



**Big Blue<sup>®</sup>  
Dual Operator  
Welding Solutions**

# Big Blue® Dual Operator Welding Systems

## Multiply worker productivity on every job

Big Blue dual operator engine-driven welding systems are the premier choice in low speed diesel welder/generators for the world's most demanding welders. In construction, pipeline, structural steel, mechanical contracting and other challenging applications, count on Big Blue dual operator welding systems to complete the toughest jobs with speed and efficiency. And, with diesel-driven generator power, you'll be able to run power tools and accessories on site.

## Dual outputs improve productivity

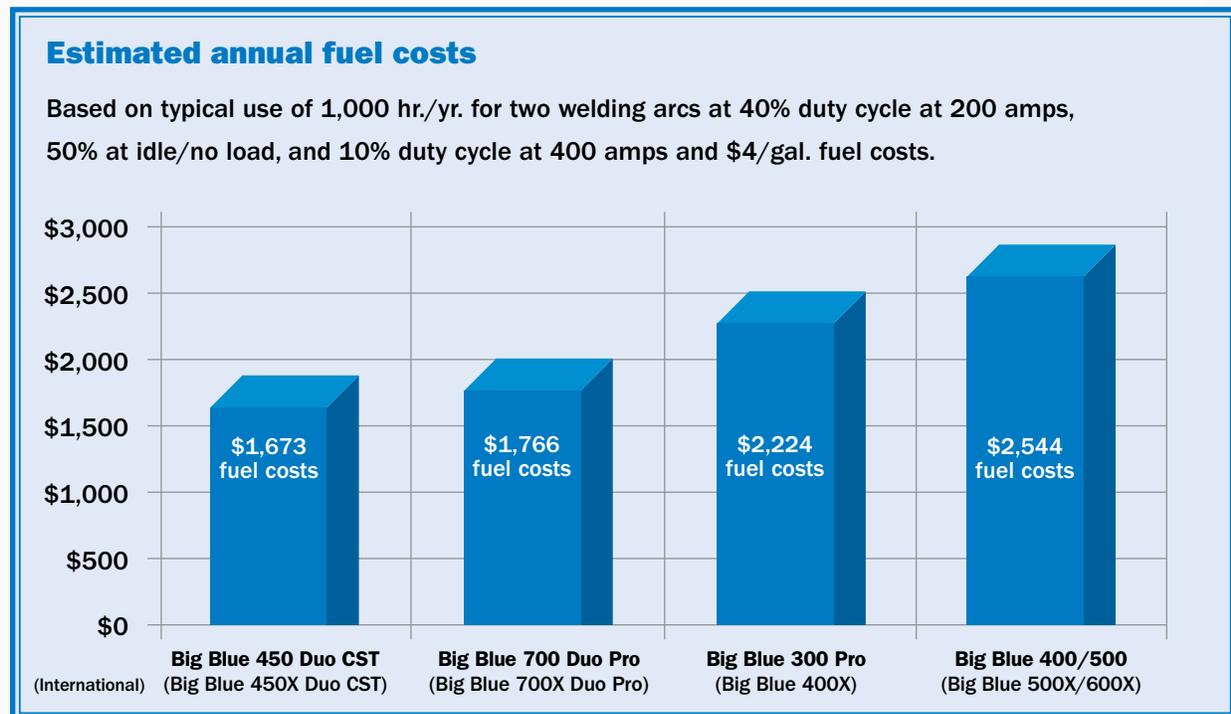
Now, you can do the work of two machines with just one — a Big Blue dual operator welding system. With a single diesel engine powering two independent welding outputs, two operators can be more productive working at the same time from one power source. A typical example is in transmission pipeline welding where two welders work simultaneously down opposite sides of a single pipe. The Big Blue system provides superior arc quality with the powerful, multiprocess welding performance only Miller engine-driven welder/generators can deliver.

**Dual operator machines accomplish twice the work without the cost of additional equipment.**



## Dramatic fuel savings

Each Miller Big Blue® engine-driven dual operator welding system uses one low-speed diesel engine to run two welding outputs, resulting in fuel savings of up to 35 percent. As shown below, projected annual savings of almost \$900 in fuel costs per unit is achievable.



## Lower capital investment and operating costs

Buying one Big Blue dual operator welding system instead of two conventional single-output welders increases efficiency and reduces overhead. Additional savings result from fueling just one machine instead of two.

## Reliable welding day after day

Uniquely designed and ruggedly made by Miller, Big Blue dual operator welding systems run at peak performance in the most difficult welding environments. Miller rates the Big Blue 450 Duo CST at 122°F (50°C) and 700 Duo Pro at 104°F (40°C) to ensure dependable operation even in extreme conditions. In the desert heat or arctic cold, dust or rain, Big Blue dual operator welding systems deliver reliable and powerful performance.

## Additional dual operator benefits

Allowing two operators to weld from one machine yields extra advantages on every job:

- **Easy transport and relocation** — It's faster and easier to transport one Big Blue welding system and move it around on the site instead of handling two machines.
- **Reduced engine emissions** — Running one diesel engine rather than two results in a lower level of exhaust emissions, minimizing the impact on our environment.
- **Reduced noise levels** — Operators will prefer the quieter jobsite environment surrounding a single Big Blue diesel engine rather than the increased noise levels produced by two machines.

## Big Blue® 700 Duo Pro Welding System (Big Blue 700X Duo Pro — International)



This dual operator welding system is the premier heavy-duty welder/generator for challenging, full multiprocess work in transmission pipe welding, process pipe, mechanical contracting, construction and repair.

### Powerful, independent multi-arc welding

- Provides two welding arcs up to 400 amps
- For high-quality Stick, MIG, Flux-Cored and TIG welding performance

### Two independent generator outputs

- One 5,500-watt-peak/4,000-watt-continuous single-phase generator regardless of weld output
- Second generator provides 27,000 watts peak/20,000 watts continuous 3-phase power

### Reliable, long-running design

- Powered by Deutz D2011 L04 4-cylinder heavy-duty, low-speed, diesel engine
- Designed for 10,000 hours of operation before first basic overhaul
- Deluxe model includes both intake manifold and oil pan heaters
- 70 percent noise reduction versus its predecessor, the Miller Du-Op

## Big Blue® 450 Duo CST™ Welding System (Big Blue 450X Duo CST — International)



Compact and reliable, this dual operator welding system includes two CST 280 Stick/TIG inverter power sources built within the high standards of the Miller Big Blue family of engine-driven welder/generators. It's ideal for Stick/TIG applications in the construction, maintenance, repair and rental fleet fields.

### Superior CST dual arc performance

- Provides up to 450 amps of welding output from the two CST 280 power sources
- Delivers top Stick performance even on difficult-to-run electrodes; Lift-Arc™ technology improves TIG arc starts

### Easy to use and maintain

- Process selector dial for Stick and TIG applications makes operation easy
- Meter maintenance display reports oil change intervals, high coolant temperature and other critical parameters

### Highly efficient and reliable

- High-efficiency generator provides 12,000 watts of continuous 1-phase or 3-phase power
- Mitsubishi S4L2 4-cylinder diesel engine is designed to run more than 10,000 hours before overhaul