

Dimension™ 650

Multiprocess Welding
Power Source 

Quick Specs

Heavy Industrial Applications

Fabrication and Construction
Heavy Manufacturing
MRO—Maintenance/Repair
Pressure Tank/Vessel Fabrication
Shipbuilding
Refineries and Foundries
Railcar Manufacturing
Earth-Moving Equipment Manufacturing

Processes

MIG (GMAW)
Flux-Cored (FCAW)
Submerged Arc (SAW)
Stick (SMAW)
TIG (GTAW)
Air Carbon Arc (CAC-A)
Cutting and Gouging
Rated: 3/8-inch carbons

Input Power 3-Phase Power
380/460 VAC, 50/60 Hz

Rated Output 650 A at 44 VDC,
100% Duty Cycle

Output Range 15–815 A, 10–65 V

Net Weight 158 lb. (71.7 kg)

Big capabilities in a smaller package.

Developed for harsh environmental conditions and output requirements that range from power-intensive to precise.

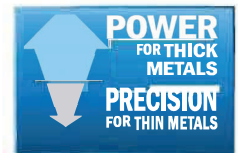


An unbeatable combination of durability, output, efficiency and capability—all in a smaller, easier-to-handle package. Inside its tough, corrosion-resistant, all-aluminum case is big power for heavy welding jobs and Carbon Arc gouging.

In addition to excellent Stick and Lift-Arc™ TIG, the Dimension 650 also has excellent short-arc MIG characteristics for precise thin-metal welding performance.



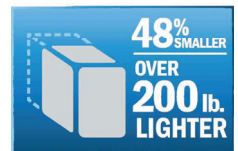
Rugged and durable inside and out



Power and precision



Improved weld quality



More portable and takes up less floor space

Specifications (Subject to change without notice.)



Amperage/Voltage Ranges	Rated Output	Amps Input at Rated Output, 50/60 Hz				Max. Open-Circuit Voltage	Dimensions	Net Weight
		380 V	460 V	KVA	KW			
15–815 A in CC mode 10–44 V in CV mode 10–65 V in SAW mode	650 A at 44 VDC, 100% duty cycle	53.2	42.8	34	30.7	87	H: 28.187 in. (716 mm) (including lift eye) W: 16.687 in. (424 mm) D: 31.625 in. (803 mm)	158 lb. (71.7 kg)