

Vantage® Engine Driven Welder Selection Guide



	Vantage 322	Vantage 435X	Vantage 441X	Vantage 549X	Vantage 566X	Air Vantage® 566X	Air Vantage 566X Hydraulic
Product Number	K2409-5	K4107-3	K4535-1	K3534-2	K3239-3	K3242-3	K4343-4
Rated Welding Output	IEC - 300A / 32V / 100% MAX - 400A / 23V / 100%	IEC - 400A / 36V / 100% MAX - 520A / 30V / 60%	IEC - 400A / 36V / 100% MAX - 520A / 30V / 60%	IEC - 525A / 41V / 100% MAX - 575A / 38V / 60%	IEC - 575A / 43V / 100% MAX - 600A / 40V / 60%	IEC - 575A / 43V / 100% MAX - 600A / 40V / 60%	IEC - 575A / 43V / 100% MAX - 600A / 40V / 60%
Auxiliary Output (Continuous Rating)	3-Ph: 11 kW 1-Ph: 10 kW	3-Ph: 17 kW 1-Ph: 11 kW	3-Ph: 17 kW 1-Ph: 11 kW	3-Ph: 19 kW 1-Ph: 11 kW	3-Ph: 20 kW 1-Ph: 12 kW	3-Ph: 20 kW 1-Ph: 12 kW	3-Ph: 20 kW 1-Ph: 12 kW
Auxiliary Receptacles	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)	NEMA 5-20R (120V / 20A / 1-) NEMA 14-50R (120/240V / 50A / 1-) NEMA 15-50R (240V / 50A / 3-)
Case Size	Small	Medium	Medium	Large	Large	Large	Large
Case Dimensions (H x W x L)	35.9" x 25.3" x 60.0" (913 x 642 x 1524)	39.1" x 28.4" x 65.1" (994 x 721 x 1654)	39.1" x 28.4" x 65.1" (994 x 721 x 1654)	42.0" x 32.9" x 69" (1067 x 836 x 1753)	42.0" x 32.9" x 69" (1067 x 836 x 1753)	42.0" x 32.9" x 69" (1067 x 836 x 1753)	42.0" x 32.9" x 69" (1067 x 836 x 1753)
Weight	1035 lb. (469 kg)	1414 lb. (641 kg)	1414 lb. (641 kg)	1662 lb. (753 kg)	1662 lb. (753 kg)	1737 lb. (788 kg)	1800 lb. (816 kg)
Engine Model	Kubota® V1505 Tier 4 Final Compliant	Deutz® D2.9L4 Tier 4 Final Compliant	Perkins® 404F-E22T Tier 4 Final Compliant	Deutz® TD2.9L4 Tier 4 Final Compliant	Deutz® TD2.9L4 Tier 4 Final Compliant	Deutz® TD2.9L4 Tier 4 Final Compliant	Deutz® TD2.9L4 Tier 4 Final Compliant
Engine Description	4 Cylinder Naturally Aspirated Water Cooled Diesel Engine	4 Cylinder Naturally Aspirated Water Cooled Diesel Engine	4 Cylinder Turbocharged Water Cooled Diesel Engine	4 Cylinder Turbocharged Water Cooled Diesel Engine	4 Cylinder Turbocharged Water Cooled Diesel Engine	4 Cylinder Turbocharged Water Cooled Diesel Engine	4 Cylinder Turbocharged Water Cooled Diesel Engine
Engine Horsepower	22.0 hp [16.4 kW]	34.8 hp [26 kW]	41.0 hp [30.6 kW]	49.4 hp [37 kW]	65.7 hp [49 kW]	65.7 hp [49 kW]	65.7 hp [49 kW]
Fuel Type	Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel	Ultra Low Sulfur Diesel
Fuel Tank Size	20 US gal. (75.7 L)	20 US gal. (75.7 L)	20 US gal. (75.7 L)	25 US gal. (94.6 L)	25 US gal. (94.6 L)	25 US gal. (94.6 L)	25 US gal. (94.6 L)
Jump Start Terminals						✓	✓
Additional Functions						Air Compressor	Air Compressor Hydraulic Pump
ArcLink® Communications (Advanced Welding Capability)		✓	✓	✓	✓	✓	✓
CrossLinc® Enabled (Full Output Control at the Arc)		✓	✓	✓	✓	✓	✓

STANDARD FEATURES	
Welding Processes	Superior multiprocess welding - SMAW, GMAW, FCAW, GTAW, and CAC-A
Chopper® Technology	Provides easy arc starting, smooth arc action, low spatter levels, and excellent bead appearance
Downhill Pipe Mode	Specialized mode for pipe welding with sloped volt-amp curve
Stainless Steel Case	Extra protection against harsh environments
Raised Fuel Cap	Better access to refuel the machine from all sides
Easy Service Access	Removable slide door, dashboard gauges, battery tray, and oil drain valve
Dual Operator	Run an inverter off the auxiliary power for a 2nd arc
Quality Features	Lab tested, field proven ruggedness for in the harshest environments
3-Year Warranty	Standard on all Lincoln Electric engine driven welders

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