300 AMP WELDER

This powerful 300 amp DC welder delivers both CC/CV welding capability and up to 10.5kW of AC power. Use simultaneously as a welder while supplying power for other job site tools.

DLW300ESA1

- **Low noise level** — produces only 67 dBA.
- **Outstanding arc characteristics** plus the ability to connect machines together for parallel operation.
- **Ultra-clean AC power** — voltage regulation ±1.5%.
- **Full-panel GFCI protection** that is OSHA and NEC compliant.
- **E-Mode** improves fuel efficiency by allowing the operator to weld with engine at idle speed at up to 160 amps. Reduces operating costs and noise levels.
- **Arc Force Control** allows the operator to fine tune DC current during low voltage welding conditions and helps prevent electrodes from sticking during short arc length welding.
- **Dependable Tier 4 Kubota diesel engine** is backed by a three-year engine manufacturer's warranty. A standard self-priming fuel system allows quick starting even if the engine is run dry. Automatic idle control is standard for improved fuel economy.
- **Safety shut-downs** are provided for water, oil level and DC thermal overload.
- **Available accessories** include welding cables, wire remotes, battery tenders, fuel heaters, trailers and wheel kits. Trailers can be outfitted with an extended runtime fuel cell, welding cable carriers and a large capacity tool box.

Welding Applications	DLW
SMAW — Shielded Metal Arc Welding	•
FCAW — Flux Core Arc Welding	•
GMAW — Gas Metal Arc Welding	•
GTAW — Gas Tungsten Arc Welding	•
ACAC — Air Carbon Arc Cutting	•

Full instrumentation is protected by a lockable cover panel. LED display provides clear readouts for both CC and CV selections.

Remote Control

Optional remote control allows the operator to adjust amperage/voltage up to 100 feet away from the machine.

DLW300ESA1
300 amp welder
10.5kW AC output
Kubota diesel engine

Specifications

MODEL	GAW135H	GAW180HEA	SDW225SSA1	DLW300ESA1	DLW330X2	DLW400ESA4	DLW500ESA4
DC WELDER FEATURES							
DC Rated Voltages (Single Operation)	25.2 (CC)	26.8 (CC)	28(CC)/20(CV)	31.2(CC)/28(CV)	31.2(CC)/28(CV)	34(CC)/31.5(CV)	36.5(CC)/38.0(CV)
DC Rated Voltages (Dual Operation)	N/A	N/A	N/A	N/A	26.6 (CC) / 22.3 (CV)	27(CC) / 22.8(CV)	26.5(CC)/30.0(CV)
CV Voltage Ranges, (Single/Dual Operation)	N/A	N/A	15-28V	14-32V	14-33V/14-28V	14-35V/14-28V	14-40V/14-29V
DC Current Ranges, amps (Single Operation)	40-135A	30-180A	50-225A	30-300A	30-340A	30-400A	30-500A
DC Current Ranges, amps (Dual Operation)	N/A	N/A	N/A	N/A	30-200Ax2	30-200Ax2	30-280A
100% Duty Cycle @ 100%, amps	40% @ 135A	50% @ 180A	200A @ 22V	280A @31.2V	280A @ 31.2V/ 165A@ 26.6Vx2	350A@ 34V/ 175A@ 27Vx2	500A @ 30V
Constant Voltage — Constant Voltage (CV)	N/A	N/A	Standard				
Constant Current — Constant Voltage (CC)	SMAW	SMAW, FCAW	SMAW; FCAW; GMAW; GTAW; ACAC				
AC OUTPUT							
Maximum Output — kw AC Single Phase	1.5	3.0	6.0	10.5	10.5	14	14.0
Frequency	60						
Voltage	120 V		120/240 V				
Amperage	12.5	25.0	50.0 / 25.0	80.0 / 40.0	87.0 / 44.0	116.0 / 58.0	116.0 / 58.0
Voltage Regulation	5%	5%	3 %	1.5%	1.5%	1.5%	1.5%
Receptacles (see chart below)	A	A, C	A, C, F	A, C, E, H	A, C, E, H	A, C, E, H	A, B, E, H
ENGINE FEATURES							
Manufacturer / Engine Model	Honda GX200	Honda GX340	Kubota Z482	Kubota D722	Kubota D902	Kubota D902	Isuzu 4LE2T
HP‡‡; RPM	6.5 HP; 3600 RPM	9.5 HP; 3600 RPM	12.0 HP; 3600 RPM	19.0 HP; 3600 RPM	24.0 HP; 3600 RPM	24.0 HP; 3600 RPM	40.2 HP; 1800 RPM
Fuel Type	Gasoline	Gasoline	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel Tank Capacity — gal.	1.9	3.7	6.6	9.5	9.5	11.1	17.7
Fuel Consumption @ Rated Load — gph	0.48	0.7	0.7	1.1	1.1	1.3	1.59
Starting Method	Recoil	Recoil with Electric/ Battery not included	Electric with Battery				
GENERAL FEATURES							
Simultaneous Use — AC/DC	No	Standard					
Noise Level — dBA @ 23 feet	75	76	63	67	66	70	65
Lifting Bale	No	Standard					
External Drains — Oil, Fuel, Water	N/A	N/A	Standard				
Automatic Safety Shutdowns	Oil Pressure	Oil Pressure	Oil Pressure; Water Temperature; Thermal Switch DC; Low Battery Charger				
DIMENSIONS AND WEIGHT							
Dimensions — L x W x H in.	22 x 19 x 21	28 x 22 x 26	45 x 26 x 32	51 x 27 x 33	51 x 27 x 33	61 x 29 x 35	80 x 33 x 45
Dry Weight lbs.	114	236	675	849	893	1,028	1,960
OPTIONS							
Trailers	N/A	N/A	TRLR10W; TRLRMP; TRLRMPXF*		TRLRMP; TRLRMPXF*	TRLRMP; TRLRMPXF*	TRLR501XF**; TRLR502XF***
Trailer Storage Box	N/A	N/A	MQPSBTRLRMP				MQPSBTRRL502
Trailer Spare Wheel and Tire	N/A	N/A	MQPSTTRLRMP				MQPSTTRLR502
Cable Carrier	N/A	N/A	MQPCCTRLRMP				MQPCCTRLR502
Wheel Kit	UWKB	N/A	WKT225A	N/A	N/A	N/A	N/A
Wired Remote Control	N/A	N/A	SDWWRKIT225	DLWWRKIT300	DLWWRKIT400		DLWWRKIT500
Oil Pan Heater	N/A	N/A	HEADPADKIT				
Fuel Heater	N/A	N/A	N/A	N/A	N/A	MQPILHEATERKITE	N/A

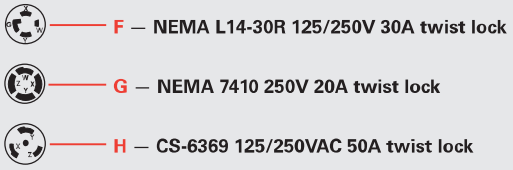
*TRLRMPXF has built-in 28 gallon fuel cell
**TRLR501XF has built-in 40 gallon fuel cell
***TRLR502XF has built-in 80 gallon fuel cell

WELDING CABLE ACCESSORIES			
Cable Size & Length	Electrode Holder w/Cable	Ground Clamp w/Cable	Current Rating
1/0 Cable, 50 Ft.	10E50	10G50	350Amps @ 60% Duty Cycle
1/0 Cable, 100 Ft.	10E100	10G100	350Amps @ 60% Duty Cycle
1/0 Cable, 150 Ft.	10E150	10G150	350Amps @ 60% Duty Cycle
#2 Cable, 25 Ft.	2E25	2G25	500Amps @ 60% Duty Cycle
#2 Cable, 50 Ft.	2E50	2G50	500Amps @ 60% Duty Cycle

RECEPTABLE IDENTIFICATION CHART

A — NEMA 5-20R 125V duplex 20A w/GFCI
B — NEMA L5-20R 125V 20A twist lock
C — NEMA L5-30R 125V 30A twist lock
D — NEMA L6-20R 250V 20A twist lock
E — NEMA L6-30R 250V 30A twist lock

Match the letter codes in the specification table to the receptacles below.



F — NEMA L14-30R 125/250V 30A twist lock
G — NEMA 7410 250V 20A twist lock
H — CS-6369 125/250VAC 50A twist lock

‡ All horsepower ratings are supplied by engine manufacturers.

‡‡ The power rating of the Honda engine indicated in this document is the net power output tested on a production engine for the engine model and measured in accordance with SAE J1349 at 3600 rpm. Mass production engines may vary from this value. Actual power output for the engine installed in the final machine will vary depending on numerous factors, including the operating speed of the engine in application, environmental conditions, maintenance and other variables.

Connect with us on