

Developing Technology for Tomorrow's Power Needs.

Denyo



DIESEL ENGINE-DRIVEN DC WELDER/AC GENERATOR

DCW-480ESW CC/ CV

**One Unit for
All Your Welding Needs!**

All-in-one

450A DC Arc Welding Power Source

DCW-480ESW can perform high-quality welding on pipelines and other welding methods. (Types of welding: Stick, Tig, Mig, Flux-cored, Gouging, etc.)

High-Capacity High-Performance Generator

The unit can also be used as a 15kVA/50Hz high-capacity generator. With a voltage regulation of within $\pm 1.5\%$. High-quality AC power can be used while welding is being performed.

Low Fuel Consumption and Long Life

The unit incorporate high-output diesel engine featuring low fuel consumption. Operation at low speed is easy on the engine, facilitating especially long life.

Special Design Facilitates Use in Virtually Any Location

The unit has been designed to operate in virtually all locations, from very hot to cold climates. It is ideal for high-quality welding and as a dependable source of power.



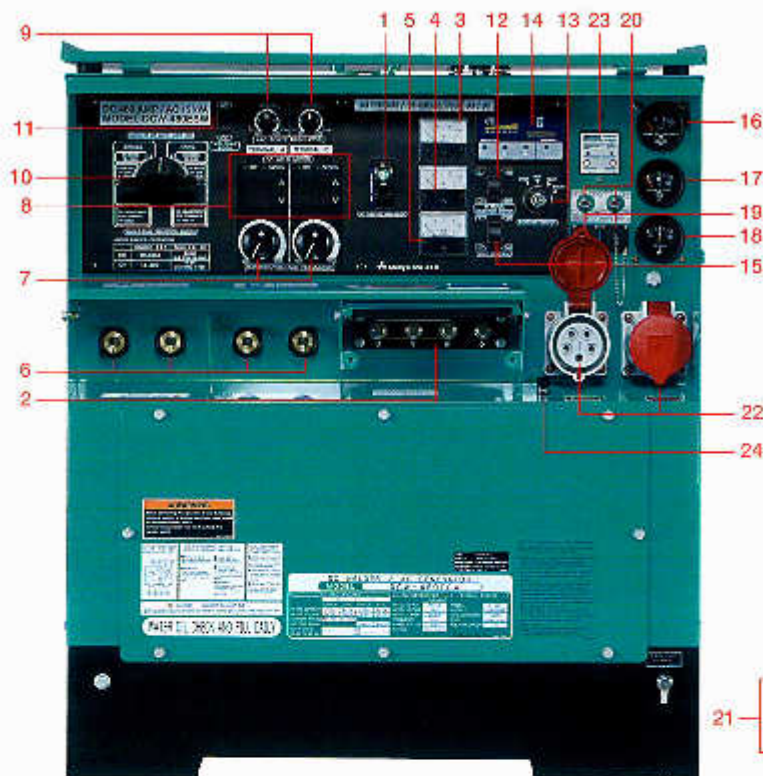
Denyo Co., Ltd.

HIGH PERFORMANCE/Multi-APPLICATION

DCW-480ESW CC/CV

DIESEL ENGINE-DRIVEN
DC WELDER/AC GENERATOR

Easy-to-use controls and operation integrated in one location.



OPTION SET 1

- 16.Oil Pressure Gauge
- 17.Water Temperature Gauge
- 18.Battery Charging Ammeter

OPTION SET3

- 22.3-Phase AC Output Receptacle

OPTION SET 2

- 19.Remote Control Receptacle
- 20.Remote Control Switch
- 21.Remote Control Box

OPTION SET4

- 23.Earth Leakage Relay
- 24.Ground Terminal (for ELR)



- 1.AC Circuit Breaker
- 2.3-Phase output Terminal
- 3.AC Voltmeter
- 4.AC Ammeter
- 5.Frequency Meter
- 6.DC Welding Output Terminal
- 7.Current / Voltage Regulator
- 8.Digital Panel (DC Voltmeter, DC Ammeter)
- 9.Arc Force Regulator
- 10.SINGLE-DUAL Selector Switch
- 11.CC-CV Selector Switch
- 12.g mode Switch
- 13.Starter Switch
- 14.Engine Monitor Warning Lamp Unit (Oil Press. / Water Temp. / Charging / Preheat) Hour Meter • Fuel Meter
- 15.Idle Control Switch

SPECIFICATION

SPEC./MODEL		DCW-480ESW							
Frequency		Hz	50						
DC WELDING OUTPUT	Rated output	kW	CC:17.1/CV:16.4						
	Rated current	A	450						
	Rated voltage	V	CC:38.0/CV:36.5						
	Single	Current Range	A	CC:60~480					
		Voltage Range	V	CV:14~37					
	Dual	Current Range	A	CC:30~240					
		Voltage Range	V	CV:14~37					
	Rated Speed	min ⁻¹	3000						
	Duty Cycle	%	60						
	AC POWER OUTPUT	Three Phase	Rated output	kVA	15				
Rated voltage			V	200	220	380	400	415	440
Rated current			A	43.3	39.4	22.8	21.7	20.9	19.7
No. of Phase			3-Phase 4wire						
Power Factor			0.8 (Lag)						
Excitation			Brushless type (with AVR)						
No. of poles			2						
Insulation			Class F						

ENGINE	Maker/Model	KUBOTA/V1505		
	Type	Water-cooled diesel engine		
	Number of cylinders	4		
	Bore×Stroke	mm	78X78.4	
	Total displacement	L	1.498	
	Rated output	kW/min ⁻¹	25.2/3000	
	Battery	12V-70Ah (80D26R)		
	Fuel	DIESEL FUEL ASTM NO.2 or eq.		
	Fuel tank capacity	L	45	
	Lubricating oil capacity	L	6.0 (Oil pan 5.8L+Oil filter 0.2L)	
	Cooling water capacity	L	5.45 (Reserve Tank included)	
	SET	Length	mm	1540
		Width	mm	720
Height		mm	885	
Dry weight		kg	500	
Total weight		kg	558	

Direct Inquiries to the nearest Denyo distributor or to Denyo Co., Ltd.



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