



# Certificate of Compliance

**Certificate:** 70102269

**Master Contract:** 154649

**Project:** 80084748

**Date Issued:** 2021-06-03

**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 MAXSTAR 161 STH Stick and TIG welding power sources rated as follows:**

For 120V supply, single phase

TIG: DC min 5A, max 130A OCV 48V  
130A / 15.2V 30% duty cycle  
110A / 14.4V 60% duty cycle  
90A / 13.6V 100% duty cycle

STICK: DC min 20A, max 90A OCV 48V  
90A / 23.6V 30% duty cycle



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75A / 23V 60% duty cycle  
60A / 22.4V 100% duty cycle  
For 240V supply, single phase:  
TIG: DC min 5A, max 160A OCV 48V  
160A / 16.4V 20% duty cycle  
130A / 15.4V 60% duty cycle  
110A / 14.4V 100% duty cycle  
STICK: DC min 20A, max 160A OCV 48V  
160A / 26.4V 20% duty cycle  
130A / 25.2V 60% duty cycle  
110A / 24.4V 100% duty cycle  
Single phase input current at:  
120V: 23.2 Amax 14.7 Aeff  
240V: 22.6 Amax 14.3 Aeff

**PART B: Model: Maxstar 161 STL Stick and TIG welding power sources rated as follows:**

For 120V supply, single phase  
TIG: DC min 5A, max 130A OCV 48V  
130A / 15.2V 30% duty cycle  
110A / 14.4V 60% duty cycle  
90A / 13.6V 100% duty cycle  
  
STICK: DC min 20A, max 90A OCV 48V  
90A / 23.6V 30% duty cycle  
75A / 23V 60% duty cycle  
60A / 22.4V 100% duty cycle  
For 240V supply, single phase:  
TIG: DC min 5A, max 160A OCV 48V  
160A / 16.4V 20% duty cycle  
130A / 15.4V 60% duty cycle  
110A / 14.4V 100% duty cycle  
STICK: DC min 20A, max 160A OCV 48V  
160A / 26.4V 20% duty cycle  
130A / 25.2V 60% duty cycle  
110A / 24.4V 100% duty cycle  
Single phase input current at:  
120V: 23.2 Amax 14.7 Aeff  
240V: 22.6 Amax 14.3 Aeff

**PART C: Model: Maxstar 161 S Stick welding power sources rated as follows:**

For 120V supply, single phase



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STICK: DC min 20A, max 90A OCV 48V  
90A / 23.6V 30% duty cycle  
75A / 23V 60% duty cycle  
60A / 22.4V 100% duty cycle

For 240V supply, single phase:

STICK: DC min 20A, max 160A OCV 48V  
160A / 26.4V 20% duty cycle  
130A / 25.2V 60% duty cycle  
110A / 24.4V 100% duty cycle

Single phase input current at:

120V: 23.2 Amax 14.7 Aeff  
240V: 22.6 Amax 14.3 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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80084748	2021-06-03	Update 70102269 to cover alt const, also evaluate as per notice 10
80050005	2020-07-20	Update to 70102269 to cover alt const
000070135497	2017-05-08	Update to 70102269 to cover alternate construction
000070102269	2016-10-27	Evaluation of subject model under the CPC program