

Induction Heating Equipment

Automation and Process Control

Induction heating technologies are frequently used as part of the field joint coating process to raise the temperature of the pipeline surface for coating application. As part of its commitment to advanced process technologies and high-quality field joint coating solutions, Canusa-CPS maintains a comprehensive fleet of specialized induction heating generators and coils in strategic locations in the Americas, Europe, Middle East and Far East, to service both short and long term project rental needs.

Factory Grade™ Automation

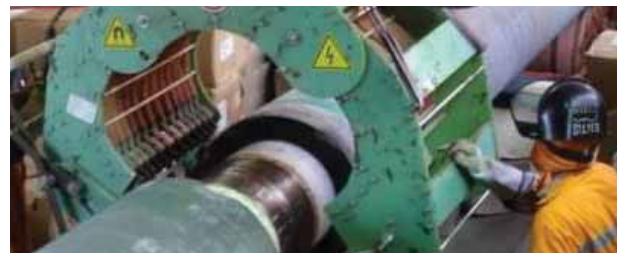
- Induction heating equipment is a key element of Canusa-CPS's strategy to deliver Factory Grade™ coating solutions to the onshore and offshore pipeline construction markets. Portable, diesel-powered generators and clamp-style coils are field-friendly versions of their factory counterparts and provide fast, efficient and uniform heating to the field joint coating area in a fully repeatable process from one joint to the next.

Process Control

- The heating process can be precisely controlled by varying the output power of the generator, heating time and clamp coil design to produce a uniform, repeatable heating profile across the surface of the field joint.

High Productivity

- Effective deployment of induction heating equipment can result in higher coating productivity due to quicker heating cycles and consistent performance, joint to joint.



Applications



Oil & Gas



Onshore Pipelines



Offshore, Reel, J & S Lay



High Temperature



Factory Grade



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Generator Specifications

| Property | Units | IHG 120 | IHG 350 |
|-------------------------|--------|--------------------------------------|-----------------------|
| Output Power (Maximum) | kW | 120 | 350 |
| Operating Temperature | °C | -15 to +45 (-40 on request) | |
| Engine Type | - | Deutz / Iveco / Cummins | |
| Cooling System | - | Air / Water | Water |
| Speed Control | - | ECU Electronic | |
| Dimensions (L x W x H) | mm | 2,400 x 1,100 x 1,800 | 2,500 x 1,450 x 2,700 |
| Dry Weight | kg | 1700 | 3800 |
| Max Inclination | ° | 35 | 22 |
| Noise Level | dB (A) | 72 | 72 |
| Fuel Tank Capacity | L | 200 | 500 |
| Rated Voltage (Maximum) | V | 165 (Single Ø) | 490 (Single Ø) |
| Rated Current (Maximum) | A | 725 | 725 |
| Frequency | Hz | 400-440 | 510-570 |
| IP Protection Rating | - | IP22 | |
| Cable Set | - | Standard Length = 10 m | |
| Remote Control | - | Wired Remote, Standard Length = 15 m | |

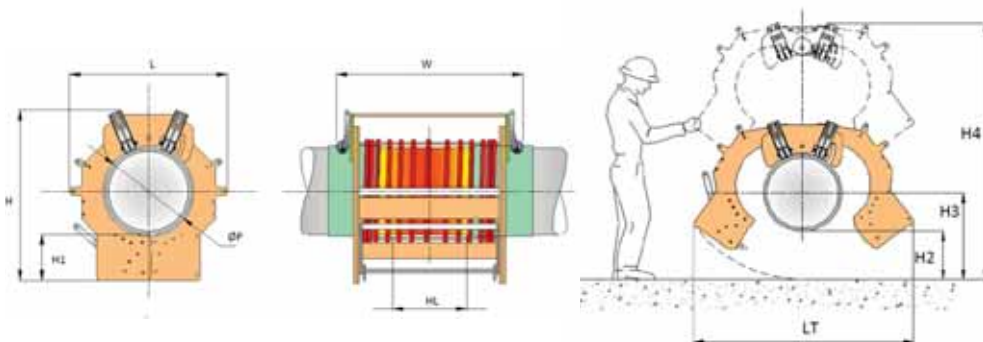
Typical generator specifications shown.



Coil Specifications

| Ø Pipe | | Ø Coil | L | LT | W | HL | H | H3 |
|--------|-------|--------|-------|-------|-----|-----|-------|-------|
| Inches | mm | | | | | | | |
| 4 | 115 | 139 | 870 | 1,110 | 860 | 450 | 745 | 570 |
| 8 | 230 | 244 | 870 | 1,220 | 860 | 450 | 850 | 622 |
| 12 | 315 | 349 | 870 | 1,340 | 860 | 450 | 954 | 674 |
| 16 | 400 | 431 | 900 | 1,430 | 860 | 450 | 1,037 | 716 |
| 20 | 500 | 533 | 1,002 | 1,535 | 860 | 450 | 1,138 | 767 |
| 24 | 610 | 635 | 1,104 | 1,650 | 860 | 450 | 1,240 | 817 |
| 30 | 760 | 787 | 1,256 | 1,976 | 860 | 450 | 1,393 | 894 |
| 36 | 915 | 939 | 1,409 | 2,142 | 860 | 450 | 1,545 | 970 |
| 42 | 1,060 | 1,092 | 1,561 | 2,308 | 860 | 450 | 1,697 | 1,046 |
| 48 | 1,220 | 1,244 | 1,714 | 2,675 | 860 | 450 | 1,850 | 1,122 |
| 56 | 1,420 | 1,447 | 1,917 | 2,910 | 860 | 450 | 2,053 | 1,224 |

Typical coil sizes shown. Actual dimensions may vary.
Other coil diameters and heating widths available.



Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications at info@canusacps.com.

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Quality Management
system registered to
ISO 9001

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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