

VANTAGE[®] 549X

Diesel Engine Driven Welder/Generator



Shown
K3534-2

Power Without Boundaries

POWERFUL

- Equipped with a 49.4 hp, turbocharged Deutz[®] diesel engine – Cross state borders without engine size fees
- True 500 amp machine (IEC rated)

DEPENDABLE

- Field-proven ruggedness - Encapsulated GFCIs, stainless steel paneling, and potted PC boards for added protection and durability
- Reliable cold-weather starting and high altitude performance

CAPABLE

- Expanded welding capabilities for stainless, aluminum, and steel as well as advanced SAW and orbital pipe modes¹
- Pulse welding capability for better arc control in out-of-position work and low heat input for critical welds¹
- CROSSLINC[®] ENABLED²
 - Change weld parameters at the arc without an additional control cable to help increase productivity, promote safety, and improve weld quality

(1) Requires ArcLink[®] Communications accessory.

(2) Requires CrossLinc enabled accessory.

Processes »

SMAW (Stick), FCAW (Flux-Cored), GMAW (MIG), GMAW-P (Pulsed MIG), GTAW (TIG), CAC-A (Arc Gouging)

Output »



Input »



Product Number »

K3534-2

Industries Served »

- Maintenance & Repair
- Pipeline
- Power Generation
- Shipbuilding
- Structural

Key Accessories »

- LN-25X[®] Wire Feeder
- Activ8X[®] Wire Feeder
- CrossLinc Remote
- PF-25M[™] Wire Feeder
- Large Two-Wheeled Trailer

MACHINE SPECIFICATIONS

| Product Name | Product Number | Rated Output @104°F (40°C) | Output Range | Open Circuit Voltage | AC Generator Auxiliary Power ⁽¹⁾ | Auxiliary Receptacles ⁽²⁾ | Dimensions ⁽³⁾ H x W x L in (mm) | Weight lb (kg) ⁽⁴⁾ |
|--------------|----------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Vantage 549X | K3534-2 | IEC Rating – 525A / 41V / 100% Max Rating – 575A / 38V / 60% | CC-Stick: 30 – 575 Amps Downhill Pipe (CC): 40 – 350 Amps Touch Start® TIG: 20 - 350 Amps CV-Wire: 10 – 45 Volts Arc Gouging: 60 – 575 Amps | 70 Max OCV @ 1800 RPM | Single Phase: 11 kW Continuous, 120V/240V @ 60 Hz Three Phase: 19 kW Continuous, 240V @ 60 Hz | NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-) | Machine Only: 42.0 x 32.9 ⁽³⁾ x 69.0 (1067 x 836 x 1753) To Top of Air Intake: 58.1 (1476) | 1662 (753) |

ENGINE SPECIFICATIONS

| Engine Model | Engine Description | Operating Speed (RPM) @ 49.4 HP | Displacement | Capacities |
|---------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Deutz® TD2.9L4 ⁽⁵⁾ Tier 4 Final Compliant | 4 Cylinder 49.4 HP (37 kW) Turbocharged Water Cooled Diesel Engine | High Idle: 1800 Low Idle: 1525 | 178 cu. in (2.9 L) Bore x Stroke 3.62 in x 4.33 in (92 mm x 110 mm) | Fuel: 25 US gal. (94.6 L) Oil: 2.25 US gal. (8.5 L) Cooling System: 4.1 US gal. (15.6L) |

(1) When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.

(2) Circuits cannot be wired in parallel to operate the same device.

(3) Includes width of door. Base width is 31.6" (803 mm).

(4) Machine only – Does not include fuel.

(5) Engine warranted separately by engine manufacturer.

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

Manufactured at a facility with certified ISO Quality and Environmental Management Systems.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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