



400 Amp Welder

DLW400ESA1

This CC (Constant Current) and CV (Constant Voltage) welder delivers up to 400 amps of operation for one man, or simultaneous two man operation with 200 amps of output per operator. Additionally, it provides up to 14 kW of 120/240 volt AC power.

- **Low noise level** — produces only 69 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 4i 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. Greatly 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.
- **Safety shut-downs** are provided for water, oil level and DC thermal overload.
- **Optional trailer** is available for highway towing.



Full instrumentation is protected by a vandal proof cover. LED display provides clear readout of load characteristics.

Remote Control

Optional remote control allows the operator to adjust amperage up to 100 feet away from the machine. DLW400ESA allows two operators to weld simultaneously, each with his own optional remote control.



The DLW400ESA allows two welders to work simultaneously — each with his own remote control.

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	✓

400 amp welder
14kW AC output
Kubota diesel engine
Single and dual operation
Optional remote controls
DLW400ESA1

Portable Welder Specifications

AUTEK MAQUINARIA 5392 7077

MODEL	GAW135H	BDW180MC	GAW180HEA	SDW225SSA1	DLW300ESA1	DLW330X2	DLW400ESA1	DAW500SA1
DC WELDER FEATURES								
DC Rated Voltages (Single Operation)	25.2 (CC)	26.8 (CC)	26.8 (CC)	28(CC)/15-28(CV)	31(CC)/14-33(CV)	31(CC)/14-33(CV)	34(CC)/14-36(CV)	38(CC)/22-40(CV)
DC Rated Voltages (Dual Operation)	N/A	N/A	N/A	N/A	N/A	26.6 (CC) / 14-28 (CV)	27 (CC) / 14-36 (CV)	N/A
DC Rated Current, amps (Single Operation)	135	170	180	225	300	340	400	500
DC Rated Current, amps (Dual Operation)	N/A	N/A	N/A	N/A	N/A	165A x 2	175A x 2	N/A
100% Duty Cycle @ 100%, amps	40% @ 135A	40% @ 120A	50% @ 180A	200A	280A	280A / 2 x 165A	350A / 2 x 175A	350A
Current Range, amp	40-135	30-180	30-180	50-225	30-300	30-340 / 2 x 30-200	60-400 / 2 x 30-200	50-500
Constant Voltage — Constant Voltage (CV)	N/A	N/A	N/A	Standard				
Constant Current — Constant Voltage (CC)	Standard							
Welding Processes	SMAW; FCAW; GMAW; GTAW; ACAC							
AC OUTPUT								
Maximum Output — kw AC Single Phase	1.5	N/A	3.0	6.6	9.6	10.5	14	3
Frequency	60							
Voltage	120 V	N/A	120 V	120/240 V				120 V
Amperage	12.5	N/A	25.0	50.0 / 25.0	80.0 / 40.0	87.0 / 44.0	116.0 / 58.0	25.0
Voltage Regulation	5%	N/A	5%	3 %	1.5%	1.5%	1.5%	7%
Receptacles (see chart below)	A	N/A	A, C	A, C, F	A, C, E, H	A, C, E, H	A, C, E, H	A, C
ENGINE FEATURES								
Manufacturer / Engine Model	Honda GX200	(5) 12V-12Ah Batteries	Honda GX340	Kubota Z482	Kubota D722	Kubota D902	Kubota V1305	Kubota D1803
No. Cylinders; HP; RPM	1; 6.5 HP; 3600 RPM	N/A	1; 9.5 HP; 3600 RPM	2; 12.0 HP; 3600 RPM	3; 19.0 HP; 3600 RPM	3; 24.0 HP; 3600 RPM	4; 31.5 HP; 3600 RPM	3; 34.5 HP; 2700 RPM
Fuel Type	Gasoline	N/A	Gasoline	Diesel	Diesel	Diesel	Diesel	Diesel
Fuel Tank Capacity — gal.	1.9	N/A	3.7	6.6	9.5	9.5	11.1	12.0
Fuel Consumption @ Rated Load — gph	0.48	N/A	0.7	0.7	1.1	1.1	1.5	1.5
Starting Method	Recoil with Electric/Battery not included	N/A	Recoil with Electric/ Battery not included	Electric with Battery				
GENERAL FEATURES								
Simultaneous Use — AC/DC	No	N/A	zStandard					
Noise Level — dBA @ 23 feet	75	N/A	76	63	67	66	69	74
Lifting Bale	No	No	Standard					
External Drains — Water	N/A	N/A	N/A	Standard				
External Drains — Oil, Fuel	N/A	N/A	N/A	Standard				
Automatic Safety Shutdowns	Oil Pressure	N/A	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	21 x 12 x 18	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	53 x 32 x 36
Dry Weight lbs.	114	129	236	675	849	893	1,092	1,072
OPTIONS								
Trailers	N/A	N/A	N/A	LTRL-10W*; TRLR-MPXF**	TRLR-10W; TRLR-MPXF**	TRLR-MP; TRLR-MPXF**	TRLR-MP; TRLR-MPXF**	TRLR-MP; TRLR-MPXF**
Wheel Kit	UWKA	Standard	UWKA	WKT225A	N/A	N/A	N/A	N/A
Remote Control	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Optional
*Requires adapter kit. ** TRLR-MPXF has built-in 28 gallon fuel cell								

*Requires adapter kit. ** TRLR-MPXF has built-in 28 gallon fuel cell

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



F — NEMA L14-30R 125/250V 30A twist lock



G — NEMA 7410 250V 20A twist lock



H — CS-6369 125/250VAC 50A twist lock

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

Welders Warranty: Models rated at 180 amps and below include a **two-year warranty** covering parts and labor.

Models rated at 225 amps and above include a **three-year (or 3,000 hours) warranty** covering parts and labor. Contact Multiquip for complete warranty information.

Welding Cable Information

2E50 — 50' #2 Cable with electrode holder
2E100 — 100' #2 Cable with electrode holder
2E150 — 150' #2 Cable with electrode holder
10E50 — 50' #1/0 Cable with electrode holder

10E100 — 100' #1/0 Cable with electrode holder
10E150 — 150' #1/0 Cable with electrode holder
2G50 — 50' #2 Cable with ground clamp
2G100 — 100' #2 Cable with ground clamp

2G150 — 150' #2 Cable with ground clamp
10G50 — 50' #1/0 Cable with ground clamp
10G100 — 100' #1/0 Cable with ground clamp
10G150 — 150' #1/0 Cable with ground clamp

‡ 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.

All features and specifications are subject to change without notice.
 MQWELD-397 Rev. L (01-12_BD)
 Units manufactured by Denyo Mfg. Co.

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