



Certificate of Compliance

Certificate: 2629477

Master Contract: 154649

Project: 70077963

Date Issued: 2016-05-16

Issued to: ITW Welding Group
1635 W Spencer St
Appleton, Wisconsin 54912-1079
USA

Attention: Therese Christianson-Plato

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: Sam Zaffino
Sam Zaffino

PRODUCTS

Model: Syncrowave 210 Tig/Stick welding power source rated as follows:

Specifications:

DC Input Rated; 230Vac, 23.6A (0.35(*)), 60Hz, 5.56KVA (0.08(*)), 5.35KW (0.02(*)); Output 210 Amps at 18.4VDC @ 20% duty cycle, Max OCV 47, single phase.

DC Input Rated; 230Vac, 11.9A (0.35(*)), 60Hz, 2.72KVA (0.08(*)), 2.61KW (0.02(*)); Output 125 Amps at 15VDC @ 60% duty cycle, Max OCV 47, single phase.

DC Input Rated; 230Vac, 8.4A (0.35(*)), 60Hz, 1.96KVA (0.08(*)), 1.84KW (0.02(*)); Output 95 Amps at 13.8VDC @ 100% duty cycle, Max OCV 47, single phase.

AC Input Rated; 230Vac, 16.6A (0.35(*)), 60Hz, 3.84KVA (0.08(*)), 3.77KW (0.02(*)); Output 184 Amps at 17.4VDC @ 20% duty cycle, Max OCV 47, single phase.

AC Input Rated; 230Vac, 8.62A (0.35(*)), 60Hz, 1.99KVA (0.08(*)), 1.91KW (0.02(*)); Output 114 Amps at 14.6VDC @ 60% duty cycle, Max OCV 47, single phase.



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AC Input Rated; 230Vac, 6.6A (0.35(*)), 60Hz, 1.53KVA (0.08(*)), 1.44KW (0.02(*)); Output 90 Amps at 13.6VDC @ 100% duty cycle, Max OCV 47, single phase.

Stick Rated; 230Vac, 21.8A (0.35(*)), 60Hz, 5.12KVA (0.08(*)), 4.94KW (0.02(*)); Output 150 Amps at 26VDC @ 20% duty cycle, Max OCV 47, single phase.

Stick Rated; 230Vac, 11.9A (0.35(*)), 60Hz, 2.79KVA (0.08(*)), 2.68KW (0.02(*)); Output 90 Amps at 23.6VDC @ 60% duty cycle, Max OCV 47, single phase.

Stick Rated; 230Vac, 7.9A (0.35(*)), 60Hz, 1.84KVA (0.08(*)), 1.72KW (0.02(*)); Output 60 Amps at 22.4VDC @ 100% duty cycle, Max OCV 47, single phase.

DC Input Rated; 115Vac, 25.2A (0.58(*)), 60Hz, 3.04KVA (0.07(*)), 2.79KW (0.02(*)); Output 125 Amps at 15VDC @ 35% duty cycle, Max OCV 47, single phase.

DC Input Rated; 115Vac, 17.4A (0.58(*)), 60Hz, 2.05KVA (0.07(*)), 1.94KW (0.02(*)); Output 95 Amps at 13.8VDC @ 60% duty cycle, Max OCV 47, single phase.

DC Input Rated; 115Vac, 13.2A (0.58(*)), 60Hz, 1.54KVA (0.07(*)), 1.46KW (0.02(*)); Output 75 Amps at 13VDC @ 100% duty cycle, Max OCV 47, single phase.

AC Input Rated; 115Vac, 18.3A (0.58(*)), 60Hz, 2.11KVA (0.07(*)), 1.98KW (0.02(*)); Output 114 Amps at 14.6VDC @ 35% duty cycle, Max OCV 47, single phase.

AC Input Rated; 115Vac, 12.4A (0.58(*)), 60Hz, 1.43KVA (0.07(*)), 1.33KW (0.02(*)); Output 90 Amps at 13.6VDC @ 60% duty cycle, Max OCV 47, single phase.

AC Input Rated; 115Vac, 10.44A (0.58(*)), 60Hz, 1.20KVA (0.07(*)), 1.12KW (0.02(*)); Output 75 Amps at 13VDC @ 100% duty cycle, Max OCV 47, single phase.

Stick Rated; 115Vac, 25.9A (0.58(*)), 60Hz, 3.14KVA (0.07(*)), 2.87KW (0.02(*)); Output 90 Amps at 23.6VDC @ 35% duty cycle, Max OCV 47, single phase.

Stick Rated; 115Vac, 20.5A (0.58(*)), 60Hz, 2.47KVA (0.07(*)), 2.3KW (0.02(*)); Output 70 Amps at 22.8VDC @ 60% duty cycle, Max OCV 47, single phase.

Stick Rated; 115Vac, 15.6A (0.58(*)), 60Hz, 1.84KVA (0.07(*)), 1.74KW (0.02(*)); Output 55 Amps at 22.2VDC @ 100% duty cycle, Max OCV 47, single phase.
(*) while idling.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No.0-M91 - General Requirements-Canadian Electrical Code, Part II

CAN/CSA - E60974-1:11 - Arc Welding Equipment; Part 1: Welding Power Source.

ANSI/IEC 60974-1: March 2008 - Arc Welding Equipment; Part 1: Welding Power Source



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70077963	2016-05-16	Update to 2629477 to cover alt construction and miller numbers
2629477	2013-06-17	Original evaluation of model Syncrowave 210