

ENGINE DRIVEN WELDER TS 2X280 EVO MULTI4

The images are for reference



FEATURES

- D.C. Arc welding source multi-process
- Two independent welding output, each 250A
- Single output 500A
- Welding process:
 - Shielded Metal Arc welding SMAW (STICK)
 - Gas Tungsten Arc Welding GTAW (TIG contact start)
 - GMAW: wire welding (MIG)
 - FCAW: FLUX CORED
- Digital setting of welding parameters
- Stick easy start
- Arc force and multi-process parameters setting
- Digital Ammeter and Voltmeter: presetting of welding parameters
- A.C. generator, single-phase and three-phase also available while welding
- Engine digital control
- Bunded base
- Base with forklift pockets
- Canopy suitable for stacking up max 2 machines
- Single point lifting eye
- Large access for engine maintenance
- Meets EC directives for noise and safety

D.C. WELDING

CONSTANT CURRENT				
DUAL	CC (Stick-Tig)		CV (MIG-Flux cored)	
	Open circuit voltage	75V (80V peak)		Voltage regulation
Current range	20-250A continuous		Duty cycle	230A - 60% 200A - 100%
Duty cycle				
SINGLE	Open circuit voltage	75V (80V peak)		
	Current range	20-500A continuous	Voltage regulation	16-40V continuous
	Duty cycle	440A - 60% 400A - 100%	Duty cycle	440A - 60% 400A - 100%

ENGINE 3000 RPM

4 STROKE, DIRECT INJECTION	
Model	KUBOTA V1505
* Output net	24.5 kW (33 HP)
Cylinders / Displacement	4/ 1498 cm ³
Fuel consumption (welding 60%)	3.5 l/h
LUBRICATION SYSTEM	
Total oil system capacity	6 l
EXHAUST SYSTEM	
Maximum exhaust gas flow	/
Max. exhaust gas temp.	/
HEAT REJECTED AT FULL LOAD	
To exhaust system	/
Cooling system	Water
Total capacity / only engine	5.4 l / -

* Maximum output (not overloadable) according to ISO 3046-1

A.C. GENERATION 50Hz

ALTERNATOR ASYNCHRONOUS, THREE-PHASE, SELF-EXCITED, SELF-REGULATED, BRUSHLESS	
Three-phase power	12 kVA / 400 V / 17.3 A
Single-phase power	7 kVA / 230 V / 30.4 A
Single-phase power	5 kVA / 115 V / 43.5 A
Insulation class	H

GENERAL SPECIFICATIONS

Tank capacity	60 l
Start Battery	12V - 80Ah - CCA 670A
Running time (welding 60%)	15 h
IP protection degree	IP 23
Guaranteed acoustic power LwA (pressure LpA)	95 dB(A) (70 dB(A) @ 7 m)

SIMULTANEOUS OPERATION FACTORS

SIMULTANEOUS UTILISATION LIMITS						
WELDING CURRENT (CC) [A] SINGLE	0	100	150	200	250	≥300
AUXILIARY POWER 3-PHASE [Kw]	12	10	8	6	4	0

CONTROL PANEL - WEIGHT DIMENSIONS & ACCESSORIES

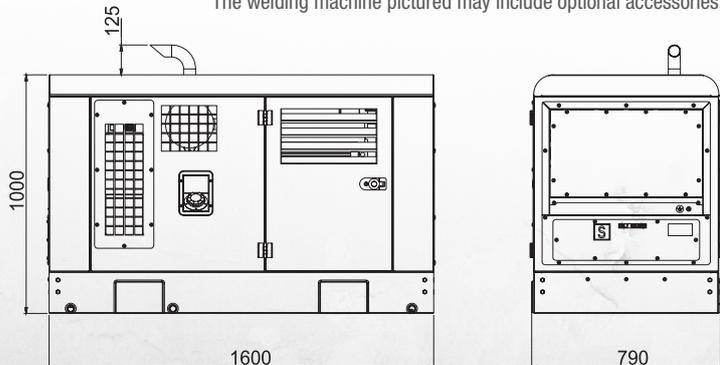
CONTROL PANEL

- Controller RGK420SA
- Emergency stop button
- Ground fault interruptor
- Output sockets CEE: 1x 400V 32A 3P+N+T CEE
1x230V 16A 2P+T CEE
1x115V 16A 2P+T CEE
- Siren
- Socket thermal switch
- Welding process switch
- Welding current /voltage regulator
- Welding process push button download & upload
- Welding digital Ammeter and Voltmeter
- Arc force and multi-process parameters setting
- SINGLE / DUAL Switch
- Remote control connector
- Wire-feeder Connector
- VRD

 DRY WEIGHT:
• 700 Kg

 DIMENSION PICTURE

The welding machine pictured may include optional accessories.



CONTROLLER CHARACTERISTICS	
Operating mode	• OFF - ON - REMOTO
Display	• Graphic back-light LCD display 52x35 mm
Buttons / controls	• Key 3 positions • START button • N° 2 buttons for controller programming
Generator Measures	• Voltage : L1-L2-L3-N • Current : I1 • Powers : kVA • Frequency
Engine Measures	• Engine temperature (optional) • Oil pressure (optional) • Fuel level • Rpm meter • Battery voltage • Maintenance • Hours meter
Protections Generator	• Short circuit • Over-Undervoltage • Over-Underfrequency • Phase sequence • Asymmetry • Overpowering
Engine Protections	• High engine temperature warning • Low oil pressure warning • Low fuel level warning • High / Under battery voltage • Battery charge alternator failure • Start failure • Stop failure • Emergency stop
Features 5 languages display: GB - I - F - E - D	• Remote Start and Stop • Pre-heating • Fully programmable from the panel, PC, WI-FI or NFC • Manual operation with remote start (REM) • IP 40 protection • Operation temperature: -30°C / +70°C
Communication	• Setup USB port • CAN BUS interface (J1939 only)

OPTIONS ON REQUEST

- Remote control: RC2
- Welding kit (mask, gloves, etc.)
- Earthing kit
- 4 wheel trolley
- Road trolley CTV4
- Wire feeder

VERSION ON REQUEST

- Spark arrestor

GENERAL INFORMATIONS

EC Directives and Standards Compliance
2006/42 / EC (Machinery Directive)
2014/35 / EU (Low Voltage Directive)
2014/30 / EU (EMC Directive)
2000/14 / EC (Directive Acoustic Emission for machines for use outdoors)
ISO 8528 (Reciprocating internal combustion engine driven alternating current generating sets)



ISO 9001:2008 - Cert. 0192

WARRANTY

All devices are covered by the manufacturer's warranty.

Specifications subject to change without notice. For further information please contact the sales department.

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