

Flextec™ 450

Processes
Stick, DC TIG, MIG, Flux-Cored,
Arc Gouging

Product Number
K3065-1

Input Voltage
415/3/50/60

Input Current at Rated Output
3 Ph / 60% Duty Cycle: 37/27/22A

Rated Output
450A/38V/60%

Output Range
10 - 500 Amps

Weight/Dimensions (H x W x D)
56.8 Kg
(477 x 356 x 673 mm)

FLEXible TECHNOLOGYSM

This multi-process welder delivers up to 500 amps of welding power for a variety of applications, including construction and fabrication. It features an IP23 rating for outdoor operation and storage, and the latest inverter technology will save you real dollars on the utility costs associated with your welding operations.

FEATURES

- ▶ **Flexible Multi-Process Capability** – Including stick, Touch Start TIG® (DC), MIG, flux-cored welding and carbon arc gouging with up to a 3/8 in. (9.5 mm) carbon.
- ▶ **The Future is NowSM** – You no longer have to pay a price premium to gain the advantages of inverter technology over conventional welders.
 - Faster Arc Response means smoother arc action and more consistent bead appearance.
 - Low Power Consumption results in daily operational cost savings.
 - Enhanced Portability – Typically 50% less weight, size and footprint.
- ▶ **Simple Operation** – The user interface is designed with the operator in mind. Set up is easy for even the most novice welder.
- ▶ **Bright Digital Amp and Volt Meters** – Easy to monitor, even in sunlight, and presettable for precise procedure control.
- ▶ **Built in VRD**- Designed to fail-to-safe factory fitted. VRD offers additional protection for the operator. The VRD operates in the CC mode.
- ▶ **Selectable Hot Start** – Turn it off for thin material or flip it on to get the extra starting amperage you need for thick, rusty or dirty material.

APPLICATIONS

- ▶ Construction
- ▶ Fabrication
- ▶ Automotive
- ▶ Production
- ▶ Education



Shown K3065-1

WHAT'S INCLUDED

K3065-1 Base Unit Includes:

- ▶ Power Source

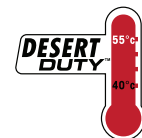
RECOMMENDED WIRE FEEDERS

- ▶ LF-72, LF-74
- ▶ LN-10, DH-10
- ▶ LF-33, LF-35
- ▶ LN-25 PRO, LN-25 PRO Dual Power
- ▶ 115 volt input wire feeders are not supported.

INPUT



OUTPUT



FEATURES CONT'D

- ▶ **Variable Arc Control** – In stick mode, vary the arc force to obtain the “soft” or “crisp” arc you want as conditions require. In CV modes, vary the pinch or inductance to control spatter, fluidity and bead appearance.
- ▶ **Full-Featured Remote Control Capability** – Use a foot pedal or hand control to remotely vary output up to 100 ft. (30.5 m) away.
- ▶ **Desert Duty™ Rated** – Welding outputs are rated for extreme temperature operation up to 55°C.

Flextec™ 450

ENERGY SAVINGS

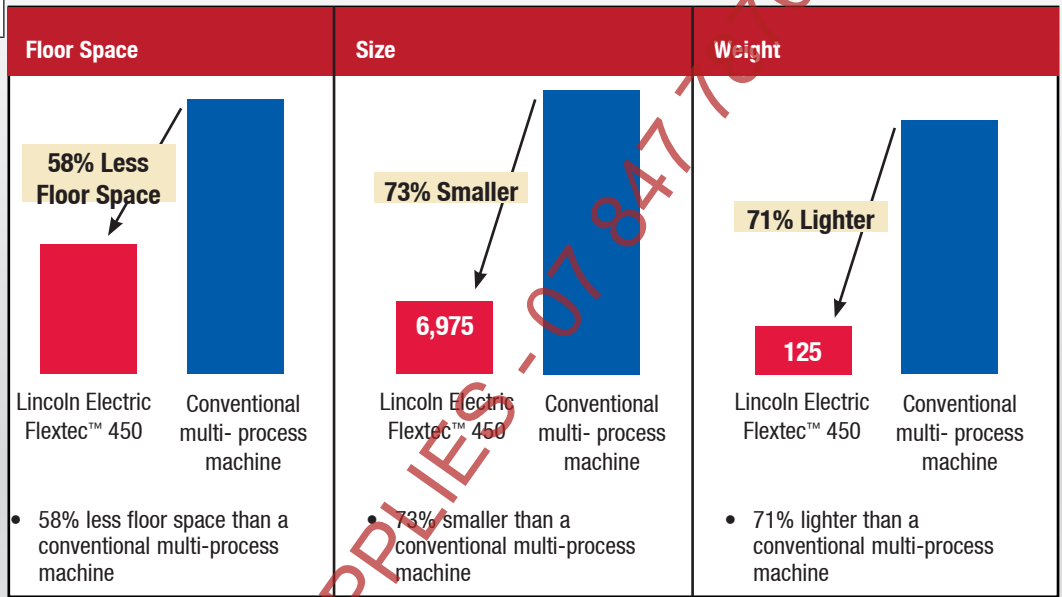
The inverter technology of the Flextec™ 450 yields a higher efficiency and power factor compared to similar conventional power sources.

The Result is:

- Lower input current at the same output saves on input cable and fuse costs.
- Lower power consumption results in annual operating cost savings.

FLEXTEC ENERGY SAVINGS

	Lincoln Electric Flextec™ 450
Efficiency (@450A Output)	87%
Power Factor (@450A Output)	.95



QUALITY AND RELIABILITY

Tough PC Boards - Encapsulated components and protective trays provide best-in-class environmental protection from dust and humidity.

Fan-As-Needed™ - Reduces power consumption, dirt intake and damaging thermal cycling.

Protected Electrical Connections - Help ensure long-term reliability in unforgiving environments.

Temperature and Dirt Resistant - Double insulation and varnish on all primary components.

Repeated Life and Reliability Testing - Salt, rain, humidity, drop, jerk, vibration, impact and others.

IP23 Rated - While the fan is operating, the machine is subjected to a rain shower that directs water 60 degrees from vertical. While the machine is still wet, it must withstand a high voltage dielectric test and an insulation resistance test.



Among other tests, the Flextec™ 450 was subjected to extreme temperature environmental testing, including heat, cold, humidity, rain and dust.

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Subject to Change - This information is accurate to the best of our knowledge at the time of printing.