TECNA®

INDUSTRIAL RESISTANCE WELDING SYSTEMS

MASTER-SLAVE RESISTANCE WELDING INVERTER



Sensum by TECNA

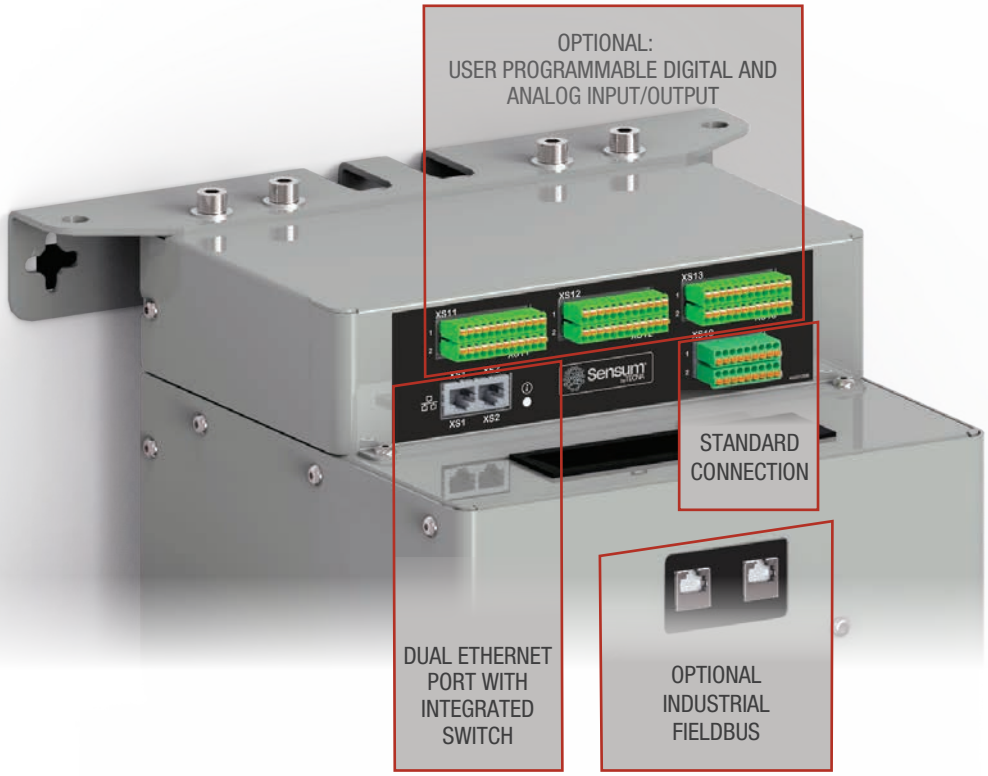
WEB USER INTERFACE

OUTPUT CURRENT FROM 3600A UP TO 5000A

OPTIONAL INDUSTRIAL FIELDBUS INTERFACES

Sensum® scales up to meet the power requirements of the process

1827W - 1828W



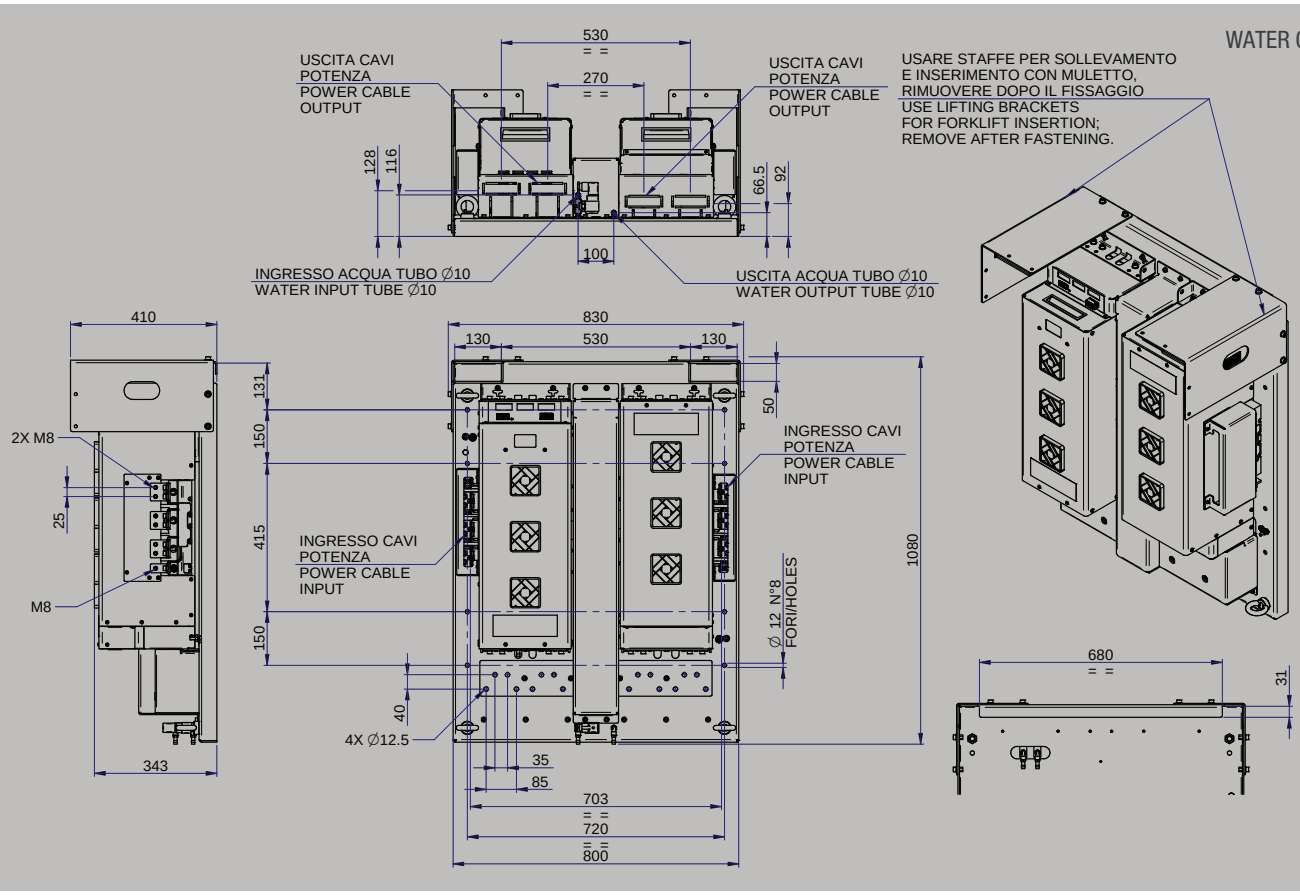
maximum output current

	1827W		1828W	
	WATER COOLING heavy duty			
TRANSFORMER	**2x240 kVA**	**2x315 kVA**	**2x240 kVA**	**2x315 kVA**
I_{max}	**150000 A**	**135000 A**	**150000 A**	**180000 A**

dimensions

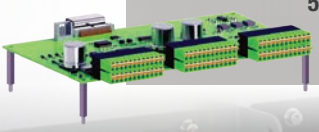
1827W - 1828W

WATER COOLING
SYSTEM



how to order

ITEM NUMBER: **18A01**, SYMBOL "**E**"
KIT EXPANSION BOARD
7 ANALOG **IN**
21 DIGITAL **IN**
5 SOLENOID VALVES **OUT**
8 DIGITAL **OUT**
3 ANALOG **OUT**



18	IS	C	E	FB	/VF

family code

inverter size
27 - 3600 A
28 - 5000 A

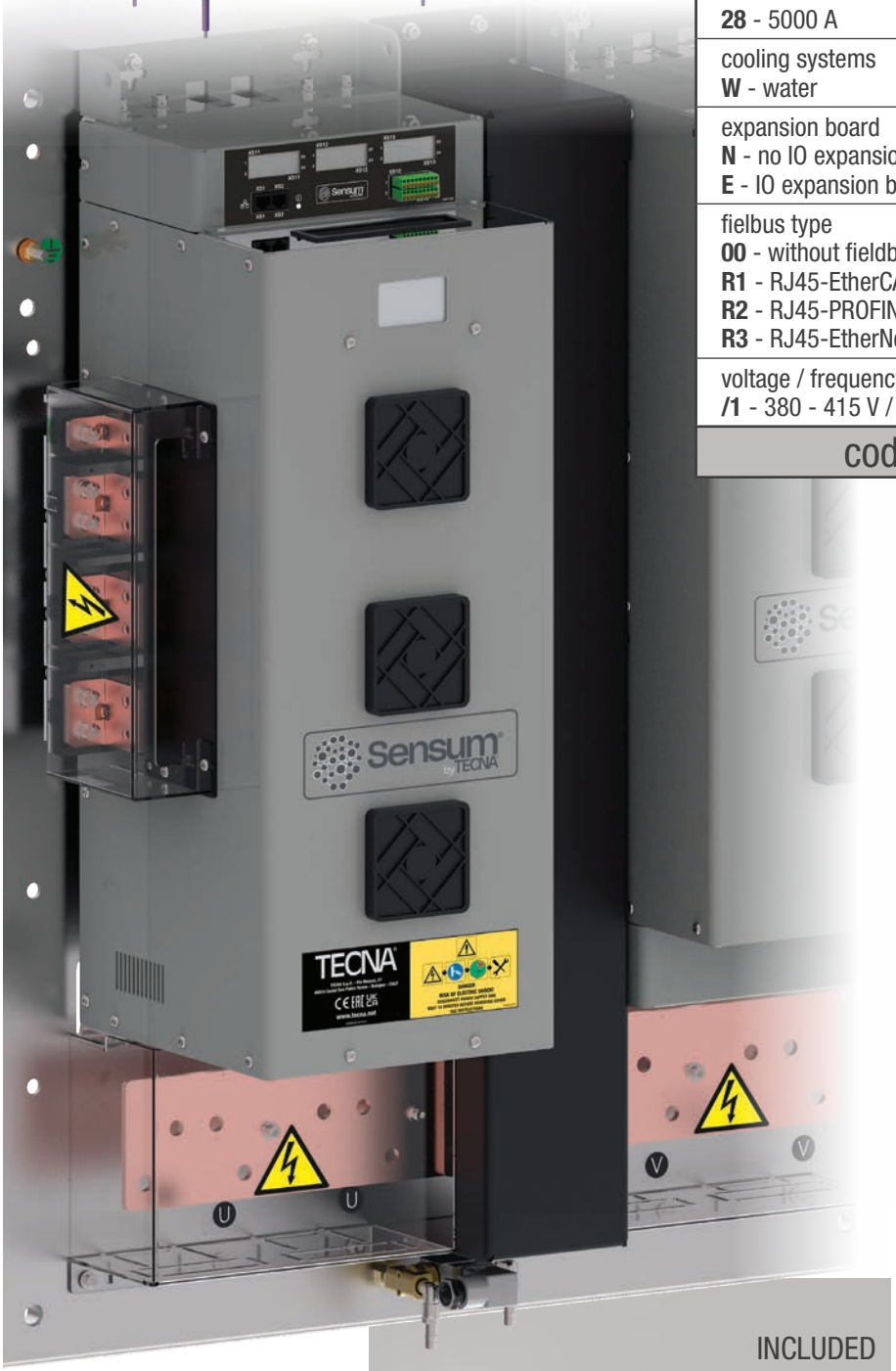
cooling systems
W - water

expansion board
N - no IO expansion board
E - IO expansion board

fielbus type
00 - without fieldbus
R1 - RJ45-EtherCAT
R2 - RJ45-PROFINET
R3 - RJ45-EtherNet/IP

voltage / frequency
/1 - 380 - 415 V / 50 - 60 Hz

code example: **1827WER2/1**





ITEM NUMBER: **18M08**,
SYMBOL "**R1**"
ELECTRONIC BOARD BUS **RJ45** FOR
INVERTER 3600 - 5000 A **ETHERCAT**



ITEM NUMBER: **18M10**,
SYMBOL "**R2**"
ELECTRONIC BOARD BUS **RJ45** FOR
INVERTER 3600 - 5000 A **PROFINET**



ITEM NUMBER: **18M12**,
SYMBOL "**R3**"
ELECTRONIC BOARD BUS **RJ45** FOR
INVERTER 3600 - 5000 A **ETHERNET/IP**

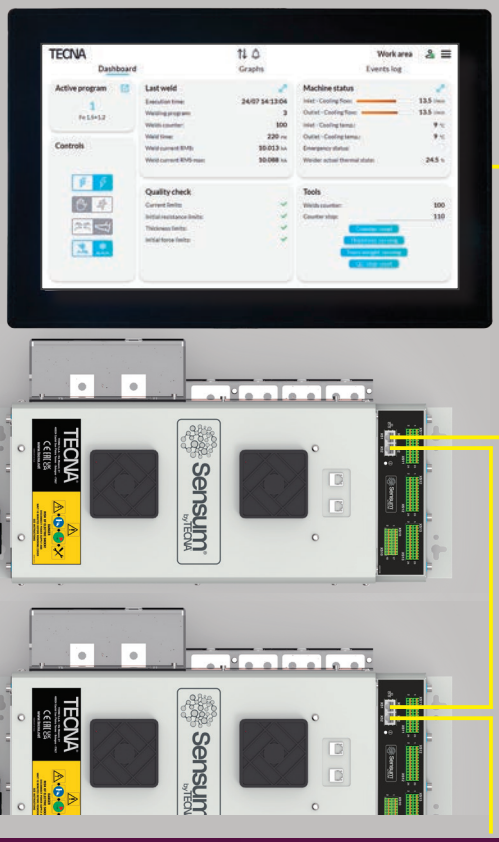
INCLUDED

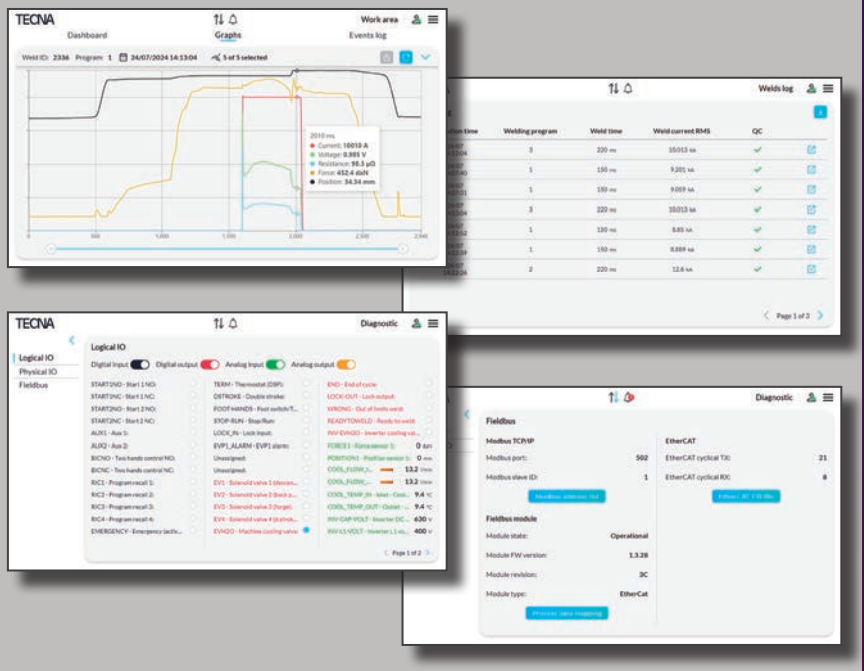


ITEM NUMBER: **18A02**
WATER VALVE KIT FOR
INVERTER SIZE L

Order the options separately or contact TECNA for special item numbers to be ordered

display for multiple controls





Built-in user interface based on web technologies.
Local and remote access by any web browser.
Easy integration in machine user interface.
Support for different users and roles.
Multilingual support.

accessories for welding control unit

45681	Current transducer - Ø 800 mm	**2040510018**	Position sensor 100 mm
2050010002	DIN RAIL Power Supply 24V cc, 5A	**2040510019**	Position sensor 200 mm
7730000005	Load cell 1500 daN		
7730000006	Load cell 8000 daN		

technical data

	1827W	1828W
MAINS SUPPLY	380 V - 415V THREE PHASE	
INPUT FREQUENCY	50 / 60 Hz	
WORKING FREQUENCY	1 kHz	
NOMINAL OUTPUT CURRENT	**3600 A**	**5000 A**
OUTPUT VOLTAGE	500 V	
COOLING TYPE	WATER	
LITERS/MINUTE	12	
WATER PRESSURE	4 bar max	
AMBIENT TEMPERATURE	5°C -40°C	
RELATIVE HUMIDITY	90% max	
DIMENSIONS	800x1100x410 (h) mm	
WEIGHT	160kg	

Sensum® by TECNA

... you got the feeling

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TECNA®
Resistance Welding Systems & Balancers

Via Meucci, 27
40024 - Castel S. Pietro Terme (BO)
Italy
Tel. +39 051 695 4411
Fax +39 051 695 4490
www.tecna.net
vendite@tecna.net
sales@tecna.net

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