

**MIG & MULTI-PROCESS**

Dimension 650 CE

Part No: MILDIM650

BIGGER CAPABILITIES IN A SMALLER PACKAGE.

DC MULTI-PROCESS CAPABILITY

Provides versatility and outstanding arc performance in CV (MIG) and CC (Stick, TIG, CAC-A).

GOUGING MODE

Provides 800 AMPS of usable power, a full 650 amps of power at 100% duty cycle. Perfect for heavy gouging with 9.5mm carbons.

IMPROVED ARC PERFORMANCE

Three wire modes (GMAW/FCAW/SAW) for simplified setup and optimised arc performance.

- Solid and flux-cored wires with gas offer exceptional short-arc MIG precision to weld thin metals with less risk of distortion or burn-through, and premium flux-cored welding with gas.
- Flux-cored (shelf-shielded) welding performance is exceptional, especially with wires commonly found in infrastructure construction.
- Sub arc mode provides capability to retrofit into non-digital sub arc applications.

BUILT-IN ARC CONTROL

Allows the operator to get in tight without sticking the electrode. An electrode compensation circuit ensures consistent arc control performance regardless of the electrode size.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

WIND TUNNEL TECHNOLOGY

Internal air flow that protects electrical components and PC boards from dirt, dust, debris - greatly improving reliability.

WITHSTAND HARSH ENVIRONMENTS

All-aluminium constructions helps the machine resist corrosion for long life. 82mm ground clearance keeps the machine away from water, mud and dirt to protect interior components.

14-PIN RECEPTACLE

Provides quick, direct connection to Miller 14-pin wirefeeders and accessories.

REMOTE VOLTAGE CONTROL

Allows operator to change Voltage from feeder.

COMPATIBLE WITH INSIGHT CORE™

Simple internet-based welding information solution.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

APPLICATIONS

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

PROCESSES

MIG (GMAW)
Stick (SMAW)
TIG (GTAW)
Flux-cored (FCAW)
Air Carbon Arc Cutting and
Gouging (CAC-A)
Submerged arc (SAW)



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OUTPUT RATINGS				INPUT POWER 400V 50/60HZ 3 PHASE			IP RATING	DIM. (MM)	WEIGHT
PROCESS	Current A	Volt DC	Duty Cycle %	Input Amps	kW	kVA	IP23 This equipment is designed for outdoor use.	L: 803 W: 424 H: 716	71.7kg
TIG	650	34	100	37.4	24.2	25.8			
	750	34	60	43.2	28.2	29.8			
	815	34	25	46.9	30.6	32.5			
Stick	650	44	100	47.4	30.9	32.8			
	750	44	60	55	35.8	38.2			
MIG, Subarc, Gouge	650	44	100	47.4	30.9	32.8			
	750	44	60	55	35.9	38.2			
	815	44	25	60.2	39.1	41.8			