



IT SAVES ENERGY NOT PERFORMANCE

This is a 650-amp, 100% duty cycle CV/CC multi process welder for MMA, TIG, MIG, FCAW, SAW and arc gouging. The DC-655 power source is ideal for construction and shop fabrication because of its excellent arc performance and wide variety of energy saving features. For added energy and cost savings, this machine has a high overall efficiency of 84%. When not in use, the DC-655 saves you further money and energy with the "idle shut down timer" by powering the machine down. Internal components are kept cool without wasting energy with Lincoln's Fan-As-Needed (F.A.N.™) that shuts off automatically when the system is cooled.



Don't think you're sacrificing arc performance for efficiency; the DC-655 features a calibrated output knob for precise procedure setting and adjustable arc force for a tailored arc and ultimate low end performance – down to 50 amps – for excellent stick, MIG and TIG performance.

Can you afford not to have one ?

ADVANTAGES

- ✓ 82% energy efficiency for reduced energy consumption.
- ✓ Full range calibrated output voltage and current control for easy operation.
- ✓ Two output studs for selecting high or low inductance.
- ✓ CC Arc Force control knob with built-in "Hot Start".
- ✓ Selectable sleep mode shutdown timer powers down if not used, for extra energy conservation.
- ✓ Fan-As-Needed™ – solid state thermally controlled cooling fan operates only when required. Minimizes power consumption, operating noise and dust intake.
- ✓ Optional digital Ammeter / Voltmeter kit. Easy front panel installation.
- ✓ Electronic and thermal protection from current overload and excessive temperatures.
- ✓ Recessed front panel protects operating controls from damage.
- ✓ Manufactured under a quality system certified to ISO 9002 requirements.
- ✓ Three year warranty plus on parts and labor.

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Technical Details

OPTIONAL FEATURES



Dual Process switch



Digital meter kit



Air filter kit

TECHNICAL SPECIFICATIONS

Product Name	Item Number	Standard Voltage	Input Power	Weight	Dimensions H x W x L	Protection Class	Compliance
DC655	K1610-1	230/400V 3ph	122/70A	329	700x564x965	IP23	EN 60974-1 / IEC974-1

WELDING OUTPUT

Current & voltage range	Rated Output	O.C.V.	Auxiliary output
50 - 815A	650A / 44V / 100%	45 CV mode	42V / 10A / AC wire feeder
13 - 44 V	815A / 44V / 60%	68 CC mode	115V / 15A / AC wire feeder 220V / 2A / AC water cooler

ACCESSORIES

Item Number	Description
K1486-1	Air filter kit
K1482-1	Digital meter kit
K1528-1	Dual process switch
K10095-1-15M	Remote output control - 15m, 1 potentiometer
K10124-1-15M	Remote output control - 15m, 2 potentiometers
K10398	15m-extension cable for remote control box
K10399	Adaptator cable 14p/6p
K10081	4-wheel in-plant undercarriage
K10019	3-wheel in-plant undercarriage
K842	4-wheel in-plant undercarriage (2 cylinders)
K10103	Air arc torch, model K3000 (600A max.)
K10105	Air arc torch, model K4000 (1200A max.)



CC and CV output control

CC stick arc force control

Thermal protection light

ON/OFF switch

CC/CV Subarc /CV switch

Local/Remote output control

Weld terminal ON or remotely controlled

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E0023.07/04

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