



Certificate of Compliance

Certificate: 80107377

Master Contract: 203213

Project: 80107377

Date Issued: 2021-12-13

Issued To: Fronius International GmbH
Guenter Fronius Strasse 1
Wels-Thalheim, Upper Austria, 4600
Austria

Attention: Josef Feichtinger

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Sven Renke*
Sven Renke

PRODUCTS

CLASS - C561103 - WELDING MACHINES Welding Machines

CLASS - C561183 - WELDING MACHINES Certified to US Standards

Welding power source, mod. WIG02, inverter type, TIG, AC/DC,
3 phase, cord-and-plug connected, IP23 for use in environment with increased hazard of electric shock.
Models are supplied with ground cable, internal cooling fan, and an electro-valve for the control of the separate external Gas supply.

PART A:

PART A1:

Model "iWave 500i AC/DC (/MV/nc)" followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:



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Input: 575V, 30A(max.), 19A(eff.) / 460V, 35A(max.), 22A(eff.) / 230V, 70A (max), 44A(eff.); 3 phase, 50 or 60Hz
Output: 24.4V, 360Adc, 100% Duty Cycle; 27.2V, 430Adc, 60% Duty Cycle; 30.0V, 500Adc, 40% Duty Cycle
Max. OCV: 101Vpeak
IP-23

PART A2:

Model “iWave 400i AC/DC (/MV/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 26A(max.), 16A(eff.) / 460V, 28A(max.), 18A(eff.) / 230V, 55A (max), 35A(eff.); 3 phase, 50 or 60Hz
Output: 22.8V, 320Adc, 100% Duty Cycle; 24.4V, 360Adc, 60% Duty Cycle; 26.0V, 400Adc, 40% Duty Cycle
Max. OCV: 101Vpeak
IP-23

PART A3:

Model “iWave 300i AC/DC (/MV/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 15A(max.), 13A(eff.) / 460V, 17A(max.), 14A(eff.) / 230V, 33A (max), 27A(eff.); 3 phase, 50 or 60Hz
Output: 19.6V, 240Adc, 100% Duty Cycle; 20.4V, 260Adc, 60% Duty Cycle; 22.0V, 300Adc, 40% Duty Cycle
Max. OCV: 101Vpeak
IP-23

PART A4:

Model “iWave 500i AC/DC (/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 35A(max.), 22A(eff.) / 400V, 40A (max), 25A(eff.); 3 phase, 50 or 60Hz
Output: 24.4V, 360Adc, 100% Duty Cycle; 27.2V, 430Adc, 60% Duty Cycle; 30.0V, 500Adc, 40% Duty Cycle
Max. OCV: 96Vpeak
IP-23

PART A5:

Model “iWave 400i AC/DC (/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 28A(max.), 20A(eff.) / 400V, 31A (max), 23A(eff.); 3 phase, 50 or 60Hz
Output: 22.8V, 320Adc, 100% Duty Cycle; 24.4V, 360Adc, 60% Duty Cycle; 26.0V, 400Adc, 40% Duty Cycle
Max. OCV: 96Vpeak
IP-23

PART A6:

Model “iWave 300i AC/DC (/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 17A(max.), 14A(eff.) / 400V, 19A (max), 16A(eff.); 3 phase, 50 or 60Hz
Output: 19.6V, 240Adc, 100% Duty Cycle; 20.4V, 260Adc, 60% Duty Cycle; 22.0V, 300Adc, 40% Duty Cycle



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PART B:

PART B1:

Model “iWave 500i DC (/MV/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 28A(max.), 19A(eff.) / 460V, 30A(max.), 20A(eff.) / 230V, 62A (max), 39A(eff.); 3 phase, 50 or 60Hz

Output: 24.4V, 360Adc, 100% Duty Cycle; 27.2V, 430Adc, 60% Duty Cycle; 30.0V, 500Adc, 40% Duty Cycle

Max. OCV: 99Vpeak
IP-23

PART B2:

Model “iWave 400i DC (/MV/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 21A(max.), 16A(eff.) / 460V, 22A(max.), 17A(eff.) / 230V, 46A (max), 35A(eff.); 3 phase, 50 or 60Hz

Output: 22.8V, 320Adc, 100% Duty Cycle; 24.4V, 360Adc, 60% Duty Cycle; 26.0V, 400Adc, 40% Duty Cycle

Max. OCV: 99Vpeak
IP-23

PART B3:

Model “iWave 300i DC (/MV/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 15A(max.), 12A(eff.) / 460V, 15A(max.), 12A(eff.) / 230V, 31A (max), 23A(eff.); 3 phase, 50 or 60Hz

Output: 19.6V, 240Adc, 100% Duty Cycle; 20.4V, 260Adc, 60% Duty Cycle; 22.0V, 300Adc, 40% Duty Cycle

Max. OCV: 99Vpeak
IP-23

PART B4:

Model “iWave 500i DC (/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 30A(max.), 20A(eff.) / 400V, 35A (max), 22A(eff.); 3 phase, 50 or 60Hz

Output: 24.4V, 360Adc, 100% Duty Cycle; 27.2V, 430Adc, 60% Duty Cycle; 30.0V, 500Adc, 40% Duty Cycle

Max. OCV: 96Vpeak
IP-23

PART B5:

Model “iWave 400i DC (/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 22A(max.), 17A(eff.) / 400V, 25A (max), 19A(eff.); 3 phase, 50 or 60Hz



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Output: 22.8V, 320Adc, 100% Duty Cycle; 24.4V, 360Adc, 60% Duty Cycle; 26.0V, 400Adc, 40% Duty Cycle
Max. OCV: 96Vpeak
IP-23

PART B6:

Model “iWave 300i DC (/nc)” followed by suffixes, inverter type welding power sources, for TIG, MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 15A(max.), 12A(eff.) / 400V, 17A (max), 13A(eff.); 3 phase, 50 or 60Hz

Output: 19.6V, 240Adc, 100% Duty Cycle; 20.4V, 260Adc, 60% Duty Cycle; 22.0V, 300Adc, 40% Duty Cycle

Max. OCV: 96Vpeak

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APPLICABLE REQUIREMENTS

CSA C22.2 No. 60974-1:19

ANSI/NEMA/IEC 60974-1:2019



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear clearly on the unit in a permanent manner.

- Submitter's name and/or File number "203213" adjacent to the c CSA us monogram.
- Model designation.
- Complete electrical rating, including input volts, hertz, and amps; and output amps, volts, AC or DC, duty cycle in % and max. open circuit secondary voltage (U0)
- The power ON and OFF positions
- The date of manufacture or date-traceable serial number
- The output amp scale indicates the output amps available from the machine.
- The following warnings are included on the enclosure front or top

"WARNING":

- ARC WELDING CAN BE INJURIOUS TO OPERATOR AND PERSON IN THE WORK AREA.
- CONSULT INSTRUCTION MANUAL BEFORE OPERATING. FAILURE TO FOLLOW ALL THESE SAFETY INSTRUCTIONS CAN RESULT IN DEATH.
- IF CONNECTED TO A CIRCUIT PROTECTED BY FUSES, USE TIME DELAY FUSE MARKED "D".
- FUMES AND GASES CAN INJURE YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN. ELECTRIC SHOCK CAN KILL
- READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND YOUR EMPLOYER'S SAFETY PRACTICES
- KEEP YOUR HEAD OUT OF THE FUMES
- USE ENOUGH VENTILATION, EXHAUST AT THE ARC, OR BOTH, TO KEEP FUMES AND GASES FROM YOUR BREATHING ZONE AND THE GENERAL AREA
- WEAR CORRECT EYE, EAR AND BODY PROTECTION
- DO NOT TOUCH LIVE ELECTRICAL PARTS
- CONSULT INSTRUCTION MANUAL BEFORE OPERATING
- DO NOT REMOVE THIS MARKING

"AVERTISSEMENT" :

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- LA SOUDURE A L'ARC COMPORTE DES RISQUES DE BLESSURES POUR L'OPERATEUR OU LES PERSONNES DANS LA ZONE DE TRAVAIL
 - CONSULTER LA NOTICE TECHNIQUE AVANT UTILISATION.
 - SI CETTE MACHINE EST CONNECTEE A UN CIRCUIT PROTEGE PAR DES FUSIBLES, EMPLOYER DES FUSIBLES A ACTION DIFFEREE MARQUES D.

(h) An instruction manual is provided with each machine shipped that includes the safety measures that are included in clause 5.11(a) to (g).

(i) A diagram shall be included inside the enclosure that shows connections of the replacement cord, including ground.

Safety markings are provided in a location clearly visible to the operator. An instruction manual is provided with each machine shipped that includes the safe installation and usage of the equipment and includes the information in Standard CAN/CSA E60974-1 and references CSA Standards W117.2, ANSI Standard Z49.1 as applicable for each machine.

Notes:

Products certified under Class C561103 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

