



DUAL VANTAGE[®] 700

ENGINE-DRIVEN WELDER/GENERATOR

LINCOLN[®]
ELECTRIC



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DUAL VA



The Power of Two

On the construction site, along the pipeline or in any other rugged environment, welding must get done on time and with minimal rework. The mathematical solution is simple: two operators on the same engine drive can work twice as fast as one.

The Dual Vantage® 700 – driven by a 69 horsepower Cummins® Turbo Diesel – delivers plenty of power for two welding arcs with enough left over to run lights, grinders, plasma cutters and other tools. Gouge thick materials with up to a half-inch carbon while enjoying a smooth and controllable arc. And with the double stator design, the AC generator power circuit is completely separate from the weld circuits.

Double the potential of a single machine – and save time in the process – with the Dual Vantage 700.



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Easy to Use, Easy on the Budget

Save money

The Dual Vantage 700 saves you money not only at the time of purchase but every time you start it up. You're lowering your capital investment costs and your maintenance costs because you're buying and servicing one engine rather than two.

Weld right

Whether stick or wire welding, construction welders rarely use more than 300 amps. The Dual Vantage 700 delivers that and more to each operator while providing outstanding puddle control, even for difficult joints and positions.

Protection from the elements

Standard stainless steel roof, side panels and engine-access door deliver added protection, durability and corrosion resistance.

MACHINE SPECIFICATIONS

Product Name	Product Number	Rated Output @ 104°F(40°C) Current/Voltage/Duty Cycle	Rated Output ⁽¹⁾ @ 104°F(40°C) - Welder and Generator			H x W x D in (mm)	Net Weight lb (kg)
			Output Range	Open Circuit Voltage	Auxiliary Power ^{(2) (3)}		
Dual Vantage® 700 Cummins® T4i	K3996-2	Single Mode		60 Max OCV @ 1860 RPM	120/240 VAC Single Phase: 12,000 WATTS, 60Hz. Three Phase: 20,000 WATTS, 60 Hz.	Machine Only 36.9 x 28.5 x 77.0 (937 x 724 x 1956)	2095 (950)
		600A/44V/100% 650A/40V/60% 700A/38V/40%	30 - 700 Amps CC/CV 20 - 250 Amps TIG				
		Dual Mode					
		300A/32V/100% 325A/33V/60% 350A/34V/40%	30 - 400 Amps CC/CV 20 - 250 Amps TIG				

ENGINE SPECIFICATIONS

Product Name	Make/Model	Description	Speed (RPM)	HP @ Speed (RPM)	Displacement	Starting System	Capacities
Dual Vantage® 700 Cummins® T4i	Cummins® B3.3T ⁽⁴⁾ Turbo charged Diesel Engine EPA TIER 4 Interim	4 Cylinder, 4 Cycle, 69 HP (51.4 kw) Turbo-Charged Water Cooled Diesel Engine	High Idle 1800 Low Idle 1500	69 @ 1860	199 cu. In. (3.3L) Bore x Stroke 3.74 in x 4.53 in (95 mm x 115 mm)	12VDC Battery and Starter with Automatic Glow Plugs	Fuel: 25 US gal (94.6 L) Oil: 2 US gal (7.6 L)

⁽¹⁾ High Altitude: For maximum rating derate the output 5% for every 1,640 ft. (500 m) above 1,312 ft. (400 m).

⁽²⁾ Output rating in watts is equivalent to volt-amperes at unity power factor. When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.

⁽³⁾ Circuits cannot be wired in parallel to operate the same device.

⁽⁴⁾ Cummins® engine warranty is 3 years/3000 hours, 3 years/10,000 hours for major components.

DUAL VANTAGE 700 PACKAGES	Product Number	One-Pak® (Unassembled) (K3996-2-One-Pak)	Ready-Pak® 1 (shipped fully assembled) (K3996-2-RP1)	Ready-Pak 3 (shipped fully assembled) (K3996-2-RP3)	Ready-Pak 5 (shipped fully assembled) (K3996-2-RP5)
Large Welder Trailer	K2637-2	●	●	●	●
Fender and Light Kit (for Large Welder Trailer)	K2639-1	●	●	●	●
Cable Rack (for Large Welder Trailer)	K2640-1	●	●	●	●
Electrode Cable 2/0, two 50 ft. (15.3 m) lengths	K2485-2 (Qty 4)	●	●		●
Electrode Cable 2/0, 10 ft. (3 m)	K2483-2	●	●		●
Cable Connectors - two	K2487-1 (Qty 4)	●	●		●
400A Electrode Holder	K909-8 (Qty 2)	●	●		●
Work/Power Lead Package	K1803-2 (Qty 2)	●	●		●
LoJack® Device LO/JACK	K3006-1				●

● Included

ACCESSORIES	Product Number	Dual Vantage 700 Base Unit (K3996-2)
GENERAL		
Large Welder Trailer	K2637-2	•
Fender Kit	K2639-1	•
Cable Rack	K2640-1	•
Power Plug Kit - 20 amp	K802N	•
Full-KVA Power Plug (1-phase)	T12153-9	•
Full-KVA Power Plug (3-phase)	T12153-10	•
Full-KVA Adapter Kit (1-Phase)	K1816-1	•
Four-Wheeled Steerable Yard Trailer	K2641-2	•
Accessory Kit	K704	•
STICK		
Remote Output Control - 25 ft (6 pin connector)	K857	•
Remote Output Control - 100 ft (6 pin connector)	K857-1	•
Remote Output Control - 25 ft (12 pin connector)	K857-2	•
Remote Output Control with 120V AC Receptacles - 100 ft	K2627-2	•
TIG		
Pro-Torch™ PTA-26V TIG Torch	K1783-9	•
Magnum® Parts Kit for PTA-26V TIG Torch	KP509	•
Foot Amptrol™	K870	•
Hand Amptrol™	K963-3	•
MULTI-PROCESS		
Invertec® V350 PRO Multi-Process Welder (Construction Model)	K1728-5	•
WIRE FEEDER		
LN-8 Wire Feeder	K297	
Magnum® SG Spool Gun	K487-25	•
SG Control Module	K488	•
Input Cable (for SG Control Module)	K691-10	•
LN-25 Ironworker® Wire Feeder	K2614-9	•
K126™ PRO Innershield® Gun	K126-12	•
PLASMA CUTTING		
Tomahawk® 1000	K2808-1	•

• Optional

CUSTOMER ASSISTANCE POLICY

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