



# Certificate of Compliance

**Certificate:** 70202981

**Master Contract:** 154649

**Project:** 70202981

**Date Issued:** 2018-11-06

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

**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**

**Product Name: Part A: Model Dynasty 280, Dynasty 280 W/Insight Stick, TIG and MIG welding power sources rated as follows:**

For 208V – 575V supply, single or three phase

TIG: AC: min 2A, max 280A	DC: min 1A, max 280A	OCV 60V
280A / 21.2V	40% duty cycle	
250A / 20.0V	60% duty cycle	
200A / 18.0V	100% duty cycle	
STICK AC: min 5A, max 280A	DC: min 5A, max 280A	OCV 60V
208V-230V		
280A / 31.2V	15% duty cycle	
180A / 27.2V	60% duty cycle	
145A / 25.8V	100% duty cycle	
STICK AC: min 5A, max 280A	DC: min 5A, max 280A	OCV 60V
380V-575V		
280A / 31.2V	35% duty cycle	
250A / 30.0V	60% duty cycle	



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200A / 28.0V 100% duty cycle  
MIG: DC: min 15A, max 280A (208V-230V) OCV 60V  
280A / 28.0V 20% duty cycle  
200A / 24.0V 60% duty cycle  
160A / 22.0V 100% duty cycle  
MIG: DC: min 15A, max 280A (380V-575V) OCV 60V  
280A / 28.0V 35% duty cycle  
250A / 26.5V 60% duty cycle  
200A / 24.0V 100% duty cycle

Single phase input current(A) at:

208V: 59.0 I<sub>max</sub> 28.0 I<sub>eff</sub>  
220V: 56.0 I<sub>max</sub> 26.0 I<sub>eff</sub>  
230V: 53.0 I<sub>max</sub> 26.0 I<sub>eff</sub>  
380V: 32.0 I<sub>max</sub> 20.0 I<sub>eff</sub>  
400V: 30.0 I<sub>max</sub> 19.0 I<sub>eff</sub>  
460V: 25.0 I<sub>max</sub> 16.0 I<sub>eff</sub>  
575V: 20.0 I<sub>max</sub> 13.0 I<sub>eff</sub>

Three phase input current(A) at:

208V: 34.0 I<sub>max</sub> 18.0 I<sub>eff</sub>  
220V: 32.0 I<sub>max</sub> 17.0 I<sub>eff</sub>  
230V: 31.0 I<sub>max</sub> 16.0 I<sub>eff</sub>  
380V: 18.0 I<sub>max</sub> 12.0 I<sub>eff</sub>  
400V: 17.0 I<sub>max</sub> 11.0 I<sub>eff</sub>  
460V: 15.0 I<sub>max</sub> 9.0 I<sub>eff</sub>  
575V: 12.0 I<sub>max</sub> 8.0 I<sub>eff</sub>

**Product Name: Part B: Model Maxstar 280, Maxstar 280 DX Stick, TIG and MIG welding power sources**

For 208V – 575V supply, single or three phase

TIG: DC: min 1A, max 280A OCV 60V  
280A / 21.2V 40% duty cycle  
250A / 20.0V 60% duty cycle  
200A / 18.0V 100% duty cycle  
STICK DC: min 5A, max 280A OCV 60V  
208V-230V  
280A / 31.2V 15% duty cycle  
180A / 27.2V 60% duty cycle  
145A / 25.8V 100% duty cycle  
STICK DC: min 5A, max 280A OCV 60V  
380V-575V  
280A / 31.2V 35% duty cycle  
250A / 30.0V 60% duty cycle  
200A / 28.0V 100% duty cycle  
MIG: DC: min 15A, max 280A (208V-230V) OCV 60V



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280A / 28.0V	20% duty cycle	
200A / 24.0V	60% duty cycle	
160A / 22.0V	100% duty cycle	
MIG: DC: min 15A, max 280A (380V-575V)		OCV 60V
280A / 28.0V	35% duty cycle	
250A / 26.5V	60% duty cycle	
200A / 24.0V	100% duty cycle	

Single phase input current(A) at:

208V:	52.0 I <sub>max</sub>	24.0 I <sub>eff</sub>
220V:	49.0 I <sub>max</sub>	23.0 I <sub>eff</sub>
230V:	47.0 I <sub>max</sub>	23.0 I <sub>eff</sub>
380V:	28.0 I <sub>max</sub>	19.0 I <sub>eff</sub>
400V:	27.0 I <sub>max</sub>	18.0 I <sub>eff</sub>
460V:	23.0 I <sub>max</sub>	16.0 I <sub>eff</sub>
575V:	18.0 I <sub>max</sub>	12.0 I <sub>eff</sub>

Three phase input current(A) at:

208V:	31.0 I <sub>max</sub>	16.0 I <sub>eff</sub>
220V:	29.0 I <sub>max</sub>	15.0 I <sub>eff</sub>
230V:	28.0 I <sub>max</sub>	14.0 I <sub>eff</sub>
380V:	17.0 I <sub>max</sub>	11.0 I <sub>eff</sub>
400V:	16.0 I <sub>max</sub>	10.0 I <sub>eff</sub>
460V:	14.0 I <sub>max</sub>	9.0 I <sub>eff</sub>
575V:	11.0 I <sub>max</sub>	7.0 I <sub>eff</sub>

**APPLICABLE REQUIREMENTS**

CAN/CSA – E60974-1:12 - 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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70202981	2018-11-06	Evaluation of model Dynasty Maxstar 280 under the CPC program