



Certificate of Compliance

Certificate: 70114622

Master Contract: 154649

Project: 80086657

Date Issued: 2021-06-21

Issued To: ITW Welding Group
1635 W Spencer St
Appleton, Wisconsin, 54912
United States

Attention: Terry 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

CLASS - C561103 - WELDING MACHINES

CLASS - C561183 - WELDING MACHINES Certified to US Standards

Part A: Model Dynasty 400 and Dynasty 400 TIG Runner welding power sources rated as follows:

For 208V – 575V supply, single phase, Stick or TIG

AC/DC min 5A, max 400A OCV 75V

300A / 32V 20% duty cycle

250A / 30V 60% duty cycle

200A / 28V 100% duty cycle

For 208V – 575V supply, three phase, Stick or TIG

AC/DC min 5A, max 400A OCV 75V



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400A / 36V	20% duty cycle
300A / 32V	60% duty cycle
250A / 30V	100% duty cycle

Single phase input current at:

208V: 67 Amax	40 Aeff
230V: 60 Amax	36 Aeff
400V: 33 Amax	20 Aeff
460V: 28 Amax	17 Aeff
575V: 22 Amax	13 Aeff

Three phase input current at:

208V: 55 Amax	28 Aeff
230V: 49 Amax	25 Aeff
380V: 29 Amax	15 Aeff
400V: 28 Amax	14 Aeff
460V: 24 Amax	13 Aeff
575V: 19 Amax	10 Aeff

Note: The installation of welding power sources not supplied with a plug is subject to approval of the Local Inspection Authority.

PART B: Models MAXSTAR 400, MAXSTAR 400 TIG Runner welding power sources rated as follows:

For 208V – 575V supply, single phase, Stick or TIG

AC/DC min 5A, max 400A	OCV 75V
300A / 32V	20% duty cycle
250A / 30V	60% duty cycle
200A / 28V	100% duty cycle

For 208V – 575V supply, three phase, Stick or TIG

AC/DC min 5A, max 400A	OCV 75V
400A / 36V	20% duty cycle
300A / 32V	60% duty cycle
250A / 30V	100% duty cycle

Single phase input current at:

208V: 62 Amax	37 Aeff
230V: 55 Amax	33 Aeff
400V: 30 Amax	18 Aeff
460V: 26 Amax	18 Aeff
575V: 20 Amax	12 Aeff

Three phase input current at:

208V: 50 Amax	26 Aeff
230V: 45 Amax	23 Aeff
380V: 27 Amax	14 Aeff
400V: 25 Amax	13 Aeff



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460V: 22 Amax 12 Aeff
575V: 17 Amax 9 Aeff

Part C: Model Dynasty 800 and Dynasty 800 TIG Runner welding power sources rated as follows:

For 208V – 575V supply, single phase, TIG
AC/DC min 5A, max 800A OCV 75V
600A / 34V 20% duty cycle
500A / 30V 60% duty cycle
400A / 26V 100% duty cycle

For 208V – 575V supply, single phase, Stick
AC/DC min 5A, max 800A OCV 75V
500A / 40V 60% duty cycle
400A / 36V 100% duty cycle

For 208V – 575V supply, three phase, TIG
AC/DC min 5A, max 800A OCV 75V
800A / 34V 20% duty cycle
600A / 34V 60% duty cycle
500A / 30V 100% duty cycle

For 208V – 575V supply, three phase, Stick
AC/DC min 5A, max 750A OCV 75V
750A / 44V 20% duty cycle
600A / 44V 60% duty cycle
500A / 40V 100% duty cycle

Single phase input current at:
208V: 136 Amax 105 Aeff
230V: 122 Amax 94 Aeff
400V: 66 Amax 51 Aeff
460V: 57 Amax 44 Aeff
575V: 44 Amax 34 Aeff

Three phase input current at:
208V: 123 Amax 75 Aeff
230V: 111 Amax 66 Aeff
380V: 65 Amax 39 Aeff
400V: 62 Amax 37 Aeff
460V: 54 Amax 32 Aeff
575V: 43 Amax 26 Aeff

PART D: Models MAXSTAR 800, and MAXSTAR 800 TIG Runner welding power sources rated as follows:

For 208V – 575V supply, single phase, TIG



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DC min 5A, max 800A OCV 75V
600A / 34V 20% duty cycle
500A / 30V 60% duty cycle
400A / 26V 100% duty cycle

For 208V – 575V supply, single phase, Stick

DC min 5A, max 800A OCV 75V
500A / 40V 60% duty cycle
400A / 36V 100% duty cycle

For 208V – 575V supply, three phase, TIG

DC min 5A, max 800A OCV 75V
800A / 34V 20% duty cycle
600A / 34V 60% duty cycle
500A / 30V 100% duty cycle

For 208V – 575V supply, three phase, Stick

DC min 5A, max 750A OCV 75V
750A / 44V 20% duty cycle
600A / 44V 60% duty cycle
500A / 40V 100% duty cycle

Single phase input current at:

208V: 126 Amax 97 Aeff
230V: 112 Amax 87 Aeff
400V: 61 Amax 48 Aeff
460V: 53 Amax 41 Aeff
575V: 41 Amax 32 Aeff

Three phase input current at:

208V: 112 Amax 70 Aeff
230V: 102 Amax 62 Aeff
380V: 60 Amax 37 Aeff
400V: 57 Amax 35 Aeff
460V: 49 Amax 30 Aeff
575V: 39 Amax 24 Aeff

Part E: Model Syncrowave 400 and Syncrowave 400 TIG Runner welding power sources rated as follows:

For 208V/240V/480V supply, single or three phase, STICK

DC min 5A, max 300A	OCV 70V	
208V single phase	300A / 32V	20% duty cycle
	235A / 29.4V	60% duty cycle
	190A / 27.6V	100% duty cycle
208V three phase		



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240V & 480V single & three phase

300A / 32V	30% duty cycle
250A / 30V	60% duty cycle
200A / 28V	100% duty cycle

For 208V/240V/480V supply, single or three phase, TIG
AC/DC min 5A, max 400A OCV 70V
208V single phase

400A / 26V	20% duty cycle
280A / 21.2V	60% duty cycle
250A / 20V	100% duty cycle

208V three phase

240V & 480V single & three phase

400A / 26V	30% duty cycle
300A / 22V	60% duty cycle
250A / 20V	100% duty cycle

Single phase input current at:

208V:	78 Amax	36 Aeff
240V:	65 Amax	36 Aeff
480V:	31 Amax	17 Aeff

Three phase input current at:

208V:	41 Amax	22 Aeff
240V:	36 Amax	20 Aeff
480V:	17 Amax	10 Aeff

APPLICABLE REQUIREMENTS

CSA C22.2 No. 60974-1
ANSI/IEC 60974-1

- Arc Welding Equipment; Part 1: Welding Power Source.
- 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
80086657	2021-06-21	Update 70114622 to cover alt const.
80070244	2021-02-05	FIR follow-up, update to Report 70114622to address (FC# 257326) FIR dated December 15, 2020, alternate supplementary protector
80041106	2020-04-22	Update 70114622 to add similar model
000070179055	2018-04-02	Update to 70114622 to cover alt const
000070160395	2017-10-25	Alt const to 70114622
000070132908	2017-04-18	Original evaluation of models Dynasty/Maxstar 800 under the CPC program, update to 70114622
000070114622	2016-12-21	Evaluation of Model Max/Dyn 400 under the CPC program