>1 year</td>
</tr>
<tr>
<td>Batteries</td>
<td>90 day</td>
</tr>
<tr>
<td>Boost•All®</td>
<td>1 year</td>
</tr>
<tr>
<td>Super Boost•All®</td>
<td>1 year</td>
</tr>
<tr>
<td>Batteries</td>
<td>90 day</td>
</tr>
<tr>
<td>AC Generators</td>
<td></td>
</tr>
<tr>
<td>AC Generators (Alternators)</td>
<td>2 year</td>
</tr>
<tr>
<td>Subaru® Gas Engines</td>
<td>3 year</td>
</tr>
<tr>
<td>Yanmar® Diesel Engine</td>
<td>2 year</td>
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<tr>
<td>Hydraulic AC Generators</td>
<td>1 year</td>
</tr>
<tr>
<td>Air Compressors</td>
<td></td>
</tr>
<tr>
<td>Air Compressor Pumps</td>
<td>2 year</td>
</tr>
<tr>
<td>Subaru® Engines</td>
<td>3 year</td>
</tr>
<tr>
<td>Honda® Engines</td>
<td>3 year</td>
</tr>
<tr>
<td>Pressure Washers</td>
<td></td>
</tr>
<tr>
<td>62-090, 62-092 (Electric Motor)</td>
<td>1 year</td>
</tr>
<tr>
<td>62-100 (Honda® Engine)</td>
<td>1 year</td>
</tr>
<tr>
<td>62-120 (Honda® Engine)</td>
<td>3 year</td>
</tr>
<tr>
<td>62-140, 62-160, 62-200 (Subaru® Engine)</td>
<td>3 year</td>
</tr>
<tr>
<td>62-100, 62-120 (Pump)</td>
<td>1 year</td>
</tr>
<tr>
<td>Cable Product</td>
<td>1 year</td>
</tr>
<tr>
<td>Antizap</td>
<td>1 year</td>
</tr>
<tr>
<td>Battery Chargers</td>
<td>1 year</td>
</tr>
<tr>
<td>Gas Transfer Product</td>
<td>1 year</td>
</tr>
</tbody>
</table>
WHY GOODALL?

GOODALL IS BACKED BY OVER 70 YEARS OF HISTORY AND INNOVATION. WE ARE ALSO PROUD TO PROVIDE A WIDE RANGE OF EQUIPMENT MADE RIGHT HERE IN THE U.S.

OUR PROMISE

Goodall Mfg., founded in 1939, is a proven leader in jump starting and mobile service equipment. Our engine-driven, generator-powered Start•All® jump starters remain a one-of-a-kind industry standard, able to charge and boost more vehicles in a row than any other category of jump starter. Goodall’s full line of equipment includes a broad range of jump starters, air compressors, AC generators and welders. Goodall also carries a full range of the highest quality, heavy-duty cable and clamp products available.

Goodall’s reputation for building heavy-duty, safe and reliable products, along with providing superior customer service, sets us apart from other manufacturers in all the industries we serve.

Our commitment is to you, our customer.

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BATTERY CHARGING/BOOSTING VS. INSTANT BOOSTING

Goodall’s gas-powered starting units provide battery charging AND boosting power. They take a few minutes to boost a vehicle (depending on outside conditions), but they also provide a standing charge to the battery and can perform infinite jump starts as long as you keep them fueled. Instant boosting units provide a finite number of starts and need to be recharged when depleted. And while battery or capacitor jump starting units provide an instant boost to start your vehicle, they don’t provide a standing charge to batteries.
THE “S” FACTORS

When it comes to determining your output needs, start with the three S’s.

SPEED: HOW QUICKLY DO YOU NEED TO JUMP START A VEHICLE?

Is time on your side, or are you usually working against the clock? Low-amperage units can start the same vehicles as their high-amp cousins. But it can take more time to start a vehicle with 300 amp output versus 700 amp output. **If downtime is your nemesis, choose a more powerful Goodall jump starting unit to get the job done right.**

STARTS: HOW MANY STARTS DO YOU NEED TO PERFORM EACH DAY?

Do you consistently make several starts a day? Or do you only occasionally need to get a vehicle up and running. **If you need to jump start multiple vehicles per day, look for Goodall’s gas-powered jump starting units that can crank out just a few or as many starts as you need (if properly fueled). If your needs are less frequent, consider a battery powered unit. Battery powered units provide instant vehicle boosting but a limited number of starts before recharging the batteries.**

Spend: What’s your optimal ROI (Return on Output Investment)?

Higher output = higher price. That’s a given. But does downtime cost even more? The real consideration is what we call ROI: Return on Output Investment. If you need quicker boosting power to get your vehicles back on the road fast, then a higher-amp output also boosts your ROI. But if your starting needs are less frequent (or not time-sensitive), you’re better off with a lower-amp output. And if you often need to be in two places at once, you might consider two lower-amp output jump starters for the cost of one high-amp.

* Statistics are approximate as conditions may vary (temperature, battery condition, etc.)

** Prices will vary. Please contact your dealer or distributor for final pricing.
1. SELECT UNIT POWER
What do you want your Start·All to run on?

2. SELECT UNIT OUTPUT
How much power do you need from your Start·All?

3. SELECT UNIT FUNCTION
What do you need in your Start·All?

**AC TOOL OR EQUIPMENT** | **STARTING WATTAGE** | **RUNNING WATTAGE**
--- | --- | ---
Drill | 1,800 | 720
Edger | 2,400 | 960
Electric Pressure Washer | 3,600 | 1,200
Electric String Trimmer | 1,500 | 600
Jig Saw | 1,800 | 720
Miter Saw | 2,100 | 840
Paint Sprayer | 1,080 | 360
Water Pump | 3,000 | 1,000
Wet/Dry Vacuum | 2,500 | 888
Winch | 5,400 | 1,800
1/4” Drill | 300 | 300
Belt Sander | 1,000 | 1,000
Disc Sander | 1,200 | 1,200
Chain Saw | 1,200 | 1,200
Worm Drive Saw | 3,100 | 1,560
12’ Concrete Cutter | 3,600 | 1,800
Disc Grinder | 4,000 | 2,000
Air Compressor (Average) | 4,000 | 2,000

**AC POWER USAGE CHART**
Reference this chart to get a good approximation of the wattage requirements for your tools.

---

**MODEL NUMBER** | **AMPERAGE** | **AC OUTPUT** | **CFM @ 100 PSI**
--- | --- | --- | ---
**12/24V JUMP STARTING ONLY**
11-618 Start·All | 300/180 | — | —
11-620 Start·All | 700/400 | — | —
**12/24V JUMP STARTING WITH AIR**
11-622 Start·All | 700/400 | — | 13
11-923 Start·All | 700/400 | — | 23
**12/24V JUMP STARTING WITH AC**
11-621 Start·All | 700/400 | 2,000/2,750 | —

---

**GAS POWERED VEHICLE MOUNTED**

---

**HYDRAULIC**

---

**CAPACITOR**

---

**BATTERY**

---

*Output amperage is dependent on supplied battery power.*

---
### 12 Volt Jump Starting Selection Chart

**GAS POWERED VEHICLE MOUNTED**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>AMPERAGE</th>
<th>AC OUTPUT</th>
<th>CFM @ 100 PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V Jump Starting Only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-601 Start-All</td>
<td>300</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>11-605 Start-All</td>
<td>450</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>11-610 Start-All</td>
<td>700</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>12V Jump Starting with Air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-602 Start-All</td>
<td>300</td>
<td>–</td>
<td>8</td>
</tr>
<tr>
<td>11-607 Start-All</td>
<td>450</td>
<td>–</td>
<td>13</td>
</tr>
<tr>
<td>11-612 Start-All</td>
<td>700</td>
<td>–</td>
<td>23</td>
</tr>
<tr>
<td>12V Jump Starting with AC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-606 Start-All</td>
<td>450</td>
<td>2,000/2,750</td>
<td>–</td>
</tr>
<tr>
<td>11-611 Start-All</td>
<td>700</td>
<td>2,000/2,750</td>
<td>–</td>
</tr>
<tr>
<td>12V Jump Starting with Air &amp; AC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-608 Start-All</td>
<td>450</td>
<td>2,000/2,750</td>
<td>13</td>
</tr>
</tbody>
</table>

**GAS POWERED BUILT-IN**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>AMPERAGE</th>
<th>AC OUTPUT</th>
<th>CFM @ 100 PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V Jump Starting with Air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-922 Start-All</td>
<td>700</td>
<td>–</td>
<td>23</td>
</tr>
<tr>
<td>12V Jump Starting with Air &amp; AC</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>11-920AC Start-All</td>
<td>700</td>
<td>5,000/6,000</td>
<td>23</td>
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</tbody>
</table>

**HYDRAULIC**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>AMPERAGE</th>
<th>AC OUTPUT</th>
<th>CFM @ 100 PSI</th>
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</thead>
<tbody>
<tr>
<td>12V Jump Starting Only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-802 Start-All</td>
<td>700</td>
<td>–</td>
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</table>

**CAPACITOR**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>AMPERAGE</th>
<th>AC OUTPUT</th>
<th>CFM @ 100 PSI</th>
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</thead>
<tbody>
<tr>
<td>PORTABLE WHEELED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-085-10 CapStart</td>
<td>3,000+</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>VEHICLE MOUNT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-095-10 CapStart</td>
<td>3,000+</td>
<td>–</td>
<td>–</td>
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</tbody>
</table>

**BATTERY**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>AMPERAGE</th>
<th>AC OUTPUT</th>
<th>CFM @ 100 PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTABLE WHEELED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-213 Boost-All</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>13-223 Boost-All</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>VEHICLE MOUNT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-700 FleetStart</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### CFM Usage Chart

Reference this chart to get a good approximation of the CFM requirements for your tools.

<table>
<thead>
<tr>
<th>AIR TOOL OR EQUIPMENT</th>
<th>AIR CONSUMPTION (CFM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill, 1/16”-3/8”</td>
<td>4 (15%), 6 (25%), 9 (35%)</td>
</tr>
<tr>
<td>Drill, 3/8”-5/8”</td>
<td>5 (15%), 9 (25%), 12 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 1/4”</td>
<td>2 (15%), 4 (25%), 5 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 3/8”</td>
<td>3 (15%), 5 (25%), 7 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 1/2”</td>
<td>5 (15%), 8 (25%), 11 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 5/8”</td>
<td>5 (15%), 8 (25%), 11 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 3/4”</td>
<td>5 (15%), 9 (25%), 12 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 1”</td>
<td>7 (15%), 11 (25%), 16 (35%)</td>
</tr>
<tr>
<td>Impact Wrench, 1-1/4”</td>
<td>8 (15%), 14 (25%), 19 (35%)</td>
</tr>
<tr>
<td>Die Grinder, small</td>
<td>2 (15%), 4 (25%), 5 (35%)</td>
</tr>
<tr>
<td>Die Grinder, medium</td>
<td>4 (15%), 6 (25%), 8 (35%)</td>
</tr>
<tr>
<td>Horizontal Grinder, 2”</td>
<td>5 (15%), 8 (25%), 11 (35%)</td>
</tr>
<tr>
<td>Horizontal Grinder, 4”</td>
<td>9 (15%), 15 (25%), 21 (35%)</td>
</tr>
<tr>
<td>Horizontal Grinder, 6”</td>
<td>11 (15%), 18 (25%), 25 (35%)</td>
</tr>
<tr>
<td>Horizontal Grinder, 8”</td>
<td>12 (15%), 20 (25%), 28 (35%)</td>
</tr>
<tr>
<td>Air Motor, 1 hp</td>
<td>5 (15%), 9 (25%), 12 (35%)</td>
</tr>
<tr>
<td>Air Motor, 2 hp</td>
<td>11 (15%), 18 (25%), 25 (35%)</td>
</tr>
<tr>
<td>Air Motor, 3 hp</td>
<td>14 (15%), 24 (25%), 33 (35%)</td>
</tr>
<tr>
<td>Circular Saw, 8”</td>
<td>7 (15%), 11 (25%), 16 (35%)</td>
</tr>
<tr>
<td>Circular Saw, 12”</td>
<td>10 (15%), 16 (25%), 24 (35%)</td>
</tr>
<tr>
<td>Vertical Disc Sander</td>
<td>20 @ 90-100 psi</td>
</tr>
<tr>
<td>Air Hammer</td>
<td>4 @ 90-100 psi</td>
</tr>
<tr>
<td>Tire Hammer</td>
<td>12 @ 90-100 psi</td>
</tr>
<tr>
<td>Bead Breaker</td>
<td>12 @ 125-150 psi</td>
</tr>
<tr>
<td>Spring Oiler</td>
<td>4 @ 90-100 psi</td>
</tr>
<tr>
<td>Floor Jacks (air powered hydraulic)</td>
<td>6 @ 125-150 psi</td>
</tr>
</tbody>
</table>

Always check with tool manufacturers for actual air consumption. Above is based on averages and should not be considered accurate for any particular make of tool. Above tools are rated based upon typical “on-load” performance characteristics. For other use factors adjust the CFM air consumption on a proportional basis (example: 30 seconds on; 30 seconds off use 50% as use factor). CFM required to operate various pneumatic equipment at a pressure range of 70-90 psi.
START-ALL® BENEFITS

OFTEN IMITATED, NEVER DUPLICATED. THE NAME START-ALL® SAYS IT ALL.

Our Start-All® have been manufactured in the U.S. for over 50 years. We offer 25 models to ensure we have one that will fit your needs. If you require an air compressor or an AC generator, we have 16 models with these integrated capabilities. When you own a Start-All®, you own an industry-leading brand of jump-starting equipment that is well built and reliable, time and time again.

No more costly repairs if your Start-All runs out of gas. All units feature our advanced electronic module.
- Automatically shuts down the unit if it runs out of gas
- Protects even the newest on-board computers
- Uses reverse polarity shutdown protection to prevent damage when cables are improperly connected or reversed

Get the job done while providing good jobs. Our Start-All units are backed by a 50-year tradition of U.S.-focused manufacturing and assembly.
- Assembled with pride by skilled American manufacturers
- American-centered parts sourcing, with a commitment to using only the highest-quality non-American parts when necessary
- Providing quality jobs to U.S. workers since 1939

When the conditions get tough, the tough get Goodall. You don’t work in gentle conditions, so we build our Start-All units with heavy-duty components including heavy-gauged steel base frames and powerful and reliable gas-powered engines—all designed for maximum longevity and durability. You work hard. Why shouldn’t your equipment?

We all want more for less. That’s why our Start-All units are built to last—with minimal maintenance.
- All Start-All units made with low-emission, low-maintenance gas-powered engines
- Built to provide power as long as needed—and fuel is supplied
<table>
<thead>
<tr>
<th>UNIT OUTPUT</th>
<th>12 VOLT STARTING UNITS</th>
<th>12/24 VOLT STARTING UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 VOLT</td>
<td>300 AMPS</td>
<td>300 AMPS</td>
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<tr>
<td></td>
<td>450 AMPS</td>
<td>700 AMPS</td>
</tr>
<tr>
<td></td>
<td>700 AMPS</td>
<td>1,000 AMPS</td>
</tr>
<tr>
<td>24 VOLT</td>
<td>300 AMPS</td>
<td>180 AMPS</td>
</tr>
<tr>
<td></td>
<td>700 AMPS</td>
<td>400 AMPS</td>
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<tr>
<td></td>
<td>1,000 AMPS</td>
<td>600 AMPS</td>
</tr>
<tr>
<td>JUMP STARTING ONLY</td>
<td>11-601</td>
<td>11-610 11-802</td>
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<tr>
<td></td>
<td>11-605</td>
<td>11-618</td>
</tr>
<tr>
<td>JUMP STARTING &amp; 8 CFM AIR</td>
<td>11-602</td>
<td>11-620 11-625M 11-807</td>
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<td>JUMP STARTING &amp; 13 CFM AIR</td>
<td>11-607 11-612</td>
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</tr>
<tr>
<td>JUMP STARTING &amp; 23 CFM AIR</td>
<td>11-920 11-922</td>
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<tr>
<td>JUMP STARTING &amp; 2,750 WATT AC</td>
<td>11-606 11-611</td>
<td></td>
</tr>
<tr>
<td>JUMP STARTING &amp; 13 CFM 2,750 WATT AC</td>
<td>11-608</td>
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<tr>
<td>JUMP STARTING &amp; 23 CFM 6,000 WATT AC</td>
<td>11-920AC</td>
<td></td>
</tr>
</tbody>
</table>

CALL GOODALL AT 800-328-7730 OR E-MAIL INFO@GOODALLMFG.COM FOR HELP WITH YOUR SELECTION.
THE 600 SERIES IS OUR BEST-SELLING COMMERCIAL-GRADE UNIT FOR JUMP STARTING ANY 12 VOLT VEHICLE. CHOOSE FROM 300-700 AMP OUTPUT TO GET YOUR VEHICLES UP AND RUNNING AND ON THE ROAD.

GENERAL FEATURES

- Volt and amp meter to monitor boosting output
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Single DC boosting switch for easy operation
### CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-601</th>
<th>11-605</th>
<th>11-610</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEED</td>
<td><img src="slower.png" alt="Slower" /> → <img src="faster.png" alt="Faster" /></td>
<td><img src="slower.png" alt="Slower" /> → <img src="faster.png" alt="Faster" /></td>
<td><img src="slower.png" alt="Slower" /> → <img src="faster.png" alt="Faster" /></td>
</tr>
<tr>
<td>(Minutes to Start)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STARTS</td>
<td><img src="few.png" alt="Few" /> ← <img src="many.png" alt="Many" /></td>
<td><img src="few.png" alt="Few" /> ← <img src="many.png" alt="Many" /></td>
<td><img src="few.png" alt="Few" /> ← <img src="many.png" alt="Many" /></td>
</tr>
<tr>
<td>(Number of Starts)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>SPEND</td>
<td><img src="s.png" alt="S" /> → <img src="ssss.png" alt="SSSS" /></td>
<td><img src="s.png" alt="S" /> → <img src="ssss.png" alt="SSSS" /></td>
<td><img src="s.png" alt="S" /> → <img src="ssss.png" alt="SSSS" /></td>
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<tr>
<td>(Avg. Cost Per Unit)</td>
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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-601</th>
<th>11-605</th>
<th>11-610</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUMP STARTING</td>
<td>12 volt, 300 amp</td>
<td>12 volt, 450 amp</td>
<td>12 volt, 700 amp</td>
</tr>
<tr>
<td>CABLES</td>
<td>30' 2 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td>CLAMPS</td>
<td>500 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>27” W x 23” D x 24” H 275 lbs.</td>
<td>27” W x 23” D x 24” H 335 lbs.</td>
<td>28” W x 23” D x 26” H 355 lbs.</td>
</tr>
</tbody>
</table>
12/24 Volts Jump Starting

For those who need to get off-road construction equipment, transit buses and other 24 volt powered vehicles up and running even in harsh conditions.

**POWERFUL 12/24 VOLT JUMP STARTING**

**GENERAL FEATURES**

- Volt and amp meter to monitor boosting output
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Single DC boosting switch for easy operation

11-618

11-620
### CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-618</th>
<th>11-620</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEED</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(MINUTES TO START)</td>
<td>SLOWER</td>
<td>FASTER</td>
</tr>
<tr>
<td></td>
<td>SLOWER</td>
<td>FASTER</td>
</tr>
<tr>
<td><strong>STARTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(NUMBER OF STARTS)</td>
<td>FEW</td>
<td>MANY</td>
</tr>
<tr>
<td></td>
<td>FEW</td>
<td>MANY</td>
</tr>
<tr>
<td><strong>SPEND</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| (AVG. COST PER UNIT) | $ | $$$$
|               | $ | $$$$

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-618</th>
<th>11-620</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGINE</strong></td>
<td>Electric Start, Air Cooled Subaru with 1.8 gal. Fuel Tank</td>
<td>Electric Start, Air Cooled Briggs &amp; Stratton Vanguard OHV Gas Powered with 2 gal. Fuel Tank</td>
</tr>
<tr>
<td><strong>JUMP STARTING</strong></td>
<td>12/24 volt, 300/180 amp</td>
<td>12/24 volt, 700/400 amp</td>
</tr>
<tr>
<td><strong>CABLES</strong></td>
<td>30’ 2 ga.</td>
<td>30’ 1/0 ga.</td>
</tr>
<tr>
<td><strong>CLAMPS</strong></td>
<td>500 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>27” W x 23” D x 24” H 275 lbs.</td>
<td>28” W x 23” D x 26” H 365 lbs.</td>
</tr>
</tbody>
</table>
TAKE THE POWER OF OUR BASE JUMP STARTING UNITS AND ADD AIR POWER TO ENHANCE YOUR MOBILE POWER CAPABILITIES. DESIGNED FOR LIGHT- OR MEDIUM-DUTY AIR TOOLS AND APPLICATIONS, THESE UNITS ELIMINATE THE NEED FOR A SEPARATE AIR COMPRESSOR, REDUCING VALUABLE SPACE AND WEIGHT LIMITATIONS ON YOUR SERVICE VEHICLE.

GENERAL FEATURES

- Electric start, air cooled Briggs & Stratton Vanguard OHV gasoline engine with 2 gal. fuel tank
- Single stage air compressor (required air tank sold separately – see pg. 29)
- Volt and amp meter to monitor boosting output
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Single DC boosting switch for easy operation
**Choose Your Power:** Determining Your Output Needs (See Guide on Pg. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-602</th>
<th>11-607</th>
<th>11-612</th>
<th>11-622</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speed (Minutes to Start)</strong></td>
<td>SLOWER</td>
<td>FASTER</td>
<td>SLOWER</td>
<td>FASTER</td>
</tr>
<tr>
<td><strong>Starts (Number of Starts)</strong></td>
<td>FEW</td>
<td>MANY</td>
<td>FEW</td>
<td>MANY</td>
</tr>
<tr>
<td><strong>Spend (Avg. Cost Per Unit)</strong></td>
<td>$</td>
<td>$$$</td>
<td>$</td>
<td>$$$</td>
</tr>
</tbody>
</table>

**Specifications**

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-602</th>
<th>11-607</th>
<th>11-612</th>
<th>11-622</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Jump Starting</strong></td>
<td>12 volt, 300 amp</td>
<td>12 volt, 450 amp</td>
<td>12 volt, 700 amp</td>
<td>12/24 volt, 700/400 amp</td>
</tr>
<tr>
<td><strong>CFM @ 100 PSI</strong></td>
<td>8</td>
<td>13</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td><strong>Cables</strong></td>
<td>30' 2 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td><strong>Clamps</strong></td>
<td>500 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>27&quot; W x 23&quot; D x 24&quot; H 590 lbs.</td>
<td>31&quot; W x 25&quot; D x 26&quot; H 435 lbs.</td>
<td>31&quot; W x 25&quot; D x 29&quot; H 470 lbs.</td>
<td>31&quot; W x 25&quot; D x 29&quot; H 465 lbs.</td>
</tr>
</tbody>
</table>
600 SERIES START-ALL® UNITS 12 & 12/24 Volt Jump Start Units with AC Power

12 & 12/24V JUMP STARTING WITH AC

HEAVY-DUTY POWER FOR HEAVY-DUTY VEHICLES AND EQUIPMENT. THESE UNITS WILL CRANK ENGINES IN COLD WEATHER CLIMATES TIME AND TIME AGAIN—PLUS THE POWER OF AN AC GENERATOR TO RUN POWER TOOLS AND LIGHTS TO ILLUMINATE YOUR WORK SITE.

11-611

GENERAL FEATURES

- Electric start, air cooled Briggs & Stratton Vanguard OHV gasoline engine with 2 gal. fuel tank
- 2,750 watt AC generator, 1 duplex 120 volt, 20 amp GFCI outlet
- 30’ 1/0 ga. welding cable allows flexibility and ease of use
- 1,000 amp full-power clamps allow higher amperage flow
- Volt and amp meter to monitor boosting output
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Single DC boosting switch for easy operation

11-606

11-621
### CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-606</th>
<th>11-611</th>
<th>11-621</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(MINUTES TO START)</td>
<td>SLOWER</td>
<td>FASTER</td>
<td>SLOWER</td>
</tr>
<tr>
<td>STARTS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(NUMBER OF STARTS)</td>
<td>FEW</td>
<td>MANY</td>
<td>FEW</td>
</tr>
<tr>
<td>SPEND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AVG. COST PER UNIT)</td>
<td>$</td>
<td>$$$</td>
<td>$</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-606</th>
<th>11-611</th>
<th>11-621</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUMP STARTING</td>
<td>12 volt, 450 amp</td>
<td>12 volt, 700 amp</td>
<td>12/24 volt, 700/400 amp</td>
</tr>
<tr>
<td>AC OUTPUT</td>
<td>120 volt, 2,750 watt, 60 Hz</td>
<td>120 volt, 2,750 watt, 60 Hz</td>
<td>120 volt, 2,750 watt, 60 Hz</td>
</tr>
<tr>
<td>CABLES</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td>CLAMPS</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>27” W x 23” D x 24” H 360 lbs.</td>
<td>31” W x 25” D x 29” H 425 lbs.</td>
<td>31” W x 25” D x 29” H 425 lbs.</td>
</tr>
</tbody>
</table>
THE 11-608 IS A COMPACT 3-IN-1 START-ALL® COMBINING THE JUMP STARTING CAPABILITIES OF AN 11-605 WITH AN AC GENERATOR AND AIR COMPRESSOR. IDEAL FOR THE MOBILE SERVICE MECHANIC, PROVIDING A SINGLE-SOURCE SOLUTION FOR MULTIPLE POWER APPLICATIONS.

AVAILABLE OPTIONS
(More details on pg. 29)
• 61-130 30 gal. Vertical Mount Air Tank
• 61-131 30 gal. Horizontal Mount Air Tank
• 50-443 12 gal. Horizontal Mount Air Tank

GENERAL FEATURES
• Electric start, air cooled Briggs & Stratton Vanguard OHV gasoline engine with 2 gal. fuel tank
• Single stage air compressor, 13 CFM @ 100 psi, 150 psi max. (required air tank sold separately – see pg. 29)
• 2,750 watt AC generator, 1 duplex 120 volt, 20 amp outlet
• 30' 1/0 ga. welding cable allows flexibility and ease of use
• 1,000 amp full-power clamps allow higher amperage flow
• Volt and amp meter to monitor boosting output
• Single DC boosting switch for easy operation
• Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
• Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas
• Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
• Polarity and low-battery LED indicators confirm proper connections
• Antizap surge protection provides safer boosting
CHOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-608</th>
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<tbody>
<tr>
<td>SPEED</td>
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</tr>
<tr>
<td>(MINUTES TO START)</td>
<td>SLOWER</td>
</tr>
<tr>
<td>STARTS</td>
<td></td>
</tr>
<tr>
<td>(NUMBER OF STARTS)</td>
<td>FEW</td>
</tr>
<tr>
<td>SPEND</td>
<td></td>
</tr>
<tr>
<td>(AVG. COST PER UNIT)</td>
<td>$</td>
</tr>
</tbody>
</table>

LOVE THE UNIT AND ITS CAPABILITIES BUT LOOKING FOR MORE POWER? CHECK OUT THE 11-920AC AND 11-923AC ON PG. 24. IT PROVIDES THE SAME UTILITY USES WITH A BIT MORE JUICE.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-608</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGINE</td>
<td>Electric Start, Air Cooled Briggs &amp; Stratton Vanguard OHV Gas Powered with 2 gal. Fuel Tank</td>
</tr>
<tr>
<td>JUMP STARTING</td>
<td>12 volt, 450 amp</td>
</tr>
<tr>
<td>AC OUTPUT</td>
<td>120 volt, 2,750 watts, 60 Hz</td>
</tr>
<tr>
<td>CFM @ 100 PSI</td>
<td>13</td>
</tr>
<tr>
<td>CABLES</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td>CLAMPS</td>
<td>1,000 amp</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>27&quot; W x 23&quot; D x 24&quot; H, 460 lbs.</td>
</tr>
</tbody>
</table>
12/24V NATO PLUG JUMP STARTING

GOODALL'S MILITARY-RATED START-ALLS® ARE YOUR ANSWER. POWERFUL 12 AND 24 VOLT JUMP STARTING UNITS WITH NATO PLUG WILL KEEP YOUR TROOPS ON THE MOVE.

11-626M

GENERAL FEATURES

- NATO plug is polarity protected and live only in the 24 volt mode
- Electric start, air cooled Briggs & Stratton Vanguard OHV gasoline engine with 2 gal. fuel tank
- 30’ 1/0 ga. welding cable allows flexibility and ease of use
- 1,000 amp full-power clamps allow higher amperage flow
- Volt and amp meter to monitor boosting output
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start-All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start-All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Single DC boosting switch for easy operation
**CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)**

<table>
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<tr>
<th>START-ALL®</th>
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<th>11-626M</th>
<th>11-627M</th>
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<tbody>
<tr>
<td><strong>SPEED</strong>&lt;br&gt;(MINUTES TO START)</td>
<td>SLOWER ← FASTER</td>
<td>SLOWER ← FASTER</td>
<td>SLOWER ← FASTER</td>
</tr>
<tr>
<td><strong>STARTS</strong>&lt;br&gt;(NUMBER OF STARTS)</td>
<td>FEW ← MANY</td>
<td>FEW ← MANY</td>
<td>FEW ← MANY</td>
</tr>
<tr>
<td><strong>SPEND</strong>&lt;br&gt;(AVG. COST PER UNIT)</td>
<td>$ ← $$$</td>
<td>$ ← $$$</td>
<td>$ ← $$$</td>
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**SPECIFICATIONS**

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<th>11-626M</th>
<th>11-627M</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>JUMP STARTING</strong></td>
<td>12/24 volt, 700/400 amp</td>
<td>12/24 volt, 700/400 amp</td>
<td>12/24 volt, 700/400 amp</td>
</tr>
<tr>
<td><strong>AC OUTPUT</strong></td>
<td>–</td>
<td>120 volt, 2,750 watt, 60 Hz</td>
<td>–</td>
</tr>
<tr>
<td><strong>CFM @ 100 PSI</strong></td>
<td>–</td>
<td>–</td>
<td>13</td>
</tr>
<tr>
<td><strong>CABLES</strong></td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td><strong>CLAMPS</strong></td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong>&lt;br&gt;27” W x 23” D x 24” H 375 lbs.</td>
<td>31” W x 25” D x 29” H 450 lbs.</td>
<td>31” W x 25” D x 29” H 485 lbs.</td>
<td></td>
</tr>
</tbody>
</table>
12 & 12/24V JUMP STARTING WITH AIR

11-920
12V

11-923
12 & 24V

THESE BOLT-IN 11-900 SERIES UNITS ARE DESIGNED WITH ALL ENCLOSURES AND GUARDS IN PLACE. FEATURING POWERFUL JUMP STARTING WITH HIGH-VOLUME AIR POWER. DESIGNED SPECIFICALLY FOR HEAVY-DUTY, PROFESSIONAL ROAD AND FIELD SERVICE APPLICATIONS.

GENERAL FEATURES

- Electric start, air cooled Kohler OHV V-Twin gasoline engine (required fuel tank sold separately – see pg. 29)
- Single stage air compressor, 23 CFM @ 100 psi, 150 psi max. (required air tank sold separately – see pg. 29)
- 30’ 1/0 ga. welding cable allows flexibility and ease of use
- 1,000 amp full-power clamps allow higher amperage flow
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Volt and amp meter to monitor boosting output
- Single DC boosting switch for easy operation
CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-920</th>
<th>11-923</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEED</strong> (MINUTES TO START)</td>
<td><img src="slow.png" alt="SLOWER" /></td>
<td><img src="fast.png" alt="FASTER" /></td>
</tr>
<tr>
<td><strong>STARTS</strong> (NUMBER OF STARTS)</td>
<td><img src="few.png" alt="FEW" /></td>
<td><img src="many.png" alt="MANY" /></td>
</tr>
<tr>
<td><strong>SPEND</strong> (AVG. COST PER UNIT)</td>
<td><img src="slow.png" alt="SLOWER" /></td>
<td><img src="fast.png" alt="FASTER" /></td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-920</th>
<th>11-923</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGINE</strong></td>
<td>Electric Start, Air Cooled Kohler OHV V-Twin Gas Powered (Fuel tank required, sold separately – see pg. 29)</td>
<td>Electric Start, Air Cooled Kohler OHV V-Twin Gas Powered (Fuel tank required, sold separately – see pg. 29)</td>
</tr>
<tr>
<td><strong>JUMP STARTING</strong></td>
<td>12 volt, 700 amp</td>
<td>12/24 volt, 700/400 amp</td>
</tr>
<tr>
<td><strong>CFM @ 100 PSI</strong></td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td><strong>CABLES</strong></td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td><strong>CLAMPS</strong></td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>30&quot; W x 40.5&quot; D x 21&quot; H 500 lbs.</td>
<td>30&quot; W x 40.5&quot; D x 21&quot; H 500 lbs.</td>
</tr>
</tbody>
</table>
900 SERIES START-ALL® UNITS  12 & 12/24 Volt Built-In Jump Start Units

12 & 12/24V JUMP STARTING WITH AIR & AC

WITH A CONTROL PANEL DESIGNED TO INTEGRATE INTO A SERVICE BODY, THESE 900 SERIES UNITS MOUNT GAUGES, CONTROLS, OIL FILTER AND DRAIN FOR SAFETY AND EASY OPERATION AND MAINTENANCE.

11-923AC
3 IN 1

Designed to be installed behind the bulkhead in the load space with the control panel remotely-mounted in the first curb side toolbox of the service vehicle for convenience and safety. The panel includes:

- Oil pressure gauge
- Air pressure gauge
- Hourmeter
- Voltmeter
- Ammeter
- DC boosting switch
- Air compressor switch
- Remote oil filter
- Engine oil drain hose

GENERAL FEATURES

- Electric start, air cooled Kohler OHV V-Twin gasoline engine (required fuel tank sold separately – see pg. 29)
- Single stage air compressor, 23 CFM @ 100 psi, 150 psi max. (required fuel tank sold separately – see pg. 29)
- 30’ 1/0 ga. welding cable allows flexibility and ease of use
- 1,000 amp full-power clamps allow higher amperage flow
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics

- Reverse Current Shutdown Protection eliminates expensive repairs to the Start·All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start·All to be turned on if the cables are not hooked up correctly
- Polarity and low-battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting
- Volt and amp meter to monitor boosting output
- Single DC boosting switch for easy operation

Remote AC Control Panel for 11-920AC and 11-923AC.
**CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)**

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-922</th>
<th>11-921</th>
<th>11-920AC</th>
<th>11-923AC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEED</strong>&lt;br&gt;(MINUTES TO START)</td>
<td>SLOWER</td>
<td>FASTER</td>
<td>SLOWER</td>
<td>FASTER</td>
</tr>
<tr>
<td><strong>STARTS</strong>&lt;br&gt;(NUMBER OF STARTS)</td>
<td>FEW</td>
<td>MANY</td>
<td>FEW</td>
<td>MANY</td>
</tr>
<tr>
<td><strong>SPEND</strong>&lt;br&gt;(AVG. COST PER UNIT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-922</th>
<th>11-921</th>
<th>11-920AC</th>
<th>11-923AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUMP STARTING</td>
<td>12 volt, 700 amp</td>
<td>12/24 volt, 700/400 amp</td>
<td>12 volt, 700 amp</td>
<td>12/24 volt, 700/400 amp</td>
</tr>
<tr>
<td>AC OUTPUT</td>
<td>–</td>
<td>–</td>
<td>120/240 volt, 6,000 watt, 60 Hz</td>
<td>120/240 volt, 6,000 watt, 60 Hz</td>
</tr>
<tr>
<td>CFM @ 100 PSI</td>
<td>23</td>
<td>23</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>CABLES</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
<td>30' 1/0 ga.</td>
</tr>
<tr>
<td>CLAMPS</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>30&quot; W x 40.5&quot; D x 21&quot; H 475 lbs.</td>
<td>30&quot; W x 40.5&quot; D x 21&quot; H 475 lbs.</td>
<td>31&quot; W x 40.5&quot; D x 21&quot; H 575 lbs.</td>
<td>31&quot; W x 40.5&quot; D x 21&quot; H 575 lbs.</td>
</tr>
<tr>
<td>COVER KIT*</td>
<td>61-747</td>
<td>61-747</td>
<td>61-748</td>
<td>61-748</td>
</tr>
</tbody>
</table>

* Sheet metal cover kit for generators and belts

Illustration depicts typical installation of built-in 11-900 units. All 11-900 Series installations must be approved by the factory prior to ordering to assure proper air flow, heat dissipation and weather resistance. The installer is responsible for providing all guards and enclosures that ensure proper air flow, heat dissipation, weather resistance and operator safety from moving parts.
800 SERIES START-ALL® UNITS 12 & 12/24 Volt Hydraulically Powered Jump Starters

12 & 12/24V JUMP STARTING

11-811

GOODALL’S HYDRAULICALLY POWERED 800 SERIES UNITS ARE LOW PROFILE, POWERFUL AND PERFECT FOR MOUNTING ON TRUCKS EQUIPPED WITH AN UNDER-THE-HOOD OR PTO HYDRAULIC PUMP. THESE COMPACT UNITS CAN BE MOUNTED IN COMPACT SIDE PACKS AND DO NOT REQUIRE ADDITIONAL GASOLINE.

Cover options will vary depending on installation. Contact Goodall for more information.

11-802

GENERAL FEATURES

• Minimum hydraulic requirements: 35 gal. hydraulic tank, 3/4” pressure hose, 1” return hose
• 30’ 1/0 ga. welding cable allows flexibility and ease of use
• 1,000 amp full-power clamps allow higher amperage flow
• Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
• Reverse Current Shutdown Protection eliminates expensive repairs to the Start•All if the unit runs out of gas

11-807

• Reverse Polarity Protection will not allow the Start•All to be turned on if the cables are not hooked up correctly
• Polarity and low-battery LED indicators confirm proper connections
• Antizap surge protection provides safer boosting
• Volt and amp meter to monitor boosting output
• Single DC boosting switch for easy operation
### Choose Your Power: Determining Your Output Needs (See Guide on Pg. 5)

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-802</th>
<th>11-807</th>
<th>11-811</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speed</strong> (Minutes to Start)</td>
<td><img src="slower.png" alt="Slower" /> Fast</td>
<td><img src="slower.png" alt="Slower" /> Fast</td>
<td><img src="slower.png" alt="Slower" /> Fast</td>
</tr>
<tr>
<td><strong>Starts</strong> (Number of Starts)</td>
<td>Few</td>
<td>Many</td>
<td>Few</td>
</tr>
<tr>
<td><strong>Spend</strong> (Avg. Cost Per Unit)</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>START-ALL®</th>
<th>11-802</th>
<th>11-807</th>
<th>11-811</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hydraulic Requirements</strong></td>
<td>15 gpm @ 2,500 psi</td>
<td>15 gpm @ 2,500 psi</td>
<td>25 gpm @ 2,500 psi</td>
</tr>
<tr>
<td><strong>Jump Starting</strong></td>
<td>12 volt, 700 amp</td>
<td>12/24 volt, 700/400 amp</td>
<td>12/24 volt, 1,000/600 amp</td>
</tr>
<tr>
<td><strong>Cables</strong></td>
<td>30’ 1/0 ga.</td>
<td>30’ 1/0 ga.</td>
<td>30’ 1/0 ga.</td>
</tr>
<tr>
<td><strong>Clamps</strong></td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>36” W x 18” D x 12” H 275 lbs.</td>
<td>36” W x 18” D x 12” H 275 lbs.</td>
<td>48” W x 20” D x 12” H 425 lbs.</td>
</tr>
</tbody>
</table>

Goodall’s 11-811 is built with 6 generators giving you that extra boost for tough jobs.
UPDATE YOUR OLD TWO-CABLE 716 OR 718 START-ALL®

TECHNOLOGY CHANGES AND SO DO WE. GOODALL'S UPGRADE KITS COME COMPLETE WITH REVERSE CURRENT PROTECTION, ELIMINATING EXPENSIVE REPAIRS TO YOUR START-ALL IF THE UNIT RUNS OUT OF GAS, AND OUR ADVANCED VOLTAGE REGULATION.

Get the benefit of reverse current protection to keep your generators safe and advanced voltage regulation for today's sensitive vehicle electronics. Our Upgrade Kits provide simple operation with all the controls and instructions in one location. You'll prefer the simplicity of full-power boosting through one set of cables.

UPGRADE KITS INCLUDE:

- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the Start-All if the unit runs out of gas
- Reverse Polarity Protection will not allow the Start-All to be turned on if the cables are not hooked up correctly
- 30' 1/0 cable with 1,000 amp clamps with full-power jaws and polarity indicator
- All-internal wiring, solenoids and switches
- Volt and amp meters
- Instructions and wiring diagram

NO MORE COSTLY REPAIRS TO YOUR START-ALL® IF IT RUNS OUT OF GAS

Our voltage control module prevents the generator damage that may occur if a Start-All runs out of gas while connected to fully charged batteries.

- **61-784 Kit** For 11-620 Start-All
- **61-785 Kit** For 11-610 Start-All
- **61-786 Kit** For 11-922 Start-All

Upgrades two 2-wire voltage controls to single 6-wire regulator with run-out-of-gas protection

- **61-812 Kit** For 11-712 Start-All
- **61-813 Kit** For 11-708 Start-All

Upgrades no voltage control and 2-wire voltage controls to a single 6-wire regulator with run-out-of-gas protection

UPGRADE KITS ARE AVAILABLE FOR ALL START ALLS. CONTACT GOODALL FOR SPECIFIC APPLICATION DETAILS.
**PRODUCT ACCESSORIES**  Make your equipment even *more* efficient

### REMOTE MOUNT FUEL TANKS

<table>
<thead>
<tr>
<th>Tank Type</th>
<th>Capacity</th>
<th>Dimensions</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>280-006 Fuel Tank</td>
<td>6 gal.</td>
<td>15” W x 8.5” D x 12.25” H</td>
<td>EPA certified</td>
</tr>
<tr>
<td>280-264 Fuel Tank</td>
<td>13 gal.</td>
<td>42” W x 7” D x 20” H</td>
<td>EPA certified</td>
</tr>
<tr>
<td>280-255 Fuel Tank</td>
<td>6 gal.</td>
<td>29” W x 4” D x 20” H</td>
<td>EPA certified</td>
</tr>
<tr>
<td>280-283 Fuel Tank</td>
<td>8 gal.</td>
<td>20” W x 6” D x 19” H</td>
<td>EPA certified</td>
</tr>
</tbody>
</table>

### AIR TANKS

<table>
<thead>
<tr>
<th>Tank Type</th>
<th>Capacity</th>
<th>Dimensions</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-130 Air Tank, Vertical Mount</td>
<td>30 ga.</td>
<td>19” x 41”</td>
<td>ASME certified</td>
</tr>
<tr>
<td>61-131 Air Tank, Horizontal Mount</td>
<td>6 ga.</td>
<td>19” x 41”</td>
<td>ASME certified</td>
</tr>
<tr>
<td>50-443 Air Tank, Horizontal Mount</td>
<td>12 ga.</td>
<td>14” x 26”</td>
<td>ASME certified</td>
</tr>
</tbody>
</table>

### PLUG-ENDED BOOSTER CABLES

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Length</th>
<th>Gauge</th>
<th>Plug Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>70-441</td>
<td>30’</td>
<td>1/0</td>
<td>with Red Plug</td>
</tr>
<tr>
<td>70-444</td>
<td>50’</td>
<td>1/0</td>
<td>with Red Plug</td>
</tr>
</tbody>
</table>

### WELDING CABLE SETS

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Length</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>350-043</td>
<td>25'</td>
<td>1/0</td>
</tr>
<tr>
<td>350-056</td>
<td>50’</td>
<td>1/0</td>
</tr>
</tbody>
</table>

### 61-744 CABLE STORAGE RACK

- For easy storage of Start•All cables
- Attaches to service vehicles
- 19” length

### PLUG-ENDED BOOSTER CABLES

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Length</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>70-444</td>
<td>30’</td>
<td>1/0</td>
</tr>
<tr>
<td>350-056</td>
<td>50’</td>
<td>1/0</td>
</tr>
</tbody>
</table>

### 61-742 In Line Battery Box

- Holds (2) Group 31 batteries
- 31” L x 10” D x 13.5” H

### 13-444 Square Battery Box

- Holds (4) Group 31 batteries
- 28” L x 24” D x 14” H

### 13-438 Replacement Battery Pack

- Includes (4) Group 31 AGM batteries
- Connecting cables
- Battery Box (13-450)

### CANVAS COVERS

<table>
<thead>
<tr>
<th>Cover Type</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-739</td>
<td>For 11-708 model</td>
<td></td>
</tr>
<tr>
<td>61-743</td>
<td>For all 11-600 Series models</td>
<td></td>
</tr>
<tr>
<td>61-760</td>
<td>For Goodall Power Center 1000 Series</td>
<td></td>
</tr>
</tbody>
</table>

### BUMPER BOX WITH PLUG

- For service trucks
- Stainless steel
- 12’ of cable (other lengths available)
- Comes with 71-402 Red Plug

<table>
<thead>
<tr>
<th>Plug Type</th>
<th>Length</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-296</td>
<td>12’</td>
<td>1/0</td>
</tr>
<tr>
<td>12-297</td>
<td>12’</td>
<td>2/0</td>
</tr>
</tbody>
</table>

### 61-185 FUEL PUMP SAFETY KIT

- Option to be used with any of the 11-900 Series Start•All units
- Will shut down gas pump when Start•All engine is not running
The FleetStart jump start unit quickly delivers the energy to start a vehicle instantly. It’s ideal for heavy-duty jump starting of vehicles with multiple batteries that have either positive engagement starters or gear reduction starters. The FleetStart will keep your semi-trucks and heavy-duty vehicles on the go. The FleetStart is able to start multiple vehicles before recharging, which means your fleet gets moving without delay.

While similar in appearance to a box of four Group 31 batteries, FleetStart is designed with integrated electronics to manage jump start voltages and designed with remote-switch operation for single-person use.

FleetStart® is designed for heavy-duty vehicles that meet SAE J1455 specifications. Every FleetStart® comes fully equipped with a 25’ remote switch for single operator use.

The FleetStart jump start unit quickly delivers the energy to start a vehicle instantly. It’s ideal for heavy-duty jump starting of vehicles with multiple batteries that have either positive engagement starters or gear reduction starters. The FleetStart will keep your semi-trucks and heavy-duty vehicles on the go. The FleetStart is able to start multiple vehicles before recharging, which means your fleet gets moving without delay.

While similar in appearance to a box of four Group 31 batteries, FleetStart is designed with integrated electronics to manage jump start voltages and designed with remote-switch operation for single-person use.

**GET BACK ON THE ROAD FASTER**

**GENERAL FEATURES**

- Microprocessor controlled
- Batteries are non-gassing, non-leaking and maintenance free
- Batteries are charged by the vehicle’s electrical system or by the built-in 120 volt AC fully automatic charger
- Includes Reverse Polarity and Dead Short Circuity Protection
- Quick-disconnect red plug for plug-to-plug operation
- Includes full-power jaw clamps with 30’, 4/0 cable
- Remote switch with 25’ coiled cord
- 44” W x 20” D x 14” H, 270 lbs.
**CHOOSE YOUR POWER:** DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>FLEETSTART®</th>
<th>13-700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEED</strong> (MINUTES TO START)</td>
<td>![Speed Chart]</td>
</tr>
<tr>
<td><strong>STARTS</strong> (NUMBER OF STARTS)</td>
<td>![Starts Chart]</td>
</tr>
<tr>
<td><strong>SPEND</strong> (AVG. COST PER UNIT)</td>
<td>![Spend Chart]</td>
</tr>
</tbody>
</table>

As much as we try to avoid it, sometimes a vehicle just doesn’t start. Time is money and you need fast, efficient jump starting power on demand.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FLEETSTART®</th>
<th>13-700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER SOURCE</strong></td>
<td>Microprocessor-Controlled Batteries</td>
</tr>
<tr>
<td><strong>JUMP STARTING</strong></td>
<td>12 volt, Electronically Controlled</td>
</tr>
<tr>
<td><strong>CABLES</strong></td>
<td>30’ 4/0 ga.</td>
</tr>
<tr>
<td><strong>CLAMPS</strong></td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>44” W x 20” D x 14” H</td>
</tr>
<tr>
<td></td>
<td>270 lbs.</td>
</tr>
</tbody>
</table>
A JUMP STARTING SOLUTION FOR REPAIR SHOPS, PARKING LOTS AND GARAGES. WHILE NOT DESIGNED FOR CONTINUOUS JUMP STARTS, BOOST-ALL® OFFER ECONOMY WITHOUT SKIMPING ON QUALITY. THESE UNITS PROVIDE 12 OR 12/24 VOLT BATTERY-POWERED JUMP STARTING IN A NARROW 20”-WIDE PORTABLE UNIT WHICH MAKES MANEUVERING BETWEEN ROWS OF PARKED VEHICLES A SNAP.

GENERAL FEATURES

- Fully automatic internal AC charger to keep battery in ready-to-use condition
- Extra-large pneumatic tires for easy mobility and navigating rough terrain
- Voltmeter to monitor battery charge level of the Boost·All or disabled vehicle
- Requires two Group 31 AGM batteries, 3/8” threaded top post, 900 CCA or higher (not included)

Narrow 20” width fits easily between parked vehicles.

Plug it in and leave it plugged in. Ready when you need it. Integrated, fully-automatic 120 volt AC charger.
**CHOOSE YOUR POWER:** DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>BOOST-ALL®</th>
<th>13-213</th>
<th>13-214</th>
<th>13-223*</th>
<th>13-224**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEED</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(MINUTES TO START)</td>
<td>SLOWER</td>
<td>FASTER</td>
<td>SLOWER</td>
<td>FASTER</td>
</tr>
<tr>
<td><strong>STARTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(NUMBER OF STARTS)</td>
<td>FEW</td>
<td>MANY</td>
<td>FEW</td>
<td>MANY</td>
</tr>
<tr>
<td><strong>SPEND</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AVG. COST PER UNIT)</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>BOOST-ALL®</th>
<th>13-213</th>
<th>13-214</th>
<th>13-223*</th>
<th>13-224**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER SOURCE</strong></td>
<td>2 Group 31 AGM Batteries</td>
<td>2 Group 31 AGM Batteries</td>
<td>2 Group 31 AGM Batteries</td>
<td>2 Group 31 AGM Batteries</td>
</tr>
<tr>
<td><strong>JUMP STARTING</strong></td>
<td>12 volt</td>
<td>12/24 volt</td>
<td>12 volt</td>
<td>12/24 volt</td>
</tr>
<tr>
<td><strong>CABLES</strong></td>
<td>10' 1/0 ga.</td>
<td>10' 1/0 ga.</td>
<td>10' 4/0 ga.</td>
<td>10' 4/0 ga.</td>
</tr>
<tr>
<td><strong>CLAMPS</strong></td>
<td>800 amp</td>
<td>800 amp</td>
<td>1,000 amp Full Power</td>
<td>1,000 amp Full Power</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>20&quot; W x 26&quot; D x 48&quot; H 190 lbs.</td>
<td>20&quot; W x 26&quot; D x 48&quot; H 190 lbs.</td>
<td>44&quot; W x 20&quot; D x 14&quot; H 250 lbs.</td>
<td>44&quot; W x 20&quot; D x 14&quot; H 250 lbs.</td>
</tr>
</tbody>
</table>

* Canadian market use 13-223C  ** Canadian market use 13-224C
12/24V JUMP STARTING

13-435

DESIGNED TO BE MOUNTED ON YOUR SERVICE VEHICLE WITH 2 OR 4 AUXILIARY JUMP STARTING BATTERIES FOR STARTING 12 OR 24 VOLT VEHICLES. AUXILIARY BATTERIES ARE CHARGED FROM THE SERVICE VEHICLE’S ELECTRICAL SYSTEM BY USING THE INTERNALLY MOUNTED BATTERY SEPARATOR.

13-430  SUPER BOOST•ALL KIT
12 & 24 volt, 2 ga. cable & clamps
Control box, battery box, batteries, battery separator, connecting cables

13-434  SUPER BOOST•ALL KIT
12 & 24 volt, 1/0 ga. cable & clamps
Control box, battery box, batteries, battery separator, connecting cables

13-435  SUPER BOOST•ALL KIT
12 & 24 volt, 2/0 ga. cable & clamps
Control box, battery box, batteries, battery separator, connecting cables

13-438 Replacement Battery Pack
Includes 4 Group 31 batteries, connecting cables, battery box (13-450)

13-430  SUPER BOOST•ALL KIT
12 & 24 volt, 2 ga. cable & clamps
Control box, battery box, batteries, battery separator, connecting cables

13-434  SUPER BOOST•ALL KIT
12 & 24 volt, 1/0 ga. cable & clamps
Control box, battery box, batteries, battery separator, connecting cables

13-435  SUPER BOOST•ALL KIT
12 & 24 volt, 2/0 ga. cable & clamps
Control box, battery box, batteries, battery separator, connecting cables

INDIVIDUAL COMPONENTS

13-420 Control Box for Super Boost•All
25’ 2 ga. cable & clamp assembly
with battery separator

13-424 Control Box for Super Boost•All
25’ 1/0 ga. cable & clamp assembly
with battery separator

13-425 Control Box for Super Boost•All
25’ 2/0 ga. cable & clamp assembly
with battery separator

13-480  SUPER-SAFE BOOST•ALL
Similar to our standard Super Boost•All, this version offers all the same features along with the following enhancements (only available in 12 volt configuration):

Main power ON/OFF switch
No power is allowed until the switch is turned on and the clamps are connected correctly.

Load sensing to trigger fast idle on service vehicle which allows increased jump starting power
When jump starting power is being drawn, a signal is sent to the service vehicle.

Reverse Polarity Protection
Will not allow power to be turned on unless the clamps are connected correctly.

Dead short and open clamp protection
Will not allow the power to be turned on unless the clamps are connected correctly.
CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>SUPER BOOST-ALL®</th>
<th>13-420</th>
<th>13-424</th>
<th>13-425</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEED</strong> (MINUTES TO START)</td>
<td>SLOWER ➔ FASTER</td>
<td>SLOWER ➔ FASTER</td>
<td>SLOWER ➔ FASTER</td>
</tr>
<tr>
<td><strong>STARTS</strong> (NUMBER OF STARTS)</td>
<td>FEW ➔ MANY</td>
<td>FEW ➔ MANY</td>
<td>FEW ➔ MANY</td>
</tr>
<tr>
<td><strong>SPEND</strong> (AVG. COST PER UNIT)</td>
<td>$ ➔ $$$</td>
<td>$ ➔ $$$</td>
<td>$ ➔ $$$</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>SUPER BOOST-ALL®</th>
<th>13-420</th>
<th>13-424</th>
<th>13-425</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER SOURCE</strong></td>
<td>2 or 4 Auxiliary Jump Starting Batteries</td>
<td>2 or 4 Auxiliary Jump Starting Batteries</td>
<td>2 or 4 Auxiliary Jump Starting Batteries</td>
</tr>
<tr>
<td><strong>CABLES</strong></td>
<td>25' 2 ga.</td>
<td>25' 1/0 ga.</td>
<td>25' 2/0 ga.</td>
</tr>
<tr>
<td><strong>CLAMPS</strong></td>
<td>1,000 amp</td>
<td>1,000 amp</td>
<td>1,000 amp</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>10&quot; W x 12&quot; D x 10&quot; H 45 lbs. (w/o batteries)</td>
<td>10&quot; W x 12&quot; D x 10&quot; H 53 lbs. (w/o batteries)</td>
<td>10&quot; W x 12&quot; D x 10&quot; H 60 lbs. (w/o batteries)</td>
</tr>
</tbody>
</table>

Output dependent on number of auxiliary batteries.
See pg. 29 for battery box options.
DO YOU HAVE EXTREME JUMP STARTING NEEDS? THE CAPSTART® IS DESIGNED TO START HEAVY-DUTY VEHICLES INSTANTLY. THIRTY HEAVY-DUTY CATERPILLAR DOZERS IN BELOW-ZERO TEMPERATURES? TWENTY TRANSIT BUSES ON A BONE-CHILLING MORNING? A FLEET OF SCHOOL BUSES? THE CAPSTART® GENERATES MORE THAN 3,000 AMPS OF POWER TO JUMP START JUST ABOUT ANYTHING QUICKLY AND SAFELY, REGARDLESS OF TEMPERATURE AND VEHICLE SIZE.

**PORTABLE CAPSTART**

**13-085-10** 12 volt  13-087-10 24 volt

- Powercells are charged by the built-in 120 volt AC fully-automatic charger.
- Narrow 20” width fits easily between parked vehicles.

**13-095-10**

**VEHICLE-MOUNTED CAPSTART**

Goodall’s CapStart comes in a convenient vehicle-mount option. Mount in the rear of a pickup truck or between the side packs of a service vehicle to provide hundreds of thousands of jump starts.

**13-095-10** 12 volt  13-097-10 24 volt

- Powercells are charged by the vehicle’s electrical system or built-in 120 volt AC fully-automatic charger.
- Shop Cart available

**GENERAL FEATURES**

- Available in 12 or 24 volt models
- Capacitor can be re-charged 500,000 times, providing many years of service and can be recharged in under one minute
- Powercells are non-gassing, non-leaking, and maintenance free
- Operating temperature range: -49°F to +122°F
- Quick-disconnect red plug for plug-to-plug operation
- Includes reverse polarity and dead short circuitry protection
### CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>CAPSTART®</th>
<th>PORTABLE 13-085-10</th>
<th>PORTABLE 13-087-10</th>
<th>MOUNTED 13-095-10</th>
<th>MOUNTED 13-097-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEED (MINUTES TO START)</td>
<td>SLOWER ➔ FASTER</td>
<td>SLOWER ➔ FASTER</td>
<td>SLOWER ➔ FASTER</td>
<td>SLOWER ➔ FASTER</td>
</tr>
<tr>
<td>STARTS (NUMBER OF STARTS)</td>
<td>FEW ➔ MANY</td>
<td>FEW ➔ MANY</td>
<td>FEW ➔ MANY</td>
<td>FEW ➔ MANY</td>
</tr>
<tr>
<td>SPEND (AVG. COST PER UNIT)</td>
<td>$ ➔ $$$</td>
<td>$ ➔ $$$</td>
<td>$ ➔ $$$</td>
<td>$ ➔ $$$</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>CAPSTART®</th>
<th>PORTABLE 13-085-10</th>
<th>PORTABLE 13-087-10</th>
<th>MOUNTED 13-095-10</th>
<th>MOUNTED 13-097-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER SOURCE</td>
<td>Super Capacitor &amp; 2 Batteries</td>
<td>Super Capacitor &amp; 2 Batteries</td>
<td>Super Capacitor &amp; 3 Batteries</td>
<td>Super Capacitor &amp; 3 Batteries</td>
</tr>
<tr>
<td>JUMP STARTING</td>
<td>12 volt</td>
<td>24 volt</td>
<td>12 volt</td>
<td>24 volt</td>
</tr>
<tr>
<td>CABLES</td>
<td>10’ 4/0 ga.</td>
<td>10’ 4/0 ga.</td>
<td>26’ 4/0 ga.</td>
<td>26’ 4/0 ga.</td>
</tr>
<tr>
<td>CLAMPS</td>
<td>1,000 amp Full Power</td>
<td>1,000 amp Full Power</td>
<td>1,000 amp Full Power</td>
<td>1,000 amp Full Power</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>20” W x 26” D x 48” H 190 lbs.</td>
<td>20” W x 26” D x 48” H 190 lbs.</td>
<td>44” W x 20” D x 14” H 250 lbs.</td>
<td>44” W x 20” D x 14” H 250 lbs.</td>
</tr>
</tbody>
</table>
GOODALL POWER CENTERS (GPC) ARE ALL-IN-ONE, MULTI-FUNCTION PRODUCTS DESIGNED TO MEET THE NEEDS OF TODAY’S MOBILE SERVICE MECHANICS. THESE UNITS ARE ENGINEERED TO REDUCE THE AMOUNT OF SPACE NECESSARY TO FIT IN MOST SERVICE VEHICLES (BY 50% IN MANY CASES AND REDUCING WEIGHT BY 30% TO COMPARABLE SEPARATE COMPONENTS). IF YOU ARE A FIELD SERVICE MECHANIC, THE GOODALL POWER CENTER IS YOUR ANSWER TO ON-DEMAND MOBILE POWER.

- **DC Welder**: Perfect for repair welding and light fabrication
- **Air Compressor**: Fill tires or run air tools (i.e. impact wrenches, ratchets, grinders, nailers, etc.)
- **AC Generator**: Run power tools (i.e. saws, drills, grinders, lights, sanders, etc.)
“THE GOODALL POWER CENTER IS ONE OF THE BEST TOOLS WE HAVE. AS A SUPERINTENDENT OF A PUBLIC WORKS DIVISION, I NEED TO DO MORE WITH LESS. THE GOODALL UNIT GIVES ME THE ABILITY TO DO THAT. NO MORE TOWING A COMPRESSOR OR WELDER. THE UNIT TAKES UP THE SPACE THAT A NORMAL-SIZED WELDING UNIT WOULD, BUT IT INCLUDES AN AC GEN-SET AND A COMPRESSOR. THANKS FOR BUILDING A GREAT TOOL THAT IS VIRTUALLY TROUBLE FREE AND VERY LOW MAINTENANCE TOO!”

—JOE TAGLIABOSCHI, YOLO COUNTY

1000 SERIES: POWERFUL, OPEN-AIR, 3-IN-1 POWER CENTERS
Available as a complete tank-mount unit or as a base-mount unit with remote air tank, the 1100 Series is a downtime destroyer. Up to 10,000 watt AC generator, 16-29 CFM compressor and DC stick welder make this compact unit a must-have for the on-the-go mobile service technician. And the open-air design make parts easily accessible for maintenance and repair.

2000 SERIES: VERSATILE, ENCLOSED, 3-IN-1 POWER CENTERS
Take multiple components for multiple service functions, put them in one box, from one manufacturer, and you have the 2000 Series Power Centers. Gas or hydraulically powered, these mobile work stations give you DC stick welding power, up to 6000 watts of AC power and up to 24 cfm air power to keep you on the job and in the field.

5000 SERIES: THE ULTIMATE MOBILE SERVICE CENTER
Add jump starting to our already feature-rich line of Power Centers and you have the only product in the market that provides true 4-in-1 mobile service tech capabilities. Powerful 12/24 volt jump starting, a 23 cfm CFM air compressor, DC stick welding, and up to 6,000 watts of AC power to provide you with all the features and function to get the job done anytime, anywhere.
4-IN-1 POWER CENTER

THE GPC 5000 IS THE WORKHORSE OF THE POWER CENTER LINE. IT’S A 4-IN-1 SYSTEM THAT COMBINES AC GENERATOR, AIR COMPRESSOR, WELDER AND START-ALL® JUMP STARTING SYSTEM ALL IN ONE EASY-TO-INSTALL PACKAGE.

GENERAL FEATURES

Engine
- Electric start, air cooled Kohler Command OHV V-Twin
- Includes 6 gal. EPA compliant side mount fuel tank (removeable)
- For CARB-compliant unit, contact customer service

DC Welding
- DC Stick, 250 amp
- 25' 1/0 gauge welding cables included

AC Power
- 6,000 watt (while not welding)
- Synchronous, brushless AC generator
- Outlets: 1 - 120 volt, 20 amp duplex, 1 - 120 volt, 30 amp twist lock, 1 - 240 volt, 20 amp twist lock

Air Power (Air tank required, sold separately. See options on page 23.)
- 23 CFM rated at 100 psi, 150 psi max.
- Air gauge on control panel monitors air tank pressure

Jump Starting
- 12 volt, 700 amp; 24 volt, 400 amp
- 30' 1/0 ga. welding cable allows flexibility and ease of use
- 1,000 amp full-power clamps allow higher amperage flow
- Voltage Control provides regulated voltage that is safe for vehicles and on-board electronics
- Reverse Current Shutdown Protection eliminates expensive repairs to the GPC if the unit runs out of gas
- Reverse Polarity Protection will not allow the GPC to be turned on if the cables are not hooked up correctly
- Polarity and low battery LED indicators confirm proper connections
- Antizap surge protection provides safer boosting

Control Panel
- Plug and play feature for easy remote mounting
- Requires extension harness for distances beyond 12"
- Control Box Dimensions: 18” W x 5” D x 12” H, bottom of unit to bottom to control box is 12"
- Easy access to all control functions:
  1) AC power outlets
  2) Welding controls and ports
  3) Air compressor controls and gauge
  4) Engine controls and hour meter
  5) Jump starting controls with quick plug connector

Installation
- Compact and clean installation
- Installation time is reduced and simplified with easy bolt-in packages (compared with separate components)
CHOOSE YOUR POWER: DETERMINING YOUR OUTPUT NEEDS (SEE GUIDE ON PG. 5)

<table>
<thead>
<tr>
<th>JUMP STARTING</th>
<th>05-000</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEED (MINUTES TO START)</td>
<td>SLOWER</td>
</tr>
<tr>
<td>STARTS (NUMBER OF STARTS)</td>
<td>FEW</td>
</tr>
</tbody>
</table>
| SPEND (AVG. COST PER UNIT) | $ | $$$$

5000 SERIES OPTIONS & ACCESSORIES

- **950-087** 6’ Control Panel Harness
- **950-088** 12’ Control Panel Harness
- **950-153** 18’ Control Panel Harness
- **250-022L** 13 gal. EPA-certified, Rear Mount Fuel Tank Upgrade (factory installed) from standard 6 gal. side mount. For CARB compliance, contact customer service.
- **350-087** 50’ Welding Cable Upgrade
- **450-044** 50’ Boosting Cable Upgrade
- **550-056** 30 CFM Air Compressor Upgrade
- **61-130** 30 gal. Vertical Mount Air Tank
- **61-131** 30 gal. Horizontal Mount Air Tank
- **50-443** 12 gal. Horizontal Mount Air Tank

SPECIFICATIONS

<table>
<thead>
<tr>
<th>POWER CENTER</th>
<th>05-000</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGINE</td>
<td>20 hp Kohler V-Twin</td>
</tr>
<tr>
<td>JUMP STARTING</td>
<td>12/24 volt, 700 amp</td>
</tr>
<tr>
<td>WELDING OUTPUT</td>
<td>250 amp</td>
</tr>
<tr>
<td>AC OUTPUT</td>
<td>120 volt, 6000 watt, 60 Hz</td>
</tr>
<tr>
<td>CFM @ 100 PSI</td>
<td>23 (30 optional)</td>
</tr>
<tr>
<td>CABLES</td>
<td>30’ 1/0 ga. Jump Starting Cables / 25’ 1/0 ga. Welding Cables</td>
</tr>
<tr>
<td>CLAMS</td>
<td>1,000 amp Full Power</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>38” W x 50” D x 25” H 850 lbs.</td>
</tr>
</tbody>
</table>
POWER CENTERS  Welder, AC generator & air compressor units

3-IN-1 POWER CENTER

02-150

NOT SURE HOW TO FIT MULTIPLE PIECES OF EQUIPMENT ON YOUR SERVICE VEHICLE AND HAVE ANY LOAD CARRYING CAPACITY LEFT? AIR COMPRESSOR? WELDING? AC POWER? HOW ABOUT A 3-IN-1 COMPACT WORKHORSE UNIT?

GOODALL POWER CENTERS DELIVER SPACE-SAVING POWER FOR SERVICE VEHICLES TO GET YOUR REPAIR WORK DONE QUICKLY AND EFFICIENTLY.

GENERAL FEATURES

Engine
• Electric start, air-cooled Kohler Command OHV V-Twin
• Includes 8 gal. EPA-certified fuel tank (removable)
• For CARB compliance contact customer service
• Optional hydraulically powered unit available

DC Welding
• DC Stick 250 amp
• 25' 1/0 gauge welding cables included

AC Power
• 6,000 watt, 60 Hz (while not welding)
• Outlets: one 120 volt, 20 amp duplex outlet; one 120 volt, 30 amp twist lock outlet; one 240 volt, 20 amp twist lock outlet

Air Power
• 2-stage 24 CFM @ 100 psi, 150 psi max.
• Air gauge on control panels monitors air tank pressure (Air tank required, sold separately. See options below.)

OPTIONS & ACCESSORIES

Goodall Power Center 2050:
950-085  6’ Control Panel Harness
950-086  12’ Control Panel Harness
950-154  18’ Control Panel Harness

Goodall Power Center 2150:
950-080  6’ Control Panel Harness
950-081  12’ Control Panel Harness
950-155  18’ Control Panel Harness

02-500
HYDRAULIC POWERED

02-500

50’ Welding Cable Upgrade
61-130  30 gal. Vertical Mount Air Tank
61-131  30 gal. Horizontal Mount Air Tank
50-443  12 gal. Horizontal Mount Air Tank
990-200 Factory-Installed Stand and 30 gal. Air Tank Kit
Installation

- Compact, easy installation in less time with simple bolt-in packages
- Center-point lift included for easy installation
- Standard remote mount control box
- GPC can be mounted on top of toolbox with the control box remotely mounted in a side compartment.

Control Panel

- Plug and play feature for easy remote mounting
- Requires extension harness for distances beyond 12”
- Control Box Dimensions: 18” W x 5” D x 12” H, bottom of unit to bottom to control box is 12”
- Easy access to all control functions:
  1. AC power outlets
  2. Engine controls and hour meter
  3. Air compressor controls and gauge
  4. Welding controls and ports

SPECIFICATIONS

<table>
<thead>
<tr>
<th>POWER CENTER</th>
<th>02-050</th>
<th>02-150*</th>
<th>02-500**</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGINE</td>
<td>Electric Start, Kohler Command OHV V-Twin</td>
<td>Electric Start, Kohler Command OHV V-Twin</td>
<td>10 GPM @ 2500 psi - 15 GPM @ 3000 psi tandem pump</td>
</tr>
<tr>
<td>WELDING OUTPUT</td>
<td>250 amp</td>
<td>250 amp</td>
<td>250 amp</td>
</tr>
<tr>
<td>AC OUTPUT</td>
<td>120/240 volt, 6,000 watt, 60 Hz</td>
<td>120/240 volt, 6,000 watt, 60 Hz</td>
<td>120/240 volt, 6,000 watt, 60 Hz</td>
</tr>
<tr>
<td>CFM @ 100 PSI</td>
<td>24</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>CABLES</td>
<td>25’ 1/0 ga. Welding Cables</td>
<td>25’ 1/0 ga. Welding Cables</td>
<td>25’ 1/0 ga. Welding Cables</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>20” W x 53.5” D x 25” H 625 lbs.</td>
<td>20” W x 48” D x 25” H 640 lbs.</td>
<td>20” W x 48” D x 25” H 545 lbs.</td>
</tr>
</tbody>
</table>

*Equipped with auto-idle feature.
**35 ga. (minimum) hydraulic tank, requires (2) 3/4” pressure lines (minimum), 1” return hose (minimum); 12’ control panel harness standard
1000 SERIES POWER CENTERS

WHEN IT COMES TO OUR 1000 SERIES POWER CENTERS, THERE ARE SEVERAL OPTIONS. BASED ON YOUR LOAD NEEDS, DECIDE HOW MUCH POWER YOU NEED, AND YOU’VE FOUND THE BEST POWER CENTER FOR YOU.

GENERAL FEATURES

Engine
- Electric start, air cooled Kohler Command OHV V-Twin or Subaru OHC
- Includes 1.85 gal. fuel tank

AC Power
- 4,000 to 10,000 watt, 60 hz
- 110/220 volt, 60 hz

Air Power
- 2 stage from 16.3 to 29 CFM @ 100 psi, 150-175 psi max.

OPTIONAL REMOTE CONTROL BOX

190-007
Remote Control Box Assembly 1150, 6'
190-007-12
Remote Control Box Assembly 1150, 12'
190-008
Remote Control Box Assembly 1110, 6'

Easy access to all control functions:
1. AC power outlets
2. Engine controls and hour meter
3. Air compressor controls and gauge
4. Welding controls and ports

Shown with optional remote control box. Available on 01-110 & 01-150
## Specifications

<table>
<thead>
<tr>
<th>Power Center</th>
<th>01-090</th>
<th>01-095 / 01-095-B*</th>
<th>01-098</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Source</strong></td>
<td>Subaru OHC with 1.85 gal. Fuel Tank</td>
<td>Kohler Command OHV V-Twin with 5 gal. Fuel Tank</td>
<td>Air Cooled Kohler Command OHV V-Twin with 5 gal. Fuel Tank</td>
</tr>
<tr>
<td><strong>AC Output</strong></td>
<td>110/220 volt, 4,000 watt, 60 hz</td>
<td>110/220 volt, 10,000 watt, 60 hz</td>
<td>110/220 volt, 10,000 watt, 60 hz</td>
</tr>
<tr>
<td><strong>CFM @ 100 PSI</strong></td>
<td>16.3</td>
<td>16.3</td>
<td>29</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>45” L x 24” W x 44” H, 512 lbs.</td>
<td>50” L x 24” W x 44” H, 600 lbs.</td>
<td>50” L x 24” W x 45” H, 625 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Center</th>
<th>01-105</th>
<th>01-110 / 01-110-B*</th>
<th>01-150 / 01-150-B*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Source</strong></td>
<td>Subaru OHC with 1.85 gal. Fuel Tank</td>
<td>Kohler Command OHV V-Twin with 5 gal. Fuel Tank</td>
<td>Air Cooled Kohler Command OHV V-Twin with 5 gal. Fuel Tank</td>
</tr>
<tr>
<td><strong>Cables</strong></td>
<td>–</td>
<td>25’ 1/0 ga. Welding Cables</td>
<td>25’ 1/0 ga. Welding Cables</td>
</tr>
<tr>
<td><strong>Welding Output</strong></td>
<td>170 amp</td>
<td>170 amp</td>
<td>250 amp</td>
</tr>
<tr>
<td><strong>AC Output</strong></td>
<td>110/220 volt, 4,000 watt, 60 hz</td>
<td>110/220 volt, 4,000 watt, 60 hz</td>
<td>110/220 volt, 6,000 watt, 60 hz</td>
</tr>
<tr>
<td><strong>CFM @ 100 PSI</strong></td>
<td>16.3</td>
<td>16.3</td>
<td>29</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>47” L x 24” W x 47” H, 600 lbs.</td>
<td>47” L x 24” W x 47” H, 600 lbs.</td>
<td>50” L x 24” W x 46” H, 665 lbs.</td>
</tr>
</tbody>
</table>

*Also available as base mount without air tank. Call for specifications.
GOODALL’S WHEEL-TYPE BATTERY CHARGERS ARE THE PERFECT CHOICE FOR REPAIR FACILITIES IN NEED OF A RELIABLE SHOP BATTERY CHARGER. MODELS AVAILABLE FOR AUTOMOTIVE USE, FLEETS, COMMERCIAL AND HEAVY-DUTY APPLICATIONS.

GENERAL FEATURES FOR WHEEL CHARGERS

- 2-hour timer with hold function
- Cooling fan
- Large beveled front panel for easy viewing of meters and easy access to switches

51-895 FLEET CHARGER/STARTER
6, 12 & 24 volt
Great for fleet and heavy-duty applications.
- 60/40/30 amp charge rates
- 225 amp engine start
- Ammeter and voltmeter

51-815V CHARGER/STARTER
6 & 12 volt
Ideal for small shops, cars, pickups and light-duty trucks.
- 40/2 amp charge rates
- 200 amp engine start
- Ammeter

51-865 CHARGER/STARTER
with Test Function 6 & 12 volt
The perfect fit for automotive and trade shops.
- 0-60 amp charge rate – infinitely adjustable
- 250 amp engine start
- Ammeter and voltmeter
- Timer or fully automatic mode
**51-620  BENCHTOP BATTERY CHARGER**
- 15 amp fast charge
- 2 amp slow charge
- 100 amp engine start
- Charges 6 and 12 volt batteries
- Automatic shut-off
- Green LED signals battery fully charged
- Red LED signals reverse connection

**51-650  INTELLIGENT BATTERY CHARGER**
- Automatic microprocessor controlled
- 20/10/2 amp charge rates
- LED status indicator
- 4-stage charge mode: pre-charge, bulk charge, absorption, float

**51-175  TRICKLE/MAINTENANCE CHARGER**
- Switching maintenance charger
- Keeps batteries at a full charge with float mode monitoring
- 2 amp output charger and maintainer
- Automatic shut off when charged
- 4-stage charger keeps battery at full charge all the time
- LED indicate abnormal, charging, battery charged level
- Reverse Polarity Protection
- Quick connect/disconnect snap

**51-178  TRICKLE/MAINTENANCE CHARGER**
- Automatic 1.5 amp maintenance charger
- Great for warming larger automotive batteries overnight for better cold-weather starting

**51-998  BATTERY TESTER**
- 100 amp load testing capacity
- State of charge test
- Starter motor test
- Tests battery charging and systems
- 0-16 volt load test range
- 12” cables with color-coded clamps
- Handles up to 1000 CCA
13-530 JUMP STARTER
A 12 volt commercial jump pack for cars and light-duty trucks made with heavy-duty clamps and 100% copper welding type cables. This unit features an air compressor and an AC inverter.

Features:
- 2,000 peak amps
- 12 volt 20AH battery
- 6 ga. 55" 100% copper cables
- Polarity alarm
- 12 volt power outlet
- 300 watt, 120 volt inverter with 2 outlets and USB connection
- Work light and flasher
- Air compressor with gauge and adaptors
- LED battery charging status
- LED clamp lights
- Built-in charger

13-532 JUMP STARTER
A heavy-duty 12 volt dual battery commercial jump pack made with heavy-duty parrot clamps and 100% copper welding type cables. The 13-532 is designed to jump start any 12 volt vehicle or heavy machinery.

Features:
- 4,000 peak amps
- Dual 12 volt 20AH batteries
- 2 ga. 62" 100% copper cables
- Polarity alarm
- 12 volt power outlet
- LED battery charging status
- Digital battery gauge
- Work light and flasher
- Built-in charger

13-533* JUMP STARTER
A powerful dual battery commercial jump pack designed to jump start any 12 volt vehicle or heavy machinery. Made with heavy-duty parrot clamps and 100% copper welding type cables and programmed to operate only with 12 volt vehicles. Smart Polarity voltage protection prevents the unit from turning on if connected improperly.

Features:
- 4,400 peak amps
- Dual 12 volt 22AH high-output batteries
- 2 ga. 62" 100% copper cables
- Polarity and voltage protection
- 12 volt power outlet and USB connection
- LED battery charging status
- Digital battery gauge
- Work light and flasher
- Built-in charger

* Goodall's 13-533 and 13-535 feature Smart Polarity voltage protection. This is an automated system that prevents the unit from turning on when the clamps are incorrectly connected to a vehicle. An audible signal and red polarity light will warn you that unit is incorrectly connected. When the Smart Polarity light is green, it's OK to jump the vehicle.

The 13-533 is programmed to operate only with 12 volt vehicles. Its Smart Polarity voltage protection senses when a vehicle is not 12 volt and will remain idle until the unit is properly connected to a 12 volt vehicle. The minimum vehicle battery voltage must be at a minimum of 4.5 volts to operate. The 13-533 features Smart Polarity voltage protection that prevents the unit from engaging when the unit is connected incorrectly, either through reversed polarity or an incorrect voltage setting. It can also be used in very low voltage situations or as a power source for 12 volt or 24 volt equipment without the polarity and voltage protection features.
13-535* JUMP STARTER
A powerful 12/24 volt dual battery commercial jump pack with heavy-duty clamps and 100% copper welding type cables. Exclusive voltage and polarity protection prevents the unit from engaging when connected incorrectly, either through reversed polarity or an incorrect voltage setting. It can also be used in very low voltage situations or as a power source for 12 volt or 24 volt equipment without the polarity and voltage protection features.

Features:
- Dual 12 volt 20AH high output
- AGM batteries
- 4,000 12 volt peak amps
- 1,800 24 volt peak amps
- Built-in charger
- 2 ga. 62" 100% copper cables
- Digital battery voltage gauge reads internal and external
- 12 volt power outlet and USA power outlet
- Work light and flasher
- Battery charging status
- Unit will not operate if polarity or voltage is set incorrectly
- Microprocessor controlled

13-536 JUMP STARTER
A 24 volt commercial jump pack that is powerful enough to jump start heavy construction equipment, big rigs and agricultural machinery. Made with heavy-duty parrot clamps and 100% copper welding cables.

Features:
- Dual 12 volt 20AH batteries
- 1,800 24 volt peak amps
- 2 ga. 62" 100% copper cables
- 12 volt power outlet
- Battery status gauge
- Work light and flasher
- Built-in charger

<table>
<thead>
<tr>
<th>JUMP STARTER</th>
<th>13-530</th>
<th>13-532</th>
<th>13-536</th>
<th>13-533*</th>
<th>13-535*</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOLTAGE</td>
<td>12</td>
<td>12</td>
<td>24</td>
<td>12</td>
<td>12/24</td>
</tr>
<tr>
<td>CABLE GAUGE</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>CABLE LENGTH</td>
<td>55&quot;</td>
<td>62&quot;</td>
<td>62&quot;</td>
<td>62&quot;</td>
<td>62&quot;</td>
</tr>
<tr>
<td>BATTERY CAPACITY</td>
<td>20 amp hr.</td>
<td>Dual 20 amp hr.</td>
<td>Dual 20 amp hr.</td>
<td>Dual 20 amp hr.</td>
<td>Dual 20 amp hr.</td>
</tr>
<tr>
<td>PEAK CURRENT</td>
<td>2,000 amp</td>
<td>4,000 amp</td>
<td>1,800 amp</td>
<td>4,400 amp</td>
<td>4,000 amp</td>
</tr>
</tbody>
</table>
START•ALL PLUG-TO-PLUG KITS

12-375
20’ Standard-Duty Kit – 4 ga. with blue plug, 5’ battery to plug, 15’ plug to 400 amp clamps with weather cap

12-400
30’ Standard-Duty Kit – 4 ga. with blue plug, 5’ battery to plug, 25’ plug to 400 amp clamps with weather cap

12-475
20’ Heavy-Duty Kit – 2 ga. with blue plug, 5’ battery to plug, 15’ plug to 500 amp clamps with weather cap

12-500
30’ Heavy-Duty Kit – 2 ga. with blue plug, 5’ battery to plug, 25’ plug to 500 amp clamps with weather cap

12-600
30’ Extreme-Duty Kit – 1/0 with red plug, 5’ battery to plug, 25’ plug to 800 amp clamps with weather cap

START•ALL PLUG KIT WITH HEAVY-DUTY RECEPTACLE BOX

12-608
30’ Heavy-Duty Stainless Steel Bumper Box Kit – red polarity-protected plug, weatherproof stainless steel bumper box with 5’ connector cable, and 25’ 1/0 ga. duplex welding cable with 800 amp clamps

<table>
<thead>
<tr>
<th>CABLE NUMBER</th>
<th>CABLE GAUGE</th>
<th>LENGTH FROM BATTERY TO PLUG</th>
<th>LENGTH FROM PLUG TO CLAMPS</th>
<th>OVERALL KIT LENGTH</th>
<th>PLUG TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-375</td>
<td>4</td>
<td>5</td>
<td>15</td>
<td>20</td>
<td>BLUE, STANDARD DUTY</td>
</tr>
<tr>
<td>12-400</td>
<td>4</td>
<td>5</td>
<td>25</td>
<td>30</td>
<td>BLUE, STANDARD DUTY</td>
</tr>
<tr>
<td>12-475</td>
<td>2</td>
<td>5</td>
<td>15</td>
<td>20</td>
<td>BLUE, STANDARD DUTY</td>
</tr>
<tr>
<td>12-500</td>
<td>2</td>
<td>5</td>
<td>25</td>
<td>30</td>
<td>BLUE, STANDARD DUTY</td>
</tr>
<tr>
<td>12-600</td>
<td>1/0</td>
<td>5</td>
<td>25</td>
<td>30</td>
<td>RED, HEAVY DUTY</td>
</tr>
<tr>
<td>12-608</td>
<td>1/0</td>
<td>5</td>
<td>25</td>
<td>30</td>
<td>RED, HEAVY DUTY</td>
</tr>
</tbody>
</table>

Not all cable is created equal. Our cable is all copper, finely stranded and is extremely flexible to –40° F.
CLAMP-ENDED BOOSTER CABLE WITH PLUG
4 ga. duplex welding cable, blue plug to 400 amp clamps
12-376 15’
12-402 25’
2 ga. duplex welding cable, blue plug to 500 amp clamps
12-476 15’
12-502 25’
1/0 ga. duplex welding cable, red plug to 800 amp clamps
12-602 25’

BATTERY CABLE WITH PLUG AND WEATHER CAP
12-401 5’ blue plug to terminal cable, 4 ga. duplex welding cable
12-501 5’ blue plug to terminal cable, 2 ga. duplex welding cable
12-601 5’ red plug to terminal cable, 1/0 ga. duplex welding cable

PLUG-ENDED BOOSTER CABLES
12-403 12’ 4 ga. duplex cable with blue plug on each end – joins with 400 series plugs
12-503 12’ 2 ga. duplex cable with blue plug on each end – joins with 500 series plugs
12-603 12’ 1/0 ga. cable with red plug on each end – joins with 600 series plugs

STAINLESS STEEL BUMPER BOX WITH PLUG
12-296-5 5’ 1/0 ga. welding cable with red plug
12-296 12’ 1/0 ga. welding cable with red plug
12-297 12’ 2/0 ga. welding cable with red plug

WEATHER CAPS
71-422S 400 and 500 series connector plugs with lanyard
71-424S 600 series connector plugs with lanyard

CONNECTOR PLUGS WITH CONTACTS
71-401 400 and 500 series (blue), with 2 ga. contacts
71-402 600 series (red), with 1/0 ga. contacts

Other contact sizes available. Please call for details.

Call for other available lengths.
**12-280 START-ALL HEAVY-DUTY PLUG-SOCKET STARTER KIT**
A heavy-duty version of our popular 12-200 Plug-Socket Starter Kit.
- Plug in cables and clamps feature a 25' 1/0 ga. welding cable with 800 amp clamps and non-reversible plug (item 12-284 sold separately)
- Hot Socket has a polarity-protected socket, weatherproof stainless steel socket box, 5' battery connector cable (item 12-281 sold separately)

**12-200 START-ALL PLUG-SOCKET STARTER KIT**
Installation of additional socket to rear of service truck adds to utility and safety in heavy-traffic situations. This is the kit to get you started (special lengths available).
- Plug in Cables and Clamps feature a 25' 4 ga. single welding cable with 400 amp clamps and non-reversible plug (item 12-202 sold separately)
- Hot Socket has a polarity-protected pocket, weatherproof socket box, 5' battery connector cable (item 12-201 sold separately)

**12-201 HOT SOCKET**
Weatherproof box, polarity protected socket, copper terminals, 5' battery connector cables.

**12-202 PLUG-IN CABLES/CLAMPS**
25' 4 ga. duplex welding cable equipped with 400 amp clamps and non-reversible plug for Hot Socket.

**71-314 METAL HOUSING**
Metal housing for Hot Socket. Use 71-313 to complete housing. Baked enamel finish.

**71-311S HOT SOCKET PLUG**
Complete with terminals and fittings.

**71-313 HOT SOCKET RECEPTACLE**
Includes weather cover and mounting hardware. Mounts in 71-314 housing.

**12-301 FLEET BOOST CABLE & FENDER PANEL SOCKET**
Mounts on flat panel. No box needed. 5' cable.

**12-302 FLEET BOOST 12' CABLE & PLUG**
INDUSTRIAL-DUTY 1/0 GA. 1,000 AMP CLAMPS
• Our heaviest duty jumper cables, flexible to -40°F
• Full powered jaws—cable runs to both sides of clamps
• All copper wire
14-300 20'
14-301 30'

HEAVY-DUTY 2 & 4 GA. 400-500 AMP CLAMPS
• Twin extruded jacket
• Cable remains flexible to -40°F
• Replaceable jaws, all copper wire
4 ga. welding cable with 400 amp vinyl coated clamps
14-254 25'
14-204 20'
14-154 15'
14-124 12'
2 ga. welding cable with 500 amp vinyl coated clamps
14-252 25'
14-202 20'
14-152 15'
4 ga. welding cable with 450 amp parrot-jaw clamps
14-253 25'
14-203 20'
14-153 15'

32-110 ANTIZAP BOOSTER CABLE UPGRADE
Add to your booster cable, protect delicate electronics. 12/24 volt heavy-duty with LED control. Fits cable up to 3/8" diameter or 2/0 ga. Protects while jump starting:
• EFI and Engine Management System
• Climate control
• Stereo and CD players
• GPS and alarms
• SRS airbags
• ABS brakes
• Instrumentation
• Mobile phones
• Both donor and dead vehicles
### Battery Clamps

- **400 amp, for booster cables and chargers**
  - 14-400: 1 pair
  - 14-406: 6 pair

- **450 amp, heavy duty spring, vinyl plastisol insulated grips**
  - 14-450: 1 pair
  - 14-456: 6 pair

- **500 amp, solid copper jaws, heavy booster cables**
  - 14-500: 1 pair
  - 14-506: 6 pair

- **600 amp, fully insulated, heavy duty, copper shunt**
  - 14-600: 1 pair
  - 14-606: 6 pair

- **800 amp, solid copper jaws for diesel starting equipment**
  - 14-800: 1 pair
  - 14-806: 6 pair

### Extra Heavy-Duty Battery Clamps

Cable runs to each side of clamp powering both jaws. Allows higher amperage flow. Easy to install in field with simple butt connector.

- **1,000 amp power jaw clamps for 1/0 ga. cable**
  - 14-850: 1,000 amp power jaw clamps

- **1,200 amp power jaw clamps for 2/0 ga. cable**
  - 14-900: 1,200 amp power jaw clamps

- **1,400 amp power jaw clamps for 4/0 ga. cable**
  - 14-950: 1,400 amp power jaw clamps

### Miscellaneous

- **Battery Clips**
  - 14-615

- **Replacement Jaws, 500 amp capacity, solid copper**
  - 70-176

- **Replacement Jaws, 800 amp capacity, solid copper**
  - 70-177

### Bulk Welding Cable

- **6 ga., bulk, single**
  - 800-056

- **4 ga., bulk, single**
  - 800-053

- **4 ga., bulk, duplex**
  - 70-404

- **2 ga., bulk, single**
  - 800-051

- **2 ga., bulk, duplex**
  - 70-406

- **1/0 ga., bulk, single**
  - 70-409

- **1/0 ga., bulk, duplex**
  - 70-407

- **2/0 ga., bulk, single**
  - 17-560

- **2/0 ga., bulk, duplex**
  - 800-052

- **4/0 ga., bulk, single**
  - 70-406
**ANTIZAP Device**

Eliminates the need to disconnect the battery from the terminals while welding on a vehicle. Simply clip on the Antizap Surge Protector and you’re ready to weld. Protects sensitive electronics, reduces labor time, and pays for itself after one or two uses.

- Protects vehicle electronics during MIG, TIG or stick welding
- Fully insulated booster clamps with 2-function Antizap protection
- Eliminates the time needed to disconnect the battery
- Just clip the clamps across the battery and the green LED indicates complete electrical system protection
- Available in 12 volt and 24 volt models

**CLAMP-ON UNIT**

- **32-020 ANTIZAP** Clamp-on surge protection 12 volt
- **32-030 ANTIZAP** Clamp-on surge protection 12/24 volt
- **32-040 ANTIZAP** Permanent-mount 24 volt
- **32-050 ANTIZAP** Permanent-mount 12 volt

**PERMANENT-MOUNT UNIT**

- **32-110 ANTIZAP BOOSTER CABLE UPGRADE**

Add to your booster cable, protect delicate electronics. 12/24 volt heavy duty with LED control. Fits cable up to 3/8” diameter or 2/0 ga.

**Protects while jump starting:**
- EFI and Engine Management System
- Climate control
- Stereo and CD players
- GPS and alarms
- SRS airbags
- ABS brakes
- Instrumentation
- Mobile phones
- Both donor and dead vehicles

**ENSURE YOUR VEHICLE IS CORRECTLY GROUNDED BEFORE WELDING**

The Antizap Surge Protector will not protect against induced current created by incorrect welding procedures. Always follow manufacturer’s instructions. Additional Antizap surge protection may be required for accessories wired into the vehicle’s wiring harness between the point of weld and the battery. If in doubt, seek the advice of an electrician prior to welding. Goodall Mfg’s warranty is limited to the replacement of a defective product. Goodall shall not be liable for any consequential or incidental damages.
AC GENERATOR POWER

67-330  GENERATOR

13,000 Watt Gasoline Engine
- 650cc Subaru engine
- Electric start and idle control
- Low oil shutdown

Alternator
- Total harmonic distortion (THD) less than 5%
- 100% copper windings
- Brushless 120 volt/240 volt alternator

Frame
- Reinforced 1-1/4” powder coated steel tube frame with center balanced lifting hook
- Solid steel threaded axles
- Four pneumatic tires with tubes and locking tire brake

Components
- Large low-tone mufflers to reduce noise to lowest level
- Easy access and protected control panel with magnetic circuit breakers and GFCI-protected receptacles
- Gas shut-off valve
- Heavy-duty industrial air cleaners
- Easy-to-read gas gauge and volt/hour meter
- Full power switch
- Fuel tanks are powder coated outside, zinc-plated inside
- Large fuel tank capacity for extended run time

Miscellaneous
- USDA/USFS approved spark arrestors
- Circuit breaker protected

DESIGNED FOR THE CONTRACTOR, THIS GENERATOR IS BUILT TO WITHSTAND EVEN THE MOST DEMANDING APPLICATIONS. WITH A REPUTATION FOR PERFORMANCE IT’S A VIRTUAL POWERHOUSE AND PORTABLE ENOUGH TO EASILY MOVE FROM JOBSITE TO JOBSITE.
<table>
<thead>
<tr>
<th>GENERATOR</th>
<th>67-300</th>
<th>67-310</th>
<th>67-320</th>
<th>67-330</th>
<th>67-311D</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. OUTPUT</td>
<td>4,000 watts</td>
<td>6,000 watts</td>
<td>8,000 watts</td>
<td>13,000 watts</td>
<td>6,000 watts</td>
</tr>
<tr>
<td>RATED OUTPUT</td>
<td>3,500 watts</td>
<td>5,000 watts</td>
<td>6,900 watts</td>
<td>11,500 watts</td>
<td>5,000 watts</td>
</tr>
<tr>
<td>ENGINE</td>
<td>211cc Subaru</td>
<td>404cc Subaru</td>
<td>404cc Subaru</td>
<td>650cc Subaru</td>
<td>9.8 hp Kohler</td>
</tr>
<tr>
<td>VOLTAGE</td>
<td>120/240</td>
<td>120/240</td>
<td>120/240</td>
<td>120/240</td>
<td>120/240</td>
</tr>
<tr>
<td>MAX. AMPS</td>
<td>33.3/16.7</td>
<td>50.0/25.0</td>
<td>66.7/33.3</td>
<td>108.3/54.2</td>
<td>50.0/25.0</td>
</tr>
<tr>
<td>CONTINUOUS AMPS</td>
<td>29.2/14.6</td>
<td>41.7/20.8</td>
<td>57.5/28.75</td>
<td>95.6/47.9</td>
<td>41.7/20.8</td>
</tr>
<tr>
<td>RECEPTACLES: DUPLEX</td>
<td>2-120 volt, 20 amp GFCI</td>
<td>2-120 volt, 20 amp GFCI</td>
<td>2-120 volt, 20 amp GFCI</td>
<td>2-120 volt, 20 amp GFCI</td>
<td>2-120 volt, 20 amp GFCI</td>
</tr>
<tr>
<td>WITH TWIST LOCK</td>
<td>120 volt/240 volt, 20 amp</td>
<td>120 volt/240 volt, 20 amp</td>
<td>120 volt/240 volt, 20 amp</td>
<td>120 volt/240 volt, 20 amp/30 amp</td>
<td>120 volt/240 volt, 20 amp</td>
</tr>
<tr>
<td>WITH TWIST LOCK</td>
<td>120 volt, 30 amp</td>
<td>120 volt, 30 amp</td>
<td>120 volt/240 volt, 30 amp</td>
<td>120 volt/240 volt, 50 amp</td>
<td>120 volt, 30 amp</td>
</tr>
<tr>
<td>RATED SPEED</td>
<td>3,600 rpm</td>
<td>3,600 rpm</td>
<td>3,600 rpm</td>
<td>3,600 rpm</td>
<td>3,600 rpm</td>
</tr>
<tr>
<td>DECIBEL</td>
<td>75.7</td>
<td>77.4</td>
<td>78.2</td>
<td>77.5</td>
<td>85</td>
</tr>
<tr>
<td>FUEL CAPACITY</td>
<td>5.7 gal.</td>
<td>7.3 gal.</td>
<td>7.3 gal.</td>
<td>13.5 gal.</td>
<td>2.6 gal.</td>
</tr>
<tr>
<td>RUN TIME (FULL LOAD)</td>
<td>9.3 hours</td>
<td>7.9 hours</td>
<td>6.9 hours</td>
<td>8.8 hours</td>
<td>6.8 hours</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>29” W x 19.75” D x 22.5” H</td>
<td>28” W x 24.4” D x 22.5” H</td>
<td>29” W x 24.4” D x 22.5” H</td>
<td>31.5” W x 30.5” D x 37.5” H</td>
<td>30.125” W x 21.62” D x 22.5” H</td>
</tr>
<tr>
<td>NET WEIGHT</td>
<td>146 lbs.</td>
<td>210 lbs.</td>
<td>223 lbs.</td>
<td>513 lbs.</td>
<td>279 lbs.</td>
</tr>
</tbody>
</table>
IDEAL FOR SERVICE VEHICLES, EMERGENCY/RESCUE VEHICLES, AGRICULTURAL AND CONSTRUCTION APPLICATIONS, GOODALL’S COMPACT, HYDRAULICALLY POWERED AC GENERATOR AND WELDER PROVIDES ALL THE POWER YOU NEED WITHOUT TAKING UP PRECIOUS SPACE.

**840 SERIES**

- 27” W x 8.5” D x 14” H, 150 lbs.
- 07-840 5,000 watt AC Generator
- 07-842 6,500 watt AC Generator
- 07-844 10,000 watt AC Generator

**850 SERIES WITH CONTROL PANEL** *(not pictured)*

- 27” W x 8.5” D x 14” H, 150 lbs.
- 07-850 5,000 watt AC Generator with panel
- 07-852 6,500 watt AC Generator with panel
- 07-854 10,000 watt AC Generator with panel
- 07-856 5,000 watt AC Generator/250 amp DC welder, with panel

**860 SERIES, FULLY HOUSED**

- 28” W x 14” D x 15” H, 150 lbs.
- 07-860 5,000 watt AC Generator
- 07-862 6,500 watt AC Generator
- 07-864 10,000 watt AC Generator
- 07-866 5,000 watt AC Generator/250 amp DC welder

**GENERAL FEATURES**

- Available as a housed or unhoused unit
- Control box can be mounted remotely up to 15’ from unit

Control Box Includes:

- 120 volt duplex (20 amp)
- 240 volt twist lock (20 amp)
- 120/240 volt straight blade (50 amp)
- 3-function meter (voltage, frequency and percent load)
- Digital bar meter

Hydraulic Requirement: 16 gpm at 2,500 psi
LOOKING FOR AN AC GENERATOR TO RUN FROM A TRACTOR? Goodall’s agricultural PTO generators include the latest advancement in metering technology and power output regulation. All of our units contain only 100% copper windings and UL/CSA circuit breakers and receptacles. Each unit is also equipped with a plug capable of carrying the full power of the generator directly into your house through a transfer switch.

Individually protected circuits
Every receptacle on our generators is individually protected by its own circuit breaker and every circuit breaker is wired through the main circuit breaker for maximum protection.

Three-Bar LED Meter
All PTO generators come standard equipped with a three bar LED meter that monitors the hertz, volts and amperage of your PTO generator.

UL/CSA Listed Circuit Breakers
All of our generators have UL/CSA-approved magnetic circuit breakers of the same or higher specifications than the one that protects your home or farm.

What is the PTO speed?
540 rpm

What horsepower does my tractor need to be?
For every 2 hp, you can get 1 kw. (Ex.: 20 hp – 10 kw, 36 hp – 18 kw)

Outlets:
A - Duplex, 120V, 20A NEMA 5-20
B - Straight Blade, 120/140V, 50A NEMA 14-50
C - Straight Blade, 120/140V, 60A NEMA 14-60
D - Straight Blade, 120/140V, 175A

<table>
<thead>
<tr>
<th>MODEL</th>
<th>67-800</th>
<th>67-810</th>
<th>67-820</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
<td>10 kw</td>
<td>16 kw</td>
<td>22 kw</td>
</tr>
<tr>
<td>VOLTAGE</td>
<td>120/240</td>
<td>120/240</td>
<td>120/240</td>
</tr>
<tr>
<td>PHASE</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>STARTING CAPACITY</td>
<td>20 kw</td>
<td>32 kw</td>
<td>40 kw</td>
</tr>
<tr>
<td>TRACTOR PTO POWER</td>
<td>20 hp</td>
<td>33 hp</td>
<td>40 hp</td>
</tr>
<tr>
<td>BREAKER CAPACITY</td>
<td>40 amp</td>
<td>60 amp</td>
<td>80 amp</td>
</tr>
<tr>
<td>VOLTAGE REGULATION</td>
<td>Capacitor</td>
<td>AVR ± 1%</td>
<td>Capacitor</td>
</tr>
<tr>
<td>PANELS OUTLETS</td>
<td>A, B</td>
<td>A, C</td>
<td>A, B, D</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>156 lbs.</td>
<td>165 lbs.</td>
<td>269 lbs.</td>
</tr>
</tbody>
</table>
GOODALL’S TWO-STAGE AIR COMPRESSORS PROVIDE A RELIABLE AIR SOURCE IN COMMERCIAL, INDUSTRIAL AND AUTOMOTIVE APPLICATIONS. MORE EFFICIENT THAN THEIR SINGLE-STAGE COUNTERPARTS, THESE MODELS COMPRESS AIR TO A HIGHER PRESSURE WHILE GENERATING LESS HEAT, REDUCING WEAR AND EXTENDING COMPRESSOR LIFE.

65-215 AIR COMPRESSOR
2-Stage Gasoline, 20 ga. tank
- Industrial Honda OHV engine
- Engine oil drain
- Manual drain valves for proper maintenance
- Quality pilot valve unloader
- Electric Start Option

65-410 AIR COMPRESSOR
2-Stage Gasoline
- 30 gal. tank mounted
- Industrial Subaru OHC engine
- Electric start
- Pneumatic idle control to conserve gas

65-400 AIR COMPRESSOR
2-Stage Gasoline
- Base mounted
- Industrial Subaru OHC engine
- Electric start
- Pneumatic idle control to conserve gas

GENERAL FEATURES

Engine
- Pneumatic idle control to conserve gas

Compressor Pump
- Quality cast iron compressor
- Splash lubricated cast iron crankcase extends performance hours
- Cast iron head for heat dissipation
- Stainless steel braided discharge hose
- Large canister intake filter

Frame
- Powder coated receivers
- 3/16” base plate to reduce vibration

Components
- Regulator and two gauges for tank and outlet pressure
- Manual drain valves for proper maintenance
- Belt tightening system for constant belt alignment

<table>
<thead>
<tr>
<th>MODEL</th>
<th>65-215</th>
<th>65-410</th>
<th>65-400</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOBILITY</td>
<td>Stationary</td>
<td>Stationary</td>
<td>Stationary</td>
</tr>
<tr>
<td>TANK SIZE</td>
<td>20 gal.</td>
<td>Base</td>
<td>30 gal.</td>
</tr>
<tr>
<td>CFM</td>
<td>17.2 CFM @ 175 psi</td>
<td>29 CFM @ 175 psi</td>
<td>29 CFM @ 175 psi</td>
</tr>
<tr>
<td>COMPRESSOR TYPE</td>
<td>2-Stage</td>
<td>2-Stage</td>
<td>2-Stage</td>
</tr>
<tr>
<td>ENGINE</td>
<td>270cc Honda</td>
<td>404cc Subaru</td>
<td>404cc Subaru</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>37” W x 19” D x 28” H</td>
<td>36.5” W x 19” D x 28” H</td>
<td>42” W x 19” D x 45” H</td>
</tr>
<tr>
<td>NET WEIGHT</td>
<td>306 lbs.</td>
<td>215 lbs.</td>
<td>450 lbs.</td>
</tr>
</tbody>
</table>

For shipping weight, add 40 lbs.
These portable air compressors are ideal for light to moderate use. Convenient lifting handles allow you to transport the unit just about anywhere.

**65-005 AIR COMPRESSOR**

**Single-Stage Electric, 5 gal. tank**

Goodall's hand carry, 5 gal. electric air compressor makes your jobs more efficient by supplying the extra air power needed.

- 120 volt single-phase 60 hz motor with 15 amp plug
- Oil lubricated aluminum crankcase
- Cast iron cylinder
- Stainless steel braided discharge hose
- Canister inlet air filter
- Regulator and two gauges for tank and outlet pressure
- Start/stop control set at 95 psi to 125 psi

**65-100 AIR COMPRESSOR**

**Single-Stage Gasoline, 8 gal. tank**

- Industrial Honda OHV engine
- 12" fly wheel for extra cooling and longer life
- Tank shut-off valve

**65-200 AIR COMPRESSOR**

**2-Stage Gasoline Air Compressors, 8 gal. tank**

- Industrial Subaru OHC engine
- 16-1/2" fly wheel for extra cooling and longer life
- Quality pilot valve unloader

**65-210 AIR COMPRESSOR**

**2-Stage Gasoline, 20 gal. tank**

- Industrial Honda OHV engine
- Engine oil drain
- Manual drain valves for proper maintenance
- Quality pilot valve unloader

**GENERAL FEATURES**

**Compressor Pump**

- Quality cast iron two stage compressor with venting system for reduced crankcase temperature and pressure
- Splash lubricated cast iron crankcase to extend the hours of performance
- Cast iron head for heat dissipation
- Stainless steel braided discharge hose
- Large canister intake filter

**Frame**

- 3/16" base plate to reduce vibration
- 14 ga. powder-coated two-piece belt guard with 1/4 turn release for quick access to belts

**Components**

- Air tanks are powder coated and ASME coded
- Regulator and two gauges for tank and outlet pressure
- 16.5" fly wheel for extra cooling and longer life
- Belt tightening system pulls engine straight to ensure constant belt alignment

---

<table>
<thead>
<tr>
<th>MODEL</th>
<th>65-005</th>
<th>65-100</th>
<th>65-200</th>
<th>65-210</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOBILITY</td>
<td>Hand Carry</td>
<td>Wheeled</td>
<td>Wheeled</td>
<td>Wheeled</td>
</tr>
<tr>
<td>TANK SIZE</td>
<td>5 gal.</td>
<td>8 gal.</td>
<td>8 gal.</td>
<td>20 gal.</td>
</tr>
<tr>
<td>CFM</td>
<td>4.1</td>
<td>13.1</td>
<td>17.2</td>
<td>17.2</td>
</tr>
<tr>
<td>COMPRESSOR TYPE</td>
<td>1-Stage</td>
<td>1-Stage</td>
<td>2-Stage</td>
<td>2-Stage</td>
</tr>
<tr>
<td>ENGINE</td>
<td>2.0 hp / 120 volt, 14 amp</td>
<td>196cc Honda</td>
<td>265cc Subaru</td>
<td>270cc Honda</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>20.5&quot; W x 15.5&quot; D x 17.5&quot; H</td>
<td>44.5&quot; W x 18.5&quot; D x 27&quot; H</td>
<td>44&quot; W x 26&quot; D x 31&quot; H</td>
<td>46&quot; W x 26&quot; D x 39.5&quot; H</td>
</tr>
<tr>
<td>NET WEIGHT</td>
<td>56 lbs.</td>
<td>175 lbs.</td>
<td>260 lbs.</td>
<td>306 lbs.</td>
</tr>
</tbody>
</table>

Other models available. Call for specific needs.
THIS SERIES IS DESIGNED FOR MAXIMUM PERFORMANCE AND RELIABILITY. THESE UNITS HAVE BECOME THE PRESSURE WASHERS OF CHOICE FOR CONTRACTORS WHO NEED GREAT RESULTS WITH COMPLETELY MOBILE UNITS.

**62-200 PRESSURE WASHER**

**Gasoline Direct Drive**
A great hot-water pressure washer. Does not need a 12 volt battery to operate the burner. The top-fired heat exchanger is designed for easy maintenance.

**Engine**
- Performance proven engine with low oil protection and recoil start
- 404cc Subaru OHC
- 1.7 gal. fuel tank

**Pump**
- Direct drive triplex piston AR pump with ceramic plungers
- Stainless steel and brass unloader valve
- Forged brass manifold
- Thermal relief valve
- Low pressure detergent injection

**Frame**
- Reinforced powder coated steel tube frame with center balanced lifting hook
- Powder coated steel hose reel mounting brackets
- Wand holder
- Solid steel threaded axle
- 4 pneumatic tires with tubes for longer life
- Locking tire brake

**Component**
- High-quality gas filter/water separator ensures clean gas supply
- Complete system diagnostic board
- On/off burner switch
- Pressure and high-limit safety controls
- No. 1 or No. 2 diesel or kerosene fired burner
- Polyethylene burner fuel tank
- Easy coil drain helps prevent freezing in cold weather
- Energy-efficient top-fired powder coated heat exchanger designed for convenient trouble shooting and easy maintenance

**Unit Includes:**
- 50’ x 3/8” steel wire braided pressure hose with screw connects, swivel and bend restrictors
- Professional-grade insulated trigger gun with safety lock off
- Adjustable pressure insulated dual lance with 15° fixed and detergent nozzle

**Miscellaneous**
- Temperature rise 150° F / 66° C above ambient, maximum outlet temperature is 200° F

---

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<tbody>
<tr>
<td>PSI</td>
<td>1,000</td>
<td>1,500</td>
<td>2,700</td>
<td>3,000</td>
<td>4,000</td>
<td>4,000</td>
<td>3,500</td>
</tr>
<tr>
<td>GPM</td>
<td>2</td>
<td>2</td>
<td>2.3</td>
<td>2.4</td>
<td>3.5</td>
<td>3.4</td>
<td>3.3</td>
</tr>
<tr>
<td>ENGINE</td>
<td>187cc Honda</td>
<td>187cc Honda</td>
<td>187cc Honda</td>
<td>196cc Honda</td>
<td>404cc Subaru</td>
<td>404cc Subaru</td>
<td>404cc Subaru</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>37” x 21” x 24.5”</td>
<td>37” x 21” x 24.5”</td>
<td>37” x 21” x 24.5”</td>
<td>37” x 21” x 24.5”</td>
<td>40” x 22.5” x 24.5”</td>
<td>39.5” x 28.5” x 26”</td>
<td>43” x 30” x 41”</td>
</tr>
<tr>
<td>NET WEIGHT</td>
<td>75 lbs.</td>
<td>75 lbs.</td>
<td>75 lbs.</td>
<td>85 lbs.</td>
<td>142 lbs.</td>
<td>195 lbs.</td>
<td>428 lbs.</td>
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<tr>
<td>BURNER FUEL CAP.</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>5.5 gal.</td>
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<tr>
<td>BURNER FUEL CONS.</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>2.14 gph</td>
</tr>
</tbody>
</table>

For shipping weight, add 40 lbs.
### 62-090 PRESSURE WASHER
**Electric Direct Drive**
- 1.5 hp engine, 120 volt, 1Ø, 12.5A
- 1,000 psi, 2 gpm
- Variable high/low pressure nozzle with adjustable spray pattern
- 25’ x 3/8” non-marking hose with quick connects and swivel
- Professional-grade insulated trigger gun with safety lock-off
- 36” two-piece insulated lance
- 1-year electric motor limited warranty, 7-year pump warranty

### 62-092 PRESSURE WASHER
**Electric Direct Drive**
- 2.0 hp engine, 120 volt, 1Ø, 17.0A
- 1,500 psi, 2 gpm
- Variable high/low pressure nozzle with adjustable spray pattern
- 25’ x 3/8” non-marking hose with quick connects and swivel
- Professional-grade insulated trigger gun with safety lock-off
- 36” two-piece insulated lance
- 1-year electric motor limited warranty, 7-year pump warranty

### 62-100 PRESSURE WASHER
**Gasoline Direct Drive**
- 160cc Honda OHC
- 2,700 psi, 2.3 gpm
- Quick-connect nozzles (15º, 25º and detergent nozzle)
- 25’ x 3/8” wire braided pressure hose
- Professional-grade insulated trigger gun with safety lock-off
- 36” lance with rubber grip
- 1-year Honda engine limited warranty, 1-year pump warranty

### 62-120 PRESSURE WASHER
**Gasoline Direct Drive**
- 196cc Honda OHC
- 3,000 psi, 2.4 gpm
- Quick-connect nozzles (15º, 25º and detergent nozzle)
- 25’ x 3/8” wire braided pressure hose
- Professional-grade insulated trigger gun with safety lock-off
- 36” lance with rubber grip
- 1-year Honda engine limited warranty, 1-year pump warranty

### 62-140 PRESSURE WASHER
**Gasoline Direct Drive**
- 404cc Subaru OHC
- 4,000 psi, 3.5 gpm
- Quick-connect nozzles (0º, 15º and 25º)
- 50’ x 3/8” non-marking hose with quick connects, swivel and bend restrictors
- Professional-grade insulated trigger gun with safety lock-off
- 48” lance with rubber grip
- 3-year Subaru engine limited warranty, 7-year pump warranty

### 62-160 PRESSURE WASHER
**Gasoline Direct Drive**
- 404cc Subaru OHC
- 4,000 psi, 3.4 gpm
- Quick-connect nozzles (0º, 15º, 25º, 40º)
- 50’ x 3/8” non-marking hose with quick connects, swivel and bend restrictors
- Professional-grade insulated trigger gun with safety lock-off
- 48” lance with rubber grip
- 3-year Subaru engine limited warranty, 7 year pump warranty

### MODEL OPTIONS
- **62-301** High Pressure Detergent Injection
- **62-302** Low Pressure Detergent Injection
77-181S1 SOLENOID FOR START-ALLS

Brush Sets
- 79-405 For 79-375 and 79-406 Generators
- 79-396 For 79-371 and 79-373 Generators
- 70-046 For 70-360 and 70-050 Generators

CABLES

All include Antizap Surge Protector
- 70-436S 30' 1/0 ga. Replacement Cable Set with Terminals
- 70-441 30' 1/0 ga. Replacement Cable Set with Red Plug
- 70-439 50' 1/0 ga. Replacement Cable Set with Terminals
- 70-437S 30' 2 ga. Replacement Cable Set with Terminals
- 70-438S 50' 2 ga. Replacement Cable Set with Terminals
- 70-444 50' 1/0 ga. Replacement Cable Set with Red Plug

890-635S VOLTAGE CONTROL MODULE
with Reverse Current and Reverse Polarity Protection
VOLTMETER

71-510S Voltmeter, 0-36 Volt
for 12/24 volt Start•All units: 600, 800, 900 series

71-506S Voltmeter, 0-18 Volt
for all 12 volt Start•All units: 600, 800, 900 series

AMMETER

71-520S Ammeter Color Indication
for all 12 and 12/24 volt Start•All units: 600, 800, 900 series

70-447S Ammeter 300 amps
for 708 and 2 cable set Start•All units

GENERATORS

79-375S Case Ground Generator
79-406S Isolated Ground Generator

BELTS

70-408 Long for 11-716, 11-718 and 900 series DC generators
70-628 Short for 11-716, 11-718 and 900 series DC generators
71-819 For 11-610 and 11-620
Call for additional belts.

GROUND CLAMP | STINGER | END CONNECTOR

WELDER REPLACEMENT PARTS

950-021 End connectors male
950-024 End connectors female
950-022 Stinger
950-023 Ground clamp
350-043 25’ welding cable

77-330S DC BOOSTING SWITCH
for 12 volt Start•All units: 600, 800, 900 series and 708

70-041 GENERATOR PULLEY
for Start•All generators

77-321S RESISTOR ASSEMBLY
53-526 PROTEC™ START-ALL
25 gal. Capacity
- 2-way rotary pump for siphoning and dispensing
- High-quality, rebuildable pump
- Flame arrestor neck, 2" filler
- 10' clear vinyl hose, 1/2" inside diameter
- Ground wire and clamp
- 14 ga. welded steel, powder coated
- 20" W x 22" D x 42" H, 95 lbs.

53-535 GAS-ALL TRANSFER & STORAGE
Unit with Air-Operated Pump - 30 gal. Capacity
- 4-way valve controls
- Protects against fire
- 10' clear 1/2" ID polyurethane hose
- Ground wire with clamp
- 14 ga. welded steel, enamel finish
- Gas gauge
- Filtration protected
- Pumps up to 10 gallons per minute
- Includes two large wheels with two casters with brakes
- "Flammable," "Gasoline," "Diesel," "Unleaded," and "E85" decals included
- 28" W x 27" D x 34" H, 130 lbs.

53-539 GAS-ALL FUEL TRANSFER & STORAGE
UNIT WITH AIR-OPERATED PUMP
100 gal. Capacity
- 4-way valve controls
- Protects against fire
- 10' clear 1/2" inside diameter polyurethane hose
- Ground wire with clamp
- 14 ga. welded steel, enamel finish
- Gas gauge
- Filtration protected
- "Flammable," "Gasoline," "Diesel," "Unleaded," and "E85" decals included
- 45" W x 34" D x 38" H, 250 lbs.

FOR MORE INFORMATION, CALL US AT 800-328-7730 OR VISIT US AT WWW.GOODALLMFG.COM
**18-100 DELUXE TRAVEL FIRST AID KIT**

This 62-piece first aid kit is ideal for contractors, vehicles or small companies with fewer than 10 employees. It meets federal OSHA requirements 1910.151b (state requirements may vary). Sturdy and convenient, the 10-unit plastic case contains the first aid essentials to prepare you for work-related accidents. The partitioned, water-resistant plastic case is wall mountable, yet has a handle for easy carrying.

**Dimensions:** 7.69" x 4.56" x 2.38"

---

**18-120 DELUXE AUTO FIRST AID KIT**

This 93-piece vehicle kit is designed for fleet and commercial vehicles. Its metal case with gasket holds quality brand products that are easily accessible in an emergency. This kit meets federal OSHA recommendations and offers easy refilling with the help of a full-color re-ordering schematic.

**Dimensions:** 6.31" x 9.06" x 2.375"

---

**18-140 DELUXE INDUSTRIAL FIRST AID KIT**

This 106-piece first aid kit is ideal for contractors, fleet vehicles, work sites or small companies with up to 25 employees. It meets federal OSHA recommendations and carries 17 critical products including a 4 oz. eye wash. The strong metal case is wall mountable, yet has a handle for easy carrying.

**Dimensions:** 10.5" x 7.5" x 2.5"

---

**18-130 DELUXE MOBILE FIRST AID KIT**

This 106-piece first aid kit is ideal for contractors, fleet vehicles, work sites or small companies with up to 25 employees. It exceeds federal OSHA requirements 1910.151b (state requirements may vary). The sturdy and convenient plastic case contains the first aid essentials to prepare you for work-related accidents.

**Dimensions:** 9.06" x 6.31" x 2.38"

---

(50) .75" x 3" Adhesive plastic bandages
(3) 1.75" x 3" Large fingertip fabric bandages
(2) 1.5" x 3" Knuckle fabric bandages
(6) 2" x 2" Gauze dressing pads, (3) 2-pks.
(1) 5" x 9" Trauma pad
(1) 2" Conforming gauze roll bandage
(1) 36" Triangular sling/bandage with 2 safety pins
(12) Aspirin tablets, (6) 2-pks.
(12) Antiseptic cleansing wipes (sting free)
(6) Triple antibiotic ointment packs
(3) Insect sting relief pads
(1) .5" x 5 yd. First aid tape roll
(1) 4" x 5" Instant cold compress
(1) Sterile eye pad
(1) Eye wash, 4 oz.
(2) Exam quality vinyl gloves, 1 pair
(1) 4.5" Scissors, nickel plated
(1) 4" Tweezers, plastic
(1) First aid guide
HEAVY DUTY
RELIABLE
HARD WORKING
POWER EQUIPMENT

POWER CENTER 01-105
START-ALL® 608
INTELLIGENT BATTERY CHARGER 51-650
ANTIZAP DEVICE
FLEETSTART® 13-700
BOOST-ALL® 13-224
AIR COMPRESSOR 65-410
JUMP STARTER 13-530
CAPSTART® 13-095-10
BOOSTER CABLES 12-600

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