

VANTAGE® 580 WELDER



PROCESSES

Stick, TIG, MIG, Flux-cored, Gouging

DESCRIPTION



TECHNICAL SPECIFICATIONS

Model	K2963-1
Output Range	Continuous Control; 30 - 580amp; CC/CV Range; 15 - 200amp; Touch Start™ TIG Range
CV Output	14 - 40 volts
AC Aux. Power*	20kW Receptacles 2 x 240V, 15A 1 x 415V, 32A
Rated Output*	500A, 40V at 100% 525A, 39V at 60% 20 - 250A DC TIG
Engine Model	Perkins ® 404D - 22T Turbo liquid cooled diesel engine
No. of Cylinders	4
HP and Speed (rpm)	43 at 1850
Weight (kg)	586
Dimensions H x W x D (mm)	913 x 642 x 1524

ADVANTAGE LINCOLN

Simple to Operate - Select one of five process modes, including CC-Stick, CC-Pipe, CC-Gouging, Touch-Start™ TIG or CV Wire and then dial in the desired output

Optimised CC-Stick Mode - CC-Stick mode is optimised for general purpose and E7018 low hydrogen electrodes

Arc Control Adjustment - Produces a soft, buttery arc or a more forceful, digging arc to suit your requirements

Touch-Start™ DC TIG Welding - Provides easy arc starting that avoids tungsten contamination and the use of high frequency

20kVA of Auxiliary Power - Able to power up to three inverter power sources to give you up to four stick electrode welding arcs for higher productivity. 240V and 415V IP66 rated outlets

Digital Volt/amp Meters - Built-in preset function makes it easy to precisely set your procedures

Arc Gouging - Arc gouging with up to 13mm carbons. New carbon arc gouging waveform delivers improved gouging performance including VRD

VRD Device - Factory-fitted, built-in voltage reduction device (VRD) offers additional protection for the operator. The VRD operates in the CC mode reducing the OCV to a safer <20 volts, increasing operator safety when welding is performed in environments with increased hazard of electric shock

Stainless Steel Enclosure - Standard stainless steel roof, side panels and engine access door deliver added protection and durability

STANDARD FEATURES

- **Large 76 Litre Fuel Tank** - Provides run time for an extended day - 9 hours of welding at 500A/40V/100% duty cycle output
- **Simple Controls** - Keep training time to a minimum with the straight forward control panel. The flip-down control panel door hides the less frequently used dials
- **Output at Welding Terminals Controlled by Electronic Contactor** - Can be switched to "Weld Terminals On" or to "Remotely Controlled"
- **Automated Remote Control Capability** - Output control is automatically switched from the machine to the remote mode when a remote device is connected (Standard 6 pin connector)
- **14-pin Connector for Lincoln Wire Feeders** - LF-72, LF-74 and LNTM-8. Also compatible with the NA-3 Control, LT-7 Tractor, Multi-Weld® 350 and LNTM-25 PRO Dual
- **Sliding Engine-Access Door** - Lockable engine-access door slides open for easy access in tight spaces
- **Lockable Battery Disconnect Switch** - Provides lockout/tagout capability
- **Oil Drain Valve and Tube** - To direct used engine oil away from base into pan
- **Two Vantage® 580 Units can be Paralleled** - In the CC-Stick Mode to increase output
- **Sound Rating** - No load 76 dBA at 7m, loaded 80 dBA at 7m



POWERFUL. DEPENDABLE. SAFER.

If you are looking for a rugged, reliable and capable welder for a demanding mining or construction site, a dependable hire fleet or for a quick turnaround repair job, the Vantage® 580 has all the power you need and the safety features modern standards demand. New standard features include a battery isolator switch for safer maintenance procedures and an engine stop button, to quickly shut the Vantage® 580 down in the event of an emergency. Simple controls and Chopper Technology® deliver the low maintenance, long service life, easy operation and great arc performance every owner demands in these environments.

This multi-process powerhouse features 500amp at 100%, or 525amp at 60% duty cycle, tested at temperatures of up to 40°C. Plenty of AC 240V and 415V auxiliary power – this unit delivers 20,000 watts. You can depend on the legendary engine reliability from Perkins® and superior Lincoln arc performance.