Power Source Technology for the fucture.



### **All in one Processes:**

Stick (SMAW)-CC MIG (GMAW)-CV DC Lift TIG (GTAW) -CC Air Carbon ARC (CAC-A) Submerged ARC (SAW)



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



#### 450A DC Arc Welding Power Source

DCW-480ESW can perform high-quality welding on

pipelines and other welding methods. welding: Stick, Tig, Mig, Flux-cored, Gouging, etc.

#### High-Capacity High-Performance Generator

The unit can also be used as a 15kVA/50Hz highcapacity 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.



### **HIGH PERFORMANCE/Multi-APPLICATION**

#### DIESEL ENGINE-DRIVEN DC WELDER/AC GENERATOR

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



### SUPERIOR WELDING EFFECT

WELDING EFFECST:





### **Equipment application site**





### Configurable automatic pipeline welding





# DCW-305ESW CC/CV

#### **SPECIFICATION**

	SPI	EC./N	NODEL		DCW-	305ESW	
	Frequency Hz			Hz	50		
	Ra	ted o	utput	kW	CC:7.5/	CV:7.2	
	Ra	ted c	urrent	А	3	600	
ŰZ_	Ra	ted v	oltage	V	CC:38.0	)/CV:36.5	
DC WELDING OUTPUT	Si	ngle	Current Ra	ange A	CC:60~300		
DCV	Voltage Range V		ange V	CV:14~29			
	Ra	ted S	peed	min-1	3000		
	Du	ty Cy	cle	%	60		
		Rate	ed output	kVA	7.5		
		Rate	ed voltage	V	3 phase 415V	1 phase 240V	
E H	se	Rate	ed current	А	15	8.3	
AC POWI OUTPU	Phase	No. of Phase			3-Phase 4wire		
42	ëe F	Power Facter Excitation		0.8 (La	igging)		
A0	Three			Brushless ty	pe (with AVR)		
		No.	of poles			2	
		Insu	lation		CI	ass F	

	Maker/Model		KUBOTA D722
	Туре		Water-cooled diesel engine
	Number of cylinders		3
	Bore×Stroke	mm	67.0X68.0
ENGINE	Total displacement	L	0.719
Q	Rated output kW	//min-1	11.3/3000
Ē	Battery		50D26R
	Fuel		DIESEL FUEL ASTM NO.2 or eq.
	Fuel tank capacity	L	45
	Lubricating oil capacity	L	4.2 (Oil pan 4.0L+Oil filter 0.2L)
	Cooling water capacity	L	4.5 (Reserve tank included)
	Length	mm	1350
L	Width	mm	650
SET	Height	mm	880
•	Dry weight	kg	326
	Total weight	kg	364

### **DCW-400ESW CC/CV**

#### SPECIFICATION

	SPE	EC./N	NODEL		DCW-4	400ESW	
	Fre	equen	псу	Hz	50		
	Ra	ted o	utput	kW	CC:10.5/CV:10.0		
	Ra	ted c	urrent	А	4	100	
ŰZ_	Ra	ted v	oltage	V	CC:38.0	0/CV:32.5	
DC WELDING OUTPUT	Si	ngle	Current Ra	ange A	CC:6	0~400	
DCV	Voltage Range V		ange V	CV:14~32.5			
	Ra	ted S	peed	min <sup>-1</sup>	3000		
	Du	ty Cy	cle	%	60		
		Rate	ed output	kVA	10.5		
~		Rate	ed voltage	V	3 phase 415V	1 phase 240V	
E L	se	Rate	ed current	А	24	12.5	
<b>SE</b>	pha	No.	of Phase		3-Phas	e 4wire	
AC POW OUTPI	ee	Rated current     A       No. of Phase       Power Facter       Excitation		0.8 (La	00 0		
A	Thr			Brushless ty	pe (with AVR)		
		No.	of poles			2	
		Insu	lation		CI	ass F	

	Maker/Model	KUBOTA D902
	Туре	Water-cooled diesel engine
	Number of cylinders	3
	Bore×Stroke mm	72.0X73.6
ENGINE	Total displacement L	0.898
Ð	Rated output kW/min <sup>-1</sup>	15.5/3000
Ĩ	Battery	50D26R
	Fuel	DIESEL FUEL ASTM NO.2 or eq.
	Fuel tank capacity L	40
	Lubricating oil capacity L	4.2 (Oil pan 4.0L+Oil filter 0.2L)
	Cooling water capacity L	4.5 (Reserve tank included)
	Length mm	1400
L	Width mm	650
SET	Height mm	880
•	Dry weight kg	380
	Total weight kg	425

# DCW-480ESW CC/CV

#### **SPECIFICATION**

SPE	EC./N	IODEL			D	CW-4	80ESV	N	
Frequency Hz			50						
Ra	ted o	utput	kW		CC	C:17.1	/CV:16	6.4	
Ra	ted cu	urrent	А			45	50		
Ra	ted vo	oltage	V		CC	C:38.0	/CV:36	6.5	
0:	a la	Current Ra	ange A			CC:60	~480		
Sin	gie	Voltage Ra	ange V			CV:14	4 <b>~</b> 37		
Du	al	Current Ra	ange A			CC:30	~240		
Du	ai	Voltage Ra	ange V	CV:14~37					
Ra	ted S	peed	min-1	3000					
Du	ty Cy	cle	%	60					
	Rate	ed output	kVA	15					
	Rate	ed voltage	V	200	220	380	400	415	440
se	Rate	ed current	А	43.3 39.4 22.8 21.7 20.9 19.7					19.7
ha	No.	of Phase		3-Phase 4wire					
e F	Power Facter			0.8 (Lagging)					
Γhr€	Excitation			В	rushle	ss typ	e (wi	ith AVF	<b>(</b> )
	No.	of poles				:	2		
	Insu	lation				Cla	ss F		
	Fre Ra Ra Sin Du	Frequent Rated or Rated or Rated or Dual Dual Rated S Duty Cy Rate Rate Rate Rate Rate Rate Rate Rate	Rated output         Rated current         Rated current         Rated current         Burner         Current Rated         Voltage Rated         Voltage Rated         Rated Speed         Duty Cycle         Rated output         Rated output         Rated output         Rated current         Rated current         No. of Phase	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c } Frequency Hz & Hz \\ \hline Rated \cup two kW & Hz \\ \hline Voltage Range V & V \\ \hline Rated \cup two kW & Hz \\ \hline Rated \cup two kW & V \\ \hline Rated \cup two kV & V \\ \hline Rated & \cup$ two kV & V \\ \hline Rated $\cup$ two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \cup two kV & V \\ \hline Rated & \bigcup two kV	$\begin{array}{c c c c c c } Frequency Hz & \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\begin{tabular}{ c c c c } \hline Frequency Hz & $$$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $	$\begin{tabular}{ c c c c } \hline Frequency Hz & $$$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $	$\begin{tabular}{ c c c c } \hline Frequency Hz & $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

Maker/Model		KUBOTA/V1505
Туре		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		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	4.85 (Reserve tank included)
Length	mm	1540
Width	mm	720
Height	mm	880
Dry weight	kg	500
Total weight	kg	558
	Type Type Number of cylinders Bore×Stroke Total displacement Rated output kW Battery Fuel Fuel Fuel tank capacity Lubricating oil capacity Cooling water capacity Length Width Height Dry weight	Type         Number of cylinders         Bore×Stroke       mm         Total displacement       L         Rated output       kW/min-1         Battery       kt         Fuel

### **DCW-600ESW CC/CV**

#### SPECIFICATION

SPEC./MODEL									Λ/	
-						DCW-600ESW				
	⊢re	equen	юу	Hz			5	0		
	Ra	ted o	utput	kW		CC	C:17.1	/CV:16	6.4	
	Ra	ted c	urrent	А			60	00		
۳ ۲	Ra	ted v	oltage	V		CC	C:38.0	/CV:36	6.5	
22	C:-		Current R	ange A			CC:60	~600		
	51	igle	Voltage R	ange V			CV:14	4 <b>~</b> 37		
22	Du	al	Current R	ange A			CC:30	~300		
a	Du	a	Voltage R	ange V			CV:14	4 <b>~</b> 37		
	Ra	ted S	peed	min-1	1500					
	Du	ty Cy	cle	%	60					
		Rate	ed output	kVA	24					
- 4		Rate	ed voltage	V	200	300	400	450	560	600
Ĕ	se	Rate	ed current	А	43.3 39.4 22.8 21.7 20.9 19.7					19.7
S <sup>L</sup>	Pha	%     Rated current     A       No. of Phase     No. of Phase       %     Power Facter			3-Phase 4wire					
45	e F			0.8 (Lagging)						
AC POWE	Three	Excitation			B	rushle	ess typ	e (w	ith AVF	२)
		No. of poles					:	2		
		Insu	lation				Cla	iss F		

	Maker/Model	KUBOTA 2403
	Туре	Water-cooled diesel engine
	Number of cylinders	4
	Bore×Stroke mm	87.0X102.4
ENGINE	Total displacement L	2.434
Q	Rated output kW/min <sup>-1</sup>	33.6/1500
Ē	Battery	120D26R
	Fuel	DIESEL FUEL ASTM NO.2 or eq.
	Fuel tank capacity L	60
	Lubricating oil capacity L	9.5 (Oil pan 5.8L+Oil filter 0.2L)
	Cooling water capacity L	8.85 (Reserve tank included)
	Length mm	1600
L	Width mm	720
Ĩ	Height mm	885
•,	Dry weight kg	630
	Total weight kg	758
SET	Width     mm       Height     mm       Dry weight     kg	720 885 630



ISO 9001 : 2015 ISO 14001 : 2015 Certified



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# **DCW-800ESW CC/CV**

#### **SPECIFICATION**

	SPE	EC./N	/IODEL		DCW-800ESW					
Frequency Hz			50							
	Ra	ted o	utput	kW		CC	C:17.1	/CV:16	6.4	
	Ra	ted cu	urrent	А			80	00		
ŰZ.	Ra	ted vo	oltage	V		CC	C:38.0	/CV:36	6.5	
35	0	a la	Current Ra	ange A			CC:60	~800		
栗	Sin	gle	Voltage Ra	ange V			CV:14	4 <b>~</b> 37		
50 OC	Du	al	Current Ra	ange A			CC:30	~400		
ă	Du	Voltage Range V		ange V	CV:14~37					
	Ra	ted S	peed	min-1	1500					
	Du	ty Cy	cle	%	60					
		Rate	ed output	kVA	15					
		Rate	ed voltage	V	200	220	380	400	415	440
L E E	se	Rate	ed current	А	43.3	39.4	22.8	21.7	20.9	19.7
AC POWE OUTPU	Phase	No.	of Phase		3-Phase 4wire					
42	e F	Power Facter			0.8 (Lagging)					
<b>P</b> AO	Three	Excitation			Brushless type (with AVR)					
		No. of poles					:	2		
		Insu	lation				Cla	iss F		

	Maker/Model		Kubota V3300
	Туре		Water-cooled diesel engine
	Number of cylinders		4
	Bore×Stroke	mm	78X78.4
Z	Total displacement	L	1.498
ENGINE	Rated output kW	//min-1	25.2/3000
Ē	Battery		80D26R
	Fuel		DIESEL FUEL ASTM NO.2 or eq.
	Fuel tank capacity	L	65
	Lubricating oil capacity	L	6.0 (Oil pan 5.8L+Oil filter 0.2L)
	Cooling water capacity	L	4.85 (Reserve tank included)
	Length	mm	1880
L	Width	mm	920
SET	Height	mm	1080
•)	Dry weight	kg	920
	Total weight	kg	1108

### DCW-1200ESW CC/CV

#### SPECIFICATION

	SPE	EC./N	IODEL		DCW-12000ESW					
	Frequency Hz				50					
	Ra	ted or	utput	kW		CC	C:17.1	/CV:16	6.4	
	Ra	ted cu	urrent	А			12	200		
۵ ۲	Ra	ted vo	oltage	V		CC	C:38.0	/CV:36	6.5	
<u>2</u> 2	C:-	مام	Current R	ange A			CC:60	~120	0	
	SIII	gle	Voltage R	ange V			CV:14	4 <b>~</b> 37		
22	Du	al	Current R	ange A			CC:30	~600		
ă	Du	ai	Voltage R	ange V			CV:14	4 <b>~</b> 37		
	Ra	ted S	peed	min-1	1500					
	Du	ty Cy	cle	%	60					
		Rate	d output	kVA	24					
		Rate	d voltage	V	200	300	400	450	560	600
Ĕ	se	Rate	ed current	А	43.3 39.4 22.8 21.7 20.9 19.7				19.7	
NG-	ha	Bated current     A       Rated current     A       No. of Phase     A       Power Facter     A		3-Phase 4wire						
42	ee F			0.8 (Lagging)						
AC POWEI OUTPUT	e Power Facter Excitation		B	rushle	ess typ	e (w	ith AVF	<b>२</b> )		
		No. of poles				2	2			
		Insu	lation				Cla	ss F		

	Maker/Model	KUBOTA V3800T
	Туре	Water-cooled diesel engine
	Number of cylinders	4
	Bore×Stroke mm	87.0X102.4
ENGINE	Total displacement L	2.434
Ð	Rated output kW/min <sup>-1</sup>	33.6/1500
Ē	Battery	120D26R
	Fuel	DIESEL FUEL ASTM NO.2 or eq.
	Fuel tank capacity	60
	Lubricating oil capacity	9.5 (Oil pan 5.8L+Oil filter 0.2L)
	Cooling water capacity L	8.85 (Reserve tank included)
	Length mm	1880
L	Width mm	920
SET	Height mm	1080
•	Dry weight kg	980
	Total weight kg	1185



ISO 9001 : 2015 ISO 14001 : 2015 Certified



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