



Certificate of Compliance

Certificate: 80018872

Master Contract: 154649

Project: 80066898

Date Issued: 2021-01-07

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 (s): Spectrum 375X-Treme and Airforce 27i Plasma Cutting Machine, Direct Current, Straight Polarity

Ratings:

Input: 120 VAC, 50/60Hz, single phase

Output: 15A DC / 86V DC, 100% Duty Cycle, Max OCV 400V DC

Input: 120 VAC, 50/60Hz, single phase

Output: 19A DC / 88V DC, 100% Duty Cycle, Max OCV 400V DC



Certificate: 80018872
Project: 80066898

Master Contract: 154649
Date Issued: 2021-01-07

Input: 120 VAC, 50/60Hz, single phase
Output: 24A DC / 90V DC, 60% Duty Cycle, Max OCV 400V DC

Input: 120 VAC, 50/60Hz, single phase
Output: 20A DC / 88V DC, 60% Duty Cycle, Max OCV 400V DC

Input: 120 VAC, 50/60Hz, single phase
Output: 27A DC / 92V DC, 35% Duty Cycle, Max OCV 400V DC

Input: 240 VAC, 50/60Hz, single phase
Output: 23A DC / 90V DC, 100% Duty Cycle, Max OCV 400V DC

Input: 240 VAC, 50/60Hz, single phase
Output: 27A DC / 92V DC, 60% Duty Cycle, Max OCV 400V DC

Input: 240 VAC, 50/60Hz, single phase
Output: 30A DC / 92V DC, 40% Duty Cycle, Max OCV 400V DC

Max Open Circuit Voltage: 400 Volts DC
To be used with torch Model: Thermacut XT30R

Input Current Specifications:

U_1 : 240 VAC, I_{1max} : 14.7 A, I_{ieff} : 10.5 A
 U_1 : 120 VAC, 20 A, I_{1max} : 26.1 A, I_{ieff} : 17.6 A
 U_1 : 120 VAC, 15A, I_{1max} : 18.3 A, I_{ieff} : 14.1 A

Part B Model(s): Spectrum 625X-Treme and Airforce 40i Plasma Cutting Machine, Direct Current, Straight Polarity

Ratings:

Input: 120 VAC, 50/60Hz, single phase
Output: 15A DC / 86V DC, 100% Duty Cycle, Max OCV 400V DC

Input: 120 VAC, 50/60Hz, single phase
Output: 20A DC / 88V DC, 100% Duty Cycle, Max OCV 400V DC

Input: 120 VAC, 50/60Hz, single phase
Output: 24A DC / 91V DC, 60% Duty Cycle, Max OCV 400V DC

Input: 120 VAC, 50/60Hz, single phase
Output: 20A DC / 88V DC, 60% Duty Cycle, Max OCV 400V DC



Certificate: 80018872
Project: 80066898

Master Contract: 154649
Date Issued: 2021-01-07

Input: 120 VAC, 50/60Hz, single phase
Output: 27A DC / 91V DC, 35% Duty Cycle, Max OCV 400V DC

Input: 240 VAC, 50/60Hz, single phase
Output: 33A DC / 140V DC, 100% Duty Cycle, Max OCV 400V DC

Input: 240 VAC, 50/60Hz, single phase
Output: 40A DC / 140V DC, 60% Duty Cycle, Max OCV 400V DC

Max Open Circuit Voltage: 400 Volts DC
To be used with Torch Model: Thermancut XT40R

Input Current Specifications:

U₁: 240 VAC, I_{1max}: 27.6 A, I_{1eff}: 22.5 A

U₁: 120 VAC, 20 A, I_{1max}: 25 A, I_{1eff}: 17.7 A

U₁: 120 VAC, 15A, I_{1max}: 17.7 A, I_{1eff}: 13.7 A

APPLICABLE REQUIREMENTS

CSA C22.2 No. 60974-1:19
ANSI/IEC 60974-1: 2019

- Arc Welding Equipment; Part 1: Welding Power Source.
- Arc Welding Equipment; Part 1: Welding Power Source



Supplement to Certificate of Compliance

Certificate: 80018872

Master Contract: 154649

*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
80066898	2021-01-07	Update 80018872 to cover alternate construction
80018872	2019-10-17	Evaluate models Spectrum 375, 625X under the CPC program