Welder/generator/air compressor. One machine that will do it all. Designed and built to be the most reliable high-output system in the world.

Ultra-reliable industrial rotary screw air compressor. Belt-driven with automatic belt tensioner with a life expectancy of 30,000 hours.

Independent compressor controls. On/off switch for applications not requiring compressed air. At idle speed will produce 100 PSI at 40 CFM.

Weatherproof Lexan® nameplate resists cracking and fading, and is color-coded for ease of operation.

Enclosed robust case design protects internal components from impact and allows air flow to cool and prolong the life of the engine. Also reduces sound levels.

GFCI receptacle as required on most jobsites to protect operators from electrical hazards.

Low maintenance with easy single-side access to engine and 500 hour oil changes for both engine and compressor.

Quiet at only 70 decibels (95 Lwa) at idle and 79 decibels (104 Lwa) at maximum output. Improves jobsite communications.

Heavy-duty low-speed industrial turbocharged diesel engine provides ample power at high altitudes.

Meter maintenance displays
- Fuel gauge
- Hour meter function
- Oil change interval
- High coolant temperature and low oil pressure shutdowns
- Low fuel shutdown—engine shuts down before system runs out of fuel, making restarts easy.

Hot Start™ provides positive stick electrode starts to make it easy to start all types of electrodes.

Arc-Drive™ makes welding easy. Automatically enhances Stick welding, especially on pipe, by focusing the arc and preventing the electrode from going out.

AC/DC/battery charge/jump start for AC TIG welding and 12- or 24-volt batteries. Simply select the battery voltage and connect cables to the separate battery output studs. Included with deluxe model only.

Welder/Generator/Air Compressor is warranted by Miller for 3 years, parts and labor. Engine is warranted by Deutz for 3 years.

Big Blue Air Pak Deluxe model shown.
**Specifications** (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Welding Mode</th>
<th>Weld Output Range</th>
<th>Weld Output Rated at 104˚ F (40˚ C) NEMA Amperage and Voltage</th>
<th>Max. Open-Circuit Voltage</th>
<th>Generator Output Rated at 104˚ F (40˚ C)</th>
<th>Dimensions**</th>
<th>Weight (without fuel)***</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>550 A at 42 V (23.1 kW), 60% Duty Cycle</td>
<td></td>
<td>34/17 A, 120/240 VAC, 60 Hz while welding</td>
<td>W: 28.5 in.</td>
<td>Ship: 1982 lb. (899 kg)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 A at 40 V (20 kW), 100% Duty Cycle</td>
<td></td>
<td>Additional Generator Power for Deluxe Models (while NOT welding)</td>
<td>D: 69.5 in.</td>
<td>Deluxe Model Net: 1956 lb. (887 kg)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 A at 36 V (14.4 kW) 100% Duty Cycle</td>
<td></td>
<td>3-phase: 20 kW, 48 A, 240 VAC or 1-phase: 12 kW, 50 A, 120/240 VAC</td>
<td></td>
<td>Ship: 2007 lb. (910 kg)</td>
</tr>
<tr>
<td>CC/AC*</td>
<td>20 – 575 A</td>
<td>500 A at 40 V (20 kW), 100% Duty Cycle</td>
<td>56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery*</td>
<td>12/24 V</td>
<td>750 A, 12 V, Jump Start</td>
<td>14/28</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charge Jump Start</td>
<td></td>
<td>750 A, 24 V, Jump Start</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Deluxe model only. **Additional 7 in. (178 mm) to top of exhaust. ***Additional 165 lb. (75 kg) when fuel tank is full.

**Certified by Canadian Standards Association to both the Canadian and U.S. Standards. Meets NEMA and IEC output ratings.**

**Engine Specifications (Engines warranted separately by the engine manufacturer.)**

<table>
<thead>
<tr>
<th>Engine Brand</th>
<th>Features</th>
<th>HP</th>
<th>Type</th>
<th>Engine Speeds</th>
<th>Capacities</th>
<th>Automatic Engine Shutoffs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deutz TD2011L040</td>
<td>EPA Tier 4i compliant, turbocharged, direct-injected, liquid-cooled (oil) engine. Right-side service access with service intervals of 500 hours for oil and filters. MSHA approved with purchase of certificate from Deutz dealer.</td>
<td>63.4</td>
<td>4-cylinder, industrial, liquid-cooled diesel</td>
<td>Weld: 1850 RPM Idle: 1250 RPM</td>
<td>Fuel: 25 gal. (95 L) Oil: 11 qt. (10.4 L) Coolant: Integrated oil</td>
<td>Low Oil Pressure, High Coolant Temperature, Low Fuel Level</td>
</tr>
</tbody>
</table>

**Air Compressor**

<table>
<thead>
<tr>
<th>Compressor Brand</th>
<th>Features</th>
<th>Free Air Delivery at 1850 RPM</th>
<th>Free Air Delivery at 1235 RPM (Idle)</th>
<th>Working Pressure Constant</th>
<th>Duty Cycle</th>
<th>Oil Capacity</th>
<th>Automatic Compressor Shutoffs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingersoll Rand CESS G1</td>
<td>Rotary screw with electric clutch for on/off. Oil change intervals of 500 hours (same as engine). Life expectancy of 30,000 hours.</td>
<td>60 CFM (1.70 m³/min.)</td>
<td>40 CFM (1.13 m³/min.)</td>
<td>100 PSIG (7 bar)</td>
<td>100%</td>
<td>5 q. (4.7 L)</td>
<td>Oil Temperature</td>
</tr>
</tbody>
</table>

**Control Panel**

1. AC/DC Voltmeter*
2. AC/DC Ammeter*
3. Amperage Range Switch
4. Amperage/Voltage Adjust Control
5. Amperage/Voltage Adjust Switch and Remote Amperage/Voltage Adjust 14-Pin Receptacle
6. Process/Contactor Selector Switch
7. 120 VAC, 20 A GFCI Duplex Receptacle
8. 240 VAC, 30 A TwistLock Receptacle (NEMA L6-30)
9. Air Outlet Valve 3/4-inch NPT
10. Engine Oil Pressure Gauge
11. Fuel Gauge — displays engine hours and oil change intervals
12. Engine Coolant Temperature Gauge
13. Battery Voltmeter
14. Air Compressor Pressure Gauge
15. Air Compressor On/Off Switch
16. Engine Control Switch
17. Starting Aid Switch*
18. 20 kW, 3-Phase Generator*
19. Strain Relief*
20. 50 A, 3-Phase Circuit Breaker*
21. 50 A, 1-Phase 120/240 V Receptacle (NEMA 14-50)*
22. AC/DC/Battery Charge/Start Switch*
23. International Model — 240 VAC, 16 A Pin and Sleeve Receptacle

*On Select Models
Ingersoll Rand Rotary Screw Air Compressor

This industrial-grade compressor, has a life expectancy of 30,000 hours, is belt driven and utilizes an electric clutch control to allow the compressor to be turned off if not needed. This design increases efficiency, reduces fuel consumption and saves you money at the pump. An automatic belt tensioner provides proper belt tension even after years of service. The compressor is protected by a high-temperature shutdown switch.

Toolless Generator Brushes

100 percent copper-wound generator features quick and easy brush and slip ring inspection. Brushes can be removed and/or replaced in a matter of seconds.

The Vault

Superior Circuit Board Design

Our critical circuit boards are engineered to carry low power and low heat to reduce thermal stress and minimize expansion and contraction. In contrast, our competitor’s boards carry high power and high heat, making them more vulnerable to failure.

“The Vault” Makes Upgrading to Miller® CC/CV Units Worry-Free

Concerns with circuit board reliability have resulted in some operators steering clear of CC/CV welder/generators — even though they offer a superior arc and multiple welding processes. Miller circuit board reliability isn’t a concern since all Big Blue multiprocess industrial engine drives feature the Vault.

Created out of two aluminum halves sealed with silicone, as well as watertight harness connections, the Vault provides a clean circuit board environment, protecting the electronics — and controlling output — in heavy industrial applications. No other competitor protects their electronics with a sealed vault, leaving critical circuit boards exposed to harsh elements that can disrupt the machine’s electronics, and therefore, its operation.
Genuine Miller® Accessories

**Desiccant Air Dryer System**  #195 117
A regenerating inline air dryer system that eliminates moisture in the air stream to prevent air tool freeze-ups in cold climates. Internal thermostat and heating elements insure good air quality in all climates. The system can be mounted on the side of the machine or remotely for truck mount installations.

**Weld Ammeter and Voltmeter**  #195 131
Field Panel-mounted AC/DC analog meters to monitor weld output.

**U.S. Model Full KVA Plug Kit**  #119 172
Field 1-phase, 120/240 VAC, 50 A plug (NEMA 14-50P) to fit full KVA receptacle.

**International Plug**  #255 416
Field 1-Phase, 240 VAC, 16 A plug

**Cold Weather Starting Kit**  #195 086
Field 120 V oil pan heater element.

**Engine Filter Kit**  #246 988
Field Includes all filters required for proper engine maintenance. Oil filter, primary and secondary fuel filter, and primary air filter.

**Compressor Filter Kit**  #246 991
Field Includes all filters required for proper compressor maintenance. Oil filter, air filter and coalescing filter.

**FA-1D Lockable Flame Arrester Fuel Cap**  #043 947
Field Fuel cap can be padlocked to prevent vandalism. A built-in flame arrester prevents flames or sparks from entering the fuel tank.

**Vandalism Lockout Kit**  #195 118
Field Lockable hinged steel panels cover and protect name plate gauges and ignition switch (padlock included). Also includes engine compartment door lock and key.

**Cable Holder**  #043 946
Field Saddle-bag-style cable holder. Convenient wrap-around storage of coiled cable for transportation. Stores 100 feet of 2/0 cable on each side.

**Protective Cover**  #195 159
Field Blue water-resistant canvas cover resists stains and mildew, and protects the finish of your welder.

**MIG (GMAW) or Flux-Cored (FCAW)**

**SuitCase® X-TREME® 8VS Wire Feeder**  #951 182
**SuitCase® X-TREME® 12VS Wire Feeder**  #951 543
Lightweight, voltage-sensing wire feeders include secondary contactor, gas valve and drive roll kit. See Lit. Index No. M/6.41 and M/6.42.

**SuitCase® 8RC Wire Feeder**  #951 186
**SuitCase® 12RC Wire Feeder**  #951 188
Lightweight and flexible enough to run a variety of wires up to .062-inch diameter. Includes remote voltage control and drive roll kit. See Lit. Index No. M/6.5.

**Spoolmatic® 30A Spool Gun**  #130 831
Air-cooled, 200-amp, 1-pound spool gun for aluminum MIG. See Lit. Index No. M/1.73.

**WC-24 Control**  #137 549
Use with Spoolmatic 30A.

**XR™ Wire Feeders and Guns**
Push-pull system designed to handle difficult-to-feed soft alloy wires such as aluminum. See Lit. Index No. M/1.7, M/1.71, and M/1.73.

**Note:** For best results do not weld when cable is coiled! Protective cover cannot be used with cable holder.

**Stick (SMAW) Welding**

**Weld Leads**
2/0 Stick Cable Set, 50 ft. (15 m)  
#173 851
Consists of 50-foot (15 m) 2/0 electrode cable with holder, and 50-foot (15 m) work cable with clamp. 350 A, 100% duty cycle.

2/0 Stick Cable Set, 100/50 ft. (30.5/15 m)  
#043 952
Consists of 100-foot (30.5 m) 2/0 electrode cable with holder, and 50-foot (15 m) work cable with clamp. 300 A, 100% duty cycle.
**TIG (GTAW) Welding**

**Dynasty® 200 Series**
For premium portable AC/DC TIG arc quality. See Lit. Index No. AD/4.8.

**HF-251 Series**

- #042 388 HF-251D-1, 115 VAC High-frequency arc starter and stabilizer. See Accessory Lit. Index No. AY/5.0.

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**Remote Controls**

**Wireless Remote Hand Control **

**#300 430**
For remote current, voltage and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 300-foot (91.4 m) operating range. Requires Wireless Antenna Kit #300 749.

**Wireless Antenna Kit **

**#300 749**
Required for Pro Series engine drives. Optional on other compatible Miller products where improved reception is desired.

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**Plasma Cutting**

**Spectrum® 375 X-TREME™**

- #907 529 See Lit. Index No. PC/9.2.

**Spectrum® 625 X-TREME™**

- #907 531 See Lit. Index No. PC/9.6.

**Spectrum® 875**

- #907 390-01-1 See Lit. Index No. PC/9.8.

The Spectrum 375 X-TREME and 625 X-TREME come complete with protective X-CASE™ (not shown).

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**RHC-14 Hand Control**

**#242 211 020**
Miniature hand control for remote current and contactor control. Dimensions: 4 x 4 x 3.25 inches (102 x 102 x 82 mm). Includes 20-foot (6 m) cord and 14-pin plug.

**RFCS-14 HD Foot Control**

**#194 744**
Heavy-duty foot control for current and contactor control. Includes 20-foot (6 m) cord and 14-pin plug.

---

**RMLS-14**

**#129 337**
Momentary- and maintained-contact rocker switch for contactor control. Push forward for maintained contact and back for momentary contact. Includes 26.5-foot (8 m) cord and 14-pin plug.

**RCC-14 Remote Contactor and Current Control**

**#151 086**
Side-to-side rotary-motion fingertip control fastens to TIG torch using two Velcro® straps. Includes 26.5-foot (8 m) cord and 14-pin plug.

**Extension Cables for 14-Pin Remote Controls or 24 VAC Wire Feeders**

- #242 208 025 25 ft. (7.6 m)
- #242 208 050 50 ft. (15.2 m)
- #242 208 080 80 ft. (24.4 m)
4 West Four-Wheel Steerable Off-Road Trailer    #042 801
A heavy-duty 2570-pound (1166 kg) capacity trailer designed for use in mines, quarries, and other rough terrain. Has narrow 22-foot (6.7 m) turning radius. Includes 3-inch (76 mm) lunette eye, universal hitch and safety chains.

HWY-224 Trailer    #043 805 For highway use.
OFR-224 Trailer    #043 802 For off-road use.
A 2650-pound (1202 kg) capacity trailer. Welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. Includes jack stand and 2-inch (50 mm) ball hitch. HWY-224 also includes fenders and lights.

Cable Tree    #043 826
Provides an area to conveniently wrap weld cables and extension cords.

Dual Hitch    #300 831
2-inch (50 mm) ball hitch and 3-inch (76 mm) lunette eye in one reversible assembly.

Mounting Specifications

| A | 29.812 in. (757 mm) |
| B | 27.5 in. (699 mm) |
| C | 1 in. (25 mm) |
| D | 11.625 in. (295 mm)* |
| E | 46.375 in. (1178 mm)* |
| F | 58 in. (1473 mm)* |
| G | 69.5 in. (1765 mm) |
| H | .562 in. (14 mm) diameter |

Height: 50 in. (1270 mm) (to top of exhaust)
Width: 28.5 in (724 mm)
(mounting brackets turned in)
30.75 in (781 mm)
(mounting brackets turned out)
Depth: 69.5 in (1765 mm)
*With mounting brackets in center position.
Dimensions vary with location of mounting brackets.

<table>
<thead>
<tr>
<th>4 West</th>
<th>Gross Axle Weight Rating</th>
<th>Gross Vehicle Weight Rating</th>
<th>Net Payload</th>
<th>Height of Bed</th>
<th>Road Clearance</th>
<th>Track (Center to center of tires)</th>
<th>Standard Tires (Standard rating or P-size rating)</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
</table>
|        | 2000 lb./axle (907 kg/axle) | 3000 lb. (1361 kg) | 2570 lb. (1166 kg) | 21.25 in. (540 mm) | 8 in. (203 mm) | 55.25 in. (1403 mm) | B78-13 | Length: 91 in. (2311 mm)*
Width: 61.25 in. (1556 mm) | 430 lb. (195 kg) |
|        | 3500 lb. (1588 kg) | 2960 lb. (1343 kg) | 2650 lb. (1202 kg) | 18.5 in. (470 mm) | 7.5 in. (191 mm) | 52 in. (1321 mm) | B78-13 | Length: 105 in. (2667 mm)
Width: HWY – 59.5 in. (1511 mm)**
OFR – 58.438 in. (1484 mm) | 320 lb. (145 kg) |

*Does not include tongue.  **Width at outside of fenders.
Typical Installations

**Stick (SMAW) Basic Equipment**

- **MIG Gun**
- **Work**
- **SuitCase® 8RC** #951 186
- **SuitCase® 12RC** #951 188

**Flux-Cored (FCAW) Basic Equipment**

- **SuitCase® X-TREME® 8VS** #951 182
- **SuitCase® X-TREME® 12VS** #951 543

**MIG (GMAW) Basic Equipment**

- **Aluminum MIG (GMAW) Basic Equipment**
  - **Spoolmatic® 30A** #130 831
  - **WC-24** #137 549

**TIG (GTAW) Basic Equipment**

- **Dynasty® 200 Series**
  - **HF-251D-1** #042 388*
  - *TIG power cable adapter required.

**Plasma Basic Equipment**

- **Spectrum® 375 X-TREME®** #907 529
- **Spectrum® 625 X-TREME®** #907 531
- **Spectrum® 875** #907 390-01-1

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Typical Installations

![Diagram of Stick (SMAW) Basic Equipment](image1)

- **Stick Electrode**
- **Work**

![Diagram of Flux-Cored (FCAW) Basic Equipment](image2)

- **Flux-Cored Gun**
- **Work**

![Diagram of MIG (GMAW) Basic Equipment](image3)

- **SuitCase® 8RC/12RC**
- **Work**

![Diagram of Aluminum MIG (GMAW) Basic Equipment](image4)

- **Aluminum MIG with Spoolmatic 30A Gun**
- **Work**

![Diagram of TIG (GTAW) Basic Equipment](image5)

- **TIG Torch**
- **Work**

![Diagram of Plasma Basic Equipment](image6)

- **Cutting Torch**
- **Work**
<table>
<thead>
<tr>
<th>Equipment and Factory Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Blue® Air Pak™ CC/CV</td>
<td>#907 062</td>
<td>U.S. Base Model with Automatic Idle, Engine Gauges, 5.5 kW AC Generator, 12 V Intake Manifold Heater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#907 062-01-1</td>
<td>International Model with 50/60 Hz, Dry Battery, Automatic Idle, Engine Gauges, 5.5 kW AC Generator, 12 V Intake Manifold Heater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#907 062-04-1</td>
<td>U.S. Cold Weather Model with Automatic Idle, Engine Gauges, 5.5 kW AC Generator, Weld Meters, Battery Lockout/Tagout Disconnect Switch, 12 V Intake Manifold Heater, 120 V Oil Pan Heater</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#907 062-07-1</td>
<td>U.S. Deluxe Model with Automatic Idle, Engine Gauges, 5.5 kW AC Generator, Weld Meters, Battery Lockout/Tagout Disconnect Switch, 12 V Intake Manifold Heater, 120 V Oil Pan Heater, Vandalism Lockout Kit, AC/DC/Battery Charge/Jump Start Switch, 20 kW Generator</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Accessories</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desiccant Air Dryer System</td>
<td>#195 117</td>
<td>Removes moisture from air supply</td>
</tr>
<tr>
<td>Weld Ammeter and Voltmeter Kit</td>
<td>#195 131</td>
<td>AC/DC analog weld output meters</td>
</tr>
<tr>
<td>U.S. Model Full KVA Plug Kit</td>
<td>#119 172</td>
<td>1-phase, 120/240 VAC, 50 A</td>
</tr>
<tr>
<td>International Plug</td>
<td>#255 416</td>
<td>1-phase, 240 V, 16 A</td>
</tr>
<tr>
<td>Cold Weather Starting Aid</td>
<td>#195 086</td>
<td>120 V oil pan heater</td>
</tr>
<tr>
<td>Engine Filter Kit</td>
<td>#246 988</td>
<td>Includes air, oil and fuel filters</td>
</tr>
<tr>
<td>Compressore Filter Kit</td>
<td>#246 991</td>
<td>Includes air, oil and coalescing filters</td>
</tr>
<tr>
<td>Lockable Flame Arrestor Fuel Cap</td>
<td>#043 947</td>
<td>Padlock not included</td>
</tr>
<tr>
<td>Vandalism Lockout Kit</td>
<td>#195 118</td>
<td>Lockable front control panel and engine compartment</td>
</tr>
<tr>
<td>Cable Holder</td>
<td>#043 946</td>
<td>Stores up to 200 ft. of 2/0 weld cable</td>
</tr>
<tr>
<td>Protective Cover</td>
<td>#195 159</td>
<td>Will not fit over machine with cable holder attached</td>
</tr>
</tbody>
</table>

| Stick Welding Leads          |          | See page 4                           |
| Plasma Cutting               |          |                                     |
| Spectrum® 375 X-TREME™      | #907 529 | Includes X-CASE™. See Lit. Index No. PC/9.2 |
| Spectrum® 625 X-TREME™      | #907 531 | Includes X-CASE™. See Lit. Index No. PC/9.6 |
| Spectrum® 875               | #907 390-01-1 | See Lit. Index No. PC/9.8 |

| MIG/Flux-Cored Welding       |          |                                     |
| SuitCase® X-TREME™ 8VS      | #951 182 | See Lit. Index No. M/6.41            |
| SuitCase® X-TREME™ 12VS      | #951 543 | See Lit. Index No. M/6.42            |
| SuitCase® 8RC                | #951 186 | See Lit. Index No. M/6.5             |
| SuitCase® 12RC               | #951 188 | See Lit. Index No. M/6.5             |
| Spoolmatic® 30A Spool Gun    | #130 831 | Requires WC-24 Control. See Lit. Index No. M/1.73 |
| WC-24 Control               | #137 549 | See Lit. Index No. M/1.5             |
| XR™ Wire Feeder Control and Guns |          | See Lit. Index No. M/1.7, M/1.71, and M/1.73 |
| MIG (GMAW)/Flux-Cored (FCAW) Guns |          | See Lit. Index Nos. AY/15.0, AY/16.0 and AY/17.0 |

| TIG Welding                  |          |                                     |
| Dynasty® 200 Series          |          | See Lit. Index No. AD/4.8            |
| HF-251D-1                    | #042 388 | High-frequency unit for AC TIG welding. See Lit. Index No. AY/5.0 |
| Coolant System               |          | See Lit. Index No. AY/7.2            |

| Remote Controls              |          | See page 5                           |

| Trailers and Hitches         |          |                                     |
| 4 West Four-Wheel Steerable Trailer | #042 801 | Trailer with lunette eye, universal hitch and safety chains. For off-road use |
| HWY-224 Trailer             | #043 805 | Trailer with lights, fenders and 2-in. (50 mm) ball hitch. For highway use |
| OFR-224 Trailer             | #043 802 | Trailer with 2-in. (50 mm) ball hitch. For off-road use |
| Cable Tree                   | #043 826 | Trailer mounted cable holder for HWY-224 or OFR-224 |
| Dual Hitch                   | #300 831 | Combination 2-in. (50 mm) ball hitch and 3-in. (76 mm) lunette eye in one reversible assembly. For HWY-224 or OFR-224 |

Date: Total Quoted Price: