WELDERS

Quiet and Dependable Welding Performance.

MULTIQUIP

Multiquip welders deliver premium performance in sizes ranging from 135 amps to 500 amps. Whether you are looking for a gasoline-powered machine for small repairs or a large diesel-powered machine for service truck or industrial applications Multiquip has the best welders in the industry.

GAW135H
135 amp welder
1.5kW AC output
Honda engine, recoil start

GAW180HEA
180 amp welder
3kW AC output
Honda engine, recoil/electric start
Battery sold separately
Battery specifications: 12N243A / MQ# 0162212024

GAW135H

- **Permanent magnet alternator design** significantly reduces overall weight compared to other welders in its class.
- **Compact design** fits easily in the box of a service truck or the basket of high reach equipment. At only 114 pounds it's easy to move around the job site.
- **135 Amp DC Welder and 1.5kW 120VAC output** is ideal for hard to reach areas such as rooftops or air conditioner repair. Note: Simultaneous operation not available on this unit.
- **Powered by a Honda GX200** engine with recoil start and standard idle control and low-oil shutdown.
- **Full-panel GFCI protection** that is OSHA and NEC compliant.

GAW180HEA

- **Ultra-clean AC power** — voltage regulation ±3%
- **Permanent magnet alternator design** reduces overall weight up to 30% compared to other welders in its class.
- **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.
- **180 Amp DC Welder and 3.0kW 120V AC output —** operator can simultaneously use both features.
- **Powered by a Honda GX340** engine with push-button electric start and recoil start. Idle control and low-oil shutdown are standard.
- **Full-panel GFCI protection** that is OSHA and NEC compliant.

Welding Applications	GAW135H	GAW180HEA
SMAW — Shielded Metal Arc Welding	•	•
FCAW — Flux Core Arc Welding	•	•
GMAW — Gas Metal Arc Welding	N/A	•
GTAW — Gas Tungsten Arc Welding	N/A	N/A
ACAC — Air Carbon Arc Cutting	N/A	N/A

225 AMP WELDER

SDW225SSA1

As a welder it delivers up to 225 amps of DC welding power in either CC (constant current) or CV (constant voltage) mode. Additionally, it provides up to 6kW of 120/240 volt AC power.

- **Low noise level** — produces only 63 dBA.
- **Outstanding arc characteristics** make it ideal for welding pipe and structural steel.
- **Ultra-clean AC power** — voltage regulation ±2%.
- **Full-panel GFCI protection** that is OSHA and NEC compliant.
- **Dependable Tier 4 Kubota diesel engine**, with electric start, 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.

Full instrumentation is protected by a lockable cover panel. Controls for both CC and CV welding, along with engine condition indicators, are included.

SDW225SSA1
225 amp welder
6kW AC output
Kubota diesel engine
Shown with optional trailer

Welding Applications	SDW
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	•

Remote Control

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

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

DLW330X2

- **Low noise level** — produces only 66 dBA.
- **Outstanding arc characteristics** plus the ability to connect machines together for parallel operation.
- **One or Two-man operation.** Independent controls and up to 200 amps for each operator or 340 amps for one operator.
- **SmartStick™** — this sensor automatically shuts off the engine during periods of no load and restarts it when the operator strikes the welding rod. The variable sensor — adjustable from one to 30 minutes — enables the operator to select the optimum working conditions and reduce fuel consumption.
- **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.
- **E-Mode** improves fuel efficiency by allowing the operator to weld with the engine at idle speed at up to 200 amps. Greatly reduces operating costs and noise levels.
- **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.

SmartStick

Innovative SmartStick technology automatically stops the engine if no welding or AC power is used for a preset time (One minute to 30 minutes). To restore power, the operator needs only to strike the welding stick.

Full instrumentation is protected by a lockable cover panel. LED display provides clear readouts.

Remote Control

Optional remote control allows operator to adjust amperage up to 100 feet away from the machine. When added to the DLW330X2, this option allows for two operators to weld simultaneously each with their own remote control.

DLW330X2
340 amp welder
10.5kW AC output
Kubota diesel engine
Dual (one or two man) operation

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	•

DLW400ESA4

- **Low noise level** — produces only 70 dBA.
- **Outstanding arc characteristics** plus the ability to connect machines together for parallel operation.
- **One or Two-man operation.** Independent controls and up to 200 amps for each operator or 400 amps for one operator.
- **Full-panel GFCI protection** that is OSHA and NEC compliant.
- **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.
- **E-Mode** improves fuel efficiency by allowing the operator to weld with the engine at idle speed at up to 240 amps. This standard feature greatly reduces operating costs and noise levels.
- **Arc Force Control** allows the operator to fine tune DC current during low voltage welding conditions. This standard feature helps prevent electrodes from sticking during short arc length welding.
- **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.

SmartStick

Innovative SmartStick technology automatically stops the engine if no welding or AC power is used for a preset time (One minute to 30 minutes). To restore power, the operator needs only to strike the welding stick.

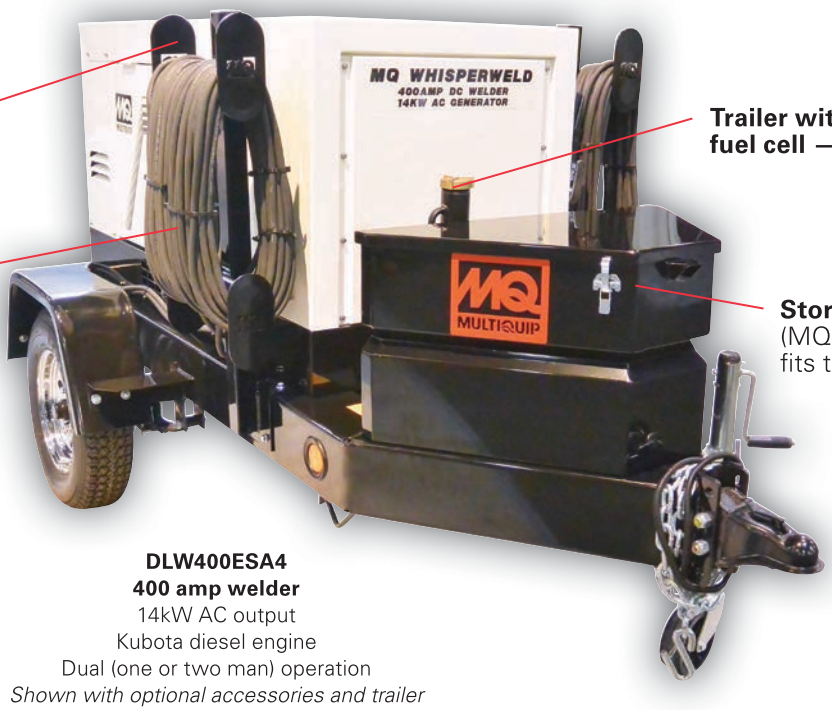
Full instrumentation is protected by a lockable cover panel. LED display provides clear readouts for both CC & CV selections.

Remote Control

Optional remote control allows operator to adjust amperage up to 100 feet away from the machine. When added to the DLW400ESA4, this option allows for two operators to weld simultaneously each with their own remote control.

Cable Carriers —
(MQPCCTRLRMP fits trailer TRLRMP)

Welding cable



Trailer with 28 gallon fuel cell — TRLRMPXF

Storage Box —
(MQPSBTRLRMP fits trailer TRLRMP)

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	•

DLW400ESA4
400 amp welder
14kW AC output
Kubota diesel engine
Dual (one or two man) operation
Shown with optional accessories and trailer

This commanding 500 amp DC welder delivers both CC/CV welding capability and up to 14 kW of AC power. Ideal for the largest applications where substantial penetration is required.

DLW500ESA4

- **Low noise level** — produces only 65 dBA.
- **Outstanding arc characteristics** plus the ability to connect machines together for parallel operation.
- **One or Two-man operation.** Independent controls of CC/CV selection and up to 280 amps for each operator or 500 amps for one operator.
- **Full-panel GFCI protection** that is OSHA and NEC compliant.
- **Dependable Tier 4 Isuzu diesel engine** is backed by a three-year engine manufacturer's warranty. Automatic idle control is standard for improved fuel economy.
- **Safety shut-downs** are provided for water, oil level and DC thermal overload.
- **E-mode** improves fuel efficiency by allowing one operator to weld up to 280 amps or two operators up to 180 amps.
- **Available accessories** include welding cables, wire remotes, battery tender, fuel heater and trailers (single or tandem axle). Trailers can be outfitted with an extended runtime fuel cell, welding cable carriers, and a large capacity tool box in most applications.

Full instrumentation is protected by a lockable cover panel. Includes DC voltage and amperage indicators for when in either CC or CV positions.

Remote Control

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

SmartStick

Innovative SmartStick technology automatically stops the engine if no welding or AC power is used for a preset time (One minute to 30 minutes). To restore power, the operator needs only to strike the welding stick.

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	•

DLW500ESA4
500 amp welder
14.0kW AC output
Isuzu diesel engine
Optional trailer available

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

All features and specifications are subject to change without notice.
REV 1021