

# VANTAGE® 410

## 400A ENGINE DRIVEN WELDER

### MULTI-PROCESS CAPABILITY FOR CONSTRUCTION, PIPE LINES AND RENTAL FLEET APPLICATIONS

The compact and powerful Vantage® 410 CE engine-driven welder generator is an ideal choice for the construction industry, pipeline and rental fleet managers. The 4-cylinder Kubota® water-cooled diesel engine provides a machine with powerful power generation and multi-process welding modes including Stick/MMA, Lift/Touch TIG, arc gouging, CV with gas-shielded and self-shielded Innershield wires.

### GREAT PERFORMANCE

Patented and award-winning Lincoln Electric Chopper Technology® delivers superior DC arc welding performance for general purpose stick, downhill pipe, DC TIG, MIG, cored-wire and arc gouging. VRD™ (Voltage Reduction Device™) reduced OCV (open circuit voltage) in CC-stick welding mode for added safety.

Plenty of AC generator power ensures high auxiliary output on 3-phase or 1-phase capable of operating lights, grinders, power tools and inverter welding machines.



#### Processes

Stick, TIG, MIG, Flux-Cored, Gouging

#### Output



#### Input



## Why VANTAGE® 410 ?



- » **Compact Case with Stainless Steel Enclosure**  
Standard stainless steel roof, side panels and engine-access door deliver added protection and durability.
- » **Multi-Process Welding, Separate Arc Gauge Mode**  
Select one of five Process Modes, including CC-Stick, Downhill Pipe (for cellulosic electrodes), DC Touch Start TIG®, CV-Wire or Arc Gouging mode which maximizes output with up to 8mm carbon rods.
- » **VRD™ (Voltage Reduction Device™)**  
reduced OCV (open circuit voltage) in CC-stick welding mode for added safety.
- » **Reliable Engines**  
- 4 cylinder 1800 RPM Kubota® diesel engines run smooth and quiet. Engine gauges allow you to monitor performance at a glance.  
- 20 gallon fuel tank for long run time.
- » **Low Noise**  
97.0 dBA Lwa sound power – one of the quietest 400 amp engine-driven welders available.

## FRONT CONTROLS

1. Engine Gauges
2. Battery Isolator
3. Emergency Stop
4. Single phase 230VAC/16A/60Hz
5. Single phase 115VAC/30A/60Hz
6. Three phase 400VAC/16A/60Hz
7. VRD™ Low voltage display



## KEY ACCESSORIES

- **K2641-2** Four Wheeled Steerable Yard Trailer
- **K2636-1** Two Wheeled Trailer
- **GRD-400A-70-xM\*** Ground cable 400A - 70 mm<sup>2</sup> - 5/10/15 m
- **E/H-400A-70-xM** Electrode holder, 400A - 70 mm<sup>2</sup> - 5/10 m
- **K10376** Adapter M14/Dinse[F]
- **K10095-1-15M** Remote control (15 m)
- **K857 and K857-1** Remote control (7.6m/30.4m)
- **K870** Foot Amptrol®
- **K704** Accessory set 400A

## APPLICATIONS

- Chemical Plant
- Construction
- Pipeline
- Repair
- Rental

## FEATURES

- **Suitable for Petrochemical and other markets**
  - Includes emergency stop switch and battery isolator.
  - Capable of operating HF TIG with add-on module.
  - Standard spark arrestor.
- **Plenty of Auxiliary Power**
  - 30A of 115V will easily run a 9" grinder.
  - 400V 3 phase for TIG inverters and plasma cutters.
- **Rugged enough for Rental Use**
  - Durable Kubota V1505 22 hp engine.
  - Stainless steel sides, roof and door are dent resistant with long lasting good appearance.

## MACHINE SPECIFICATIONS

Product Number	Current/Voltage/Duty Cycle @ 40°C	Output Range	AC generator power	AC generator receptacles	Weight (kg)	Dimensions HxWxD (mm)
K4178-1	300A / 32V / 100% 410A / 23V / 100%	CC: 30 – 410 A CV: 14 – 32 V TIG: 20 – 250 A	12.5 kW1ph	115V/30A 1ph 230V/16A 1ph 400V/16A 3ph	488.0	913 x 643 x 1524

## ENGINE SPECIFICATIONS

Engine	Description	Horsepower @ 1800 rpm	Operation speeds (rpm)	Capacities	Noise
Kubota V1505 EPA Tier 4 Final	4 Cylinder naturally aspirated Water cooled Diesel Engine 12V electric start	22HP	High: 1890 RPM Full Load: 1800 RPM Low Idle: 1350 RPM	Fuel: 75.7 L (20 gal) Oil: 6.0 L (6.4 qts) Coolant: 6.8 L (7.2 gts)	Sound power: 97Lwa