



## COMPLETE COMBINATIONS, PORTABLE POWER

The Ranger 305 D CE is a powerful 300-amp DC multi-process diesel engine driven welder designed especially for contractors, maintenance and repair and all other field based welding professionals who demand the best welding arc from an engine driven welder.

What makes the Ranger 305 D CE unique to other engine driven welders is that this machine has been designed using Lincoln's Chopper Technology™ giving you excellent arc characteristics whether you are in stick (conventional or pipe), TIG, MIG or arc gouging modes of operation.

Rugged and dependable, the Ranger 305D CE is built within a totally enclosed case, which provides maximum protection to its 45-litre fuel tank top-of-the-line



water-cooled Kubota 18.8 HP D722 diesel engine.

This portable powerhouse delivers 8000 continuous (8.500 peak) watts of 120V/240V/415v AC generator power, enough power to run lights, tools, pump and weld all at the same time!

The Ranger 305 D CE meets all the new stringent European regulations including 50Hz, ionisation and 110v, 240v & 415v power requirements.

## ADVANTAGES

- ✓ Excellent welding capabilities; CC-stick, down hill stick welding on pipe, CV wire welding and Touch-Start TIG™.
- ✓ Top-of-the-line range 18.8 HP D722 diesel engine.
- ✓ Single phase and three phase 50Hz; 115v, 230v 1ph & 400v 3Ph and circuit breaker.
- ✓ Lower noise than partially enclosed and unenclosed welders of comparable size. Listen for yourself and hear the difference!
- ✓ Dual digital output meters for presetting weld amps or voltage.
- ✓ Longer engine life reduced noise emissions and greater fuel economy with automatic engine idler.
- ✓ Single, full-range output control dial. No more confusion with taps and controls!
- ✓ Flip down control panel door keeps less frequently used dials out of your way!
- ✓ Three year Lincoln warranty plus (Engine is warranted separately by the manufacturer)

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**ELECTRIC**

# Technical Details

With portability in mind the Ranger 305 D CE has been built around a smaller more robust outer casing making ideally suited for transportation via either fork lift truck, crane or mounted on a trailer.

Fitted as standard this machine has both digital volt and ammeter essential for welding and hour meter ensuring that the machine maintenance schedule can be easily tracked.

Not only has the Ranger 305 D been designed to provide flexibility and portability to our customers but to provide them with easy access for servicing. The unit has a flip-up service panel, which allows easy access to the engine.

Combined this with the easily accessible panels for battery and oil drain facilities makes it the most user friendly engine driven welder in the world.



Easy Access Maintenance Panel to Engine & Water

## ENGINE SPECIFICATION

Model	Type	Displacement	Electrical system	Operating Speed		Noise
				High idle	Low idle	
Kubota D722 (Diesel)	3 Cylinders, 4 cycle, water cooled	789cc	Electric start 12V, Group 58 battery, 550 cold cranking Amps	3100rpm	98 dBLWA 74 dBLWA @ 7M	
				2200rpm		
				3000rpm		

## WELDING OUTPUT

Item number	Current range	Duty cycle	OCV	Total loading @ 100%	Weight	Dimensions L x W x H (mm)
K2279-2* K2279-1**	CC/CV 20-300A	250A/30V/100%	62V	14,4kVA 11,5 kVA	341kg	1524 x 546 x 909

\* European version    \*\*UK version

## ACCESSORIES

Item number	Designation
K10397-1-INST	Undercarriage for highway towing
K10095-1-15M K10398	Remote output control, 15m 15m-extension cable for remote control box
K903-1	Spark arrestor
K10405-1-INST	High frequency kit contactor

## AUXILIARY POWER

Rated Voltages 1 Phase/3 Phase	Receptacles	Residual Current Device
220-240/1/50	1 x 240V, 15A	4 pole, 25A
400-415/3/50	1 x 415V, 20A	(30mA trip current)
110/1/50	1 x 115V, 15A (All circuit breaker protected)	



Easy Access Maintenance Panel to Battery



Easy Access Maintenance Panel to Oil Drain

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