



Certificate of Compliance

Certificate: 1726647 **Master Contract:** 154351
Project: 80233550 **Date Issued:** 2025-01-24
Issued to: **Hypertherm, Incorporated**
21 Great Hollow Rd
Hanover, New Hampshire 03755
United States
Attention: Patrick Salas

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: *Dimcho Genov*
Dimcho Genov

PRODUCTS

Class 5611 03 WELDING MACHINES - Welding Machines
Class 5611 83 WELDING MACHINES - Certified to US Standards

PART A: Plasma Arc Cutter Power Sources: Mechanized, hard-wired

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HPR130 or HPR130XD [078177, 078538, 078546]	200/208	50/60	62/58	3
HPR130 or HPR130XD [078539, 078547]	220	50/60	57	3
HPR130 or HPR130XD [078179, 078540, 078548]	240	60	52	3
HPR130 or HPR130XD [078182, 078543, 078551]	440	50/60	28	3
HPR130 or HPR130XD [078181, 078544, 078552]	480	60	26	3
HPR400 or HPR400XD [078523, 078570, 078578, 078594, 078586]	200/208	50/60	262/252	3



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HPR400 or HPR400XD [078524, 078571, 078579, 078595, 078587]	220	50/60	238	3
HPR400 or HPR400XD [078525, 078572, 078580, 078596, 078588]	240	60	219	3
HPR400 or HPR400XD [078528, 078575, 078583, 078599, 078591]	440	50	120	3
HPR400 or HPR400XD [078529, 078576, 078584, 078600, 078592]	480	60	110	3

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HPR130 or HPR130XD [078183, 078545, 078553]	600	60	21	3

Rated output 130Adc, 150Vdc, 100 percent duty cycle, max OCV 311V dc, at 40°C maximum ambient.

The suffix XD describes application of firmware for improved cutting performance that does not impact compliance with the CSA standards described in the applicable requirements shown in this report.

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HPR400 or HPR400XD [078530, 078577, 078585, 078601, 078593]	600	60	88	3

Rated output 400Adc, 200Vdc, 100 percent duty cycle, max OCV 360Vdc, at 40°C maximum ambient

The suffix XD describes application of firmware for improved cutting performance that does not impact compliance with the CSA standards described in the applicable requirements shown in this report.

HyPerformance HPR800XD system configuration consists of two model HPR400XD plasma cutting systems designated as primary and secondary. The input & output ratings of each HPR400XD remains unchanged. The HPR800XD software will utilize the primary HPR400XD up to 400 Amps to the ignition console and torch first and then the secondary HPR400XD provides up to 400 Amps more to the ignition console and torch for a total system configuration output of 800 Amps maximum.

Accessories for use with HPR400XD unless otherwise described:

- Ignition Console [078172, 078536].
- Manual Gas Console [078170] or Manual Gas Console II [078532].
- Auto Gas Console – Selection Console [078184] or Auto Gas Console II [078533] and Metering Console [078185] or Metering Console II [078535].
- Off-valve assembly [129816].
- Torch [228354, 220706]
- Torch [420729] – used on all HPRXD models with consumables up to 260A, 100% duty cycle.
- Torch coolant [028872] – all models are liquid cooled with Hypertherm Torch Coolant
- Rotational Sleeve [220864] – used as an optional accessory with torch.



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- Gas Console [078201].
- Cooling System [078531]
- Chiller Interface [078537]
- External interconnecting cable assemblies [123979, 123980, 123981]

PART B: Plasma Arc Cutter Power Sources: Mechanized, hard-wired

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HPR260 or HPR260XD [078187]	200	50/60	149	3
HPR260 or HPR260XD [078554, 078562]	200/208	50/60	149/144	3
HPR260 or HPR260XD [078202, 078555, 078563]	220	50/60	136	3
HPR260 or HPR260XD [078188, 078556, 078564]	240	60	124	3
HPR260 or HPR260XD [078189, 078559, 078567]	440	50/60	68	3
HPR260 or HPR260XD [078190, 078560, 078568]	480	60	62	3
XPR300 [078620]	200	50-60	218	3
XPR300 [078621]	208	60	209	3
XPR300 [078622]	220	50-60	198	3
XPR300 [078623]	240	60	181	3
XPR300 [078627]	440	50-60	99	3
XPR300 [078628]	480	60	91	3

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HPR260 or HPR260XD [078191, 078561, 078569]	600	60	50	3

Rated output 260Adc, 175Vdc, 100 percent duty cycle, max OCV 311V dc, at 40°C maximum ambient.

The suffix XD describes application of firmware for improved cutting performance that does not impact compliance with the CSA standards described in the applicable requirements shown in this report.

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
XPR300 [078629]	600	60	73	3

Rated output 300Adc, 222Vdc, 100 percent duty cycle, max OCV 360Vdc, at 40°C maximum ambient

For use with the following accessories:

- OptiMix Ignition/Gas Console [078633] or VWI Ignition/Gas Console [078632] or Core Ignition/Gas Console [078631].
- Torch Connect Console [078618]



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- Torch [420221]
- Torch coolant [028872, 028873] – all models are liquid cooled with Hypertherm Torch Coolant
- Corrosion Inhibitor [128020]
- External interconnecting cable assemblies
- Torch Receptacle [420220]
- Torch Mounting Sleeve [420500, 420501, 420502]
- Robotic Bevel Leads [428825, 428826, 428827, 428828, 428829, 428830, 428831, 428832, 428833, 428834, 428835, 428836]
- Rotational Sleeve [420788, 420789, 420900]
- Short Torch with Lead [420750, 420809, 420810, 420811, 420812, 420814]

Note: Different part number represents different length

PART C: Plasma Arc Cutter Power Sources: Mechanized, hard-wired

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HSD130 [078194, 078515]	200/208	50/60	62/60	3
HSD130 [078204, 078516]	220	50/60	56	3
HSD130 [078195, 078517]	240	60	52	3
HSD130 [078198, 078520]	440	50	28	3
HSD130 [078199, 078521]	480	60	26	3
XPR170 [078640]	200	50-60	117	3
XPR170 [078641]	208	60	112	3
XPR170 [078642]	220	50-60	106	3
XPR170 [078643]	240	60	97	3
XPR170 [078647]	440	50-60	53	3
XPR170 [078648]	480	60	49	3

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
HSD130 [078200, 078522]	600	60	21	3

Rated output 130Adc, 150Vdc, 100 percent duty cycle, max OCV 311V dc, at 40°C maximum ambient

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
XPR170 [078649]	600	60	39	3

Rated output 170Adc, 210Vdc, 100 percent duty cycle, max OCV 360Vdc, at 40°C maximum ambient



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For use with the following accessories:

- OptiMix Ignition/Gas Console [078633] or VWI Ignition/Gas Console [078632] or Core Ignition/Gas Console [078631].
- Torch Connect Console [078618]
- Torch [420221]
- Torch coolant [028872, 028873] – all models are liquid cooled with Hypertherm Torch Coolant
- Corrosion Inhibitor [128020]
- External interconnecting cable assemblies
- Torch Receptacle [420220]
- Torch Mounting Sleeve [420500, 420501, 420502]
- Robotic Bevel Leads [428825, 428826, 428827, 428828, 428829, 428830, 428831, 428832, 428833, 428834, 428835, 428836]
- Rotational Sleeve [420788, 420789, 420900]
- Short Torch with Lead [420750, 420809, 420810, 420811, 420812, 420814]

Note: Different part number represents different length

PART D: Plasma Arc Cutter Power Sources: Mechanized, hard-wired

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
XPR460 [078650]	200	50-60	267	3
XPR460 [078651]	208	60	256	3
XPR460 [078652]	220	50-60	242	3
XPR460 [078653]	240	60	222	3
XPR460 [078657]	440	60	121	3
XPR460 [078656]	480	60	111	3

Model(s)	Input Voltage (VAC)	Frequency (Hz)	Input Current (A)	Phase
XPR460 [078659]	600	60	89	3

Rated output 460Adc, 222Vdc, 100 percent duty cycle, max OCV 360Vdc, at 40°C maximum ambient

For use with the following accessories:

- OptiMix Ignition/Gas Console [078633] or VWI Ignition/Gas Console [078632] or Core Ignition/Gas Console [078631] or CorePlus Ignition/Gas Console [078662].
- Torch Connect Console [078618]
- Torch [420221]
- Torch coolant [028872, 028873] – all models are liquid cooled with Hypertherm Torch Coolant
- Corrosion Inhibitor [128020]
- External interconnecting cable assemblies



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- Torch Receptacle [420220]
 - Torch Mounting Sleeve [420500, 420501, 420502]
 - Robotic Bevel Leads [428825, 428826, 428827, 428828, 428829, 428830, 428831, 428832, 428833, 428834, 428835, 428836]
 - Standard Torch Leads [428383, 428384, 428385, 428386, 428824, 428387]
 - Rotational Sleeve [420788, 420789, 420900]
 - XPR Cooler [078660]

Note: Different part number represents different length

HPR130/130XD, HPR260/260XD, and HSD130 Plasma Arc Cutter Power Sources are not in production and were removed from this CSA report, the following accessories are in production to support field repairs.

- Ignition Console [078172, 078536]
- Manual Gas Console [078170] or Manual Gas Console II [078532]
- Auto Gas Console – Selection Console [078184] or Auto Gas Console II [078533] and Metering Console [078185] or Metering Console II [078535]
- Off-valve assembly [129816]
- Torch [128818, 228633, 228634, 220706] – used on HPR130, HPR130XD and HPR260, HPR260XD
- Torch [420214] and Junction Box [078619] – used on HPRXD
- Torch [228144] – used on HSD130
- Torch [420729] – used on all HPRXD models with consumables up to 260A, 100% duty cycle
- Torch coolant [028872] – all models are liquid cooled with Hypertherm Torch Coolant
- Rotational Sleeve [220864] – used as an optional accessory with torch
- Gas Console [078201]

APPLICABLE REQUIREMENTS

CSA C22.2 NO. 60974-1:19 - Arc welding equipment - Part 1: Welding power sources

ANSI/NEMA/IEC 60974-1-2019 - Arc welding equipment — Part 1: Welding power sources



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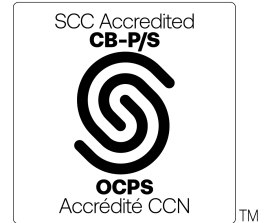
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Notes:

Products certified under Class(es) C561103, C561183 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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
80233550	2025-01-24	Update report 1726647 to cover the addition of a new model XPR cooler, testing of XPR torches and gas consoles for 460A current, alternate construction of chopper board and revision of fuses; under the CPC program
80203615	2024-06-20	Update report 1726647 to cover the addition of a new model XPR460 and remove obsolete models; under the CPC program
80167868	2023-05-24	Update report 1726647 to cover the addition CorePlus Ignition/Gas Console; under the CPC program Assumptions Completion date assumes that all required test reports and product construction description has been provided by Hypertherm
80149802	2022-12-22	Update report 1726647 to cover the addition of alternate components ; under the CPC program
80122031	2022-04-18	Plug and plug upgrade torch Head/cartridge for existing HPR XD systems
80080808	2021-05-06	Update 1726647 to cover alt const and update standard editions
80056164	2020-09-29	Update to 1726647 to cover alt components
80034191	2020-03-04	Update to 1726647 to cover alternate construction
70212911	2019-02-12	Update to 1726647 to cover alt const
70183388	2018-05-08	Update to 1726647 to add similar model under CPC program
70164538	2017-12-11	Update to 1726647 to cover alt const



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70102894	2016-10-17	Update to 1726647 to cover addition of similar model XPR300
70065040	2016-02-23	Update to report 1726647 to cover alternate construction
70052258	2015-11-04	Update to 1726647 to cover alt const and report add component info
70015838	2014-11-24	Update to cover addition of similar model
2727896	2014-05-23	Update to cover alternate construction
2629478	2013-05-30	Update to report 1726647 to cover alternate construction and report clarification
2526572	2012-05-16	Update report to add alternate contactor and torch conductor length description.
2418204	2011-05-17	Adding alternate manufacturers and part numbers for existing certified models and components.
2277207	2010-03-02	Addition of XD suffix, HPR800 system and alternate components to report
2100777	2008-11-05	Update to report 1726647 to add Model HPR400 plasma cutting system and new accessories. Also covers addition of alternate suppliers and part designations. Equipment Class 5611-03, CSA Std.60974-1; Class 5611-83, UL 60974-1.
1843485	2007-03-07	Addition of Plasma cutter power source, HSD130 and addition of alternate suppliers and part designations
1726647	2005-10-31	Original certification