

# ENGINE DRIVEN WELDER TS 415 VS/EL-BC - VSX/EL-BC

- Arc welding source in D.C. welding
- Welds any type of electrode, including cellulosic
- Electronic regulation of welding current
- Special BC (Base Current) circuit for pipes descending welding
- Double welding range (20A-200A / 20A-400A)
- A.C. generator, single-phase and three-phase
- Aux power also available while welding
- Ground fault interrupter
- Engine Diesel VM MOTORI 1500 rpm
- Engine protection ES
- Silenced
- Site tow CTL22 (on request)
- Welding remote control (optional)
- Meets EC directives for noise and security



Standard equipment											
	Diesel engine	Air cooling	Electric starter	Battery 12V	Engine protection	Low press. shut down	High temp. engine shut down	Battery charge alarm	Low fuel indicator	Fuel level gauge	Hours-meter
Options on request											
	Asynchronous alternator	Welding current electr. regulation	Base current diode bridge	Socket 3~	Socket 1~	Output 48 V	Ground fault interrupter	Thermal shut off	Voltmeter	Ready for TC	Central lifting eye
Options on request	<ul style="list-style-type: none"> <li>● 400V Plugs</li> <li>● 230V Plugs</li> <li>● 110V Plugs</li> <li>● Tank locking cap</li> </ul>			<ul style="list-style-type: none"> <li>● Welding cables K400 (20+15m, 50mm<sup>2</sup>)</li> <li>● Remote control: TC2 (cable 20m) - TC2/50 (cable 50m)</li> <li>● Welding kit (mask, gloves, etc.)</li> <li>● Cyclone air pre-filter</li> </ul>			<ul style="list-style-type: none"> <li>● Earthing kit</li> <li>● Site tow CTL22</li> <li>● Road trolley CTV1</li> </ul>				
Version on request	<ul style="list-style-type: none"> <li>● Auxiliary output: 400Y - 230I - 48I : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x230V 16A 2P+T CEE</li> <li>● Auxiliary output: 400Y - 230I - 110I CTE : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x110V 32A 2P+T CEE - 1x110V 16A 2P+T CEE</li> </ul>										
Factory installation option	● Arc control kit					● Arc Gouging dedicated socket					

## Technical data

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<b>D.C. WELDING (Constant Current)</b>	
Current range, continuous	20A ÷ 400A
Service	400A 60% - 350A 100%
Duty cycle	70 V
<b>D.C. GENERATION - 50Hz</b>	
Three-phase asynchronous alternator, self-regulated, self-excited, brushless	
Three-phase generation	16 kVA / 400 V / 23.1 A
Single-phase generation	12 kVA / 230 V / 52.2 A
Single-phase generation	6 kVA / 110 V / 54.4 A
Single-phase generation	5 kVA / 48 V / 104 A
Insulation class	H
<b>ENGINE</b>	
Diesel, 4-stroke, aspirated, direct injection, air cooled	
Model	VM motori SUN 2105 E2
* Output	18.5 kW (25 HP)
Speed	1500 rpm
Displacement / Cylinders	1992 cm <sup>3</sup> / 2
Fuel consumption (welding 60%)	3.6 l/h
* Maximum output (not overloadable) according to ISO 3046-1	
<b>GENERAL SPECIFICATIONS</b>	
Tank capacity	60 l
Running time (welding 60%)	16.6 h
IP protection degree	IP 23
* Dimensions LxIhx (mm)	1720x980x1080
* Dry weight	820 kg
** Measured acoustic power LwA (pressure LpA)	--
** Guaranteed acoustic power LwA (pressure LpA)	--
*** Acoustic power LwA (pressure LpA)	98 dB(A)(73 dB(A) @ 7m)
* Dimensions and weight without trolley/trailer. ** Acoustic power according to European Directive 2000/14/EC. ***For fixed installation only.	