

HYBRID

Heated Towel Ladders

avenir®



HYBRID 42 x 105

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Important Information

The dimensions stated in this brochure are approximations only. Dimensions and designs are subject to change without prior notice. Visit www.avenir.com.au/hybrid for the latest information.

Introducing HYBRID, the next generation in Heated Towel Ladders

› FOLIOTEC PRECISION

Exclusive to Avenir, Foliotec* is an innovative new manufacturing technique set to revolutionise the heated towel ladder industry. The unique process incorporates sheets of pre-polished stainless steel, laser cut and folded into perfectly symmetrical vertical and horizontal flat rails.

The result is a contemporary, energy efficient design that provides an elegant solution to the many shortfalls of traditional heated towel ladders - placing HYBRID firmly at the forefront of style and innovation.





Crafted from pre-polished stainless steel, the HYBRID presents a flawless mirror finish.

› ADVANCED DESIGN

A leading approach to design and technology ensures that HYBRID Heated Towel Ladders are far superior in both form and function. The innovative flat rail system allows for optimal heating of the entire surface area, resulting in a distinctive design defined by its unique style and unrivalled performance.

› SUPERIOR MATERIALS

The careful crafting of pre-polished sheets of Grade 304 No. 8 Stainless Steel creates an exquisite mirror finish with an exemplary resistance to corrosion.

In order to preserve its immaculate mirror polish, each ladder arrives covered in a protective plastic film, ensuring that the HYBRID Heated Towel Ladder is always the perfect finish to any bathroom.

Up to 25% more energy efficient, this is innovation that preserves our planet as well.

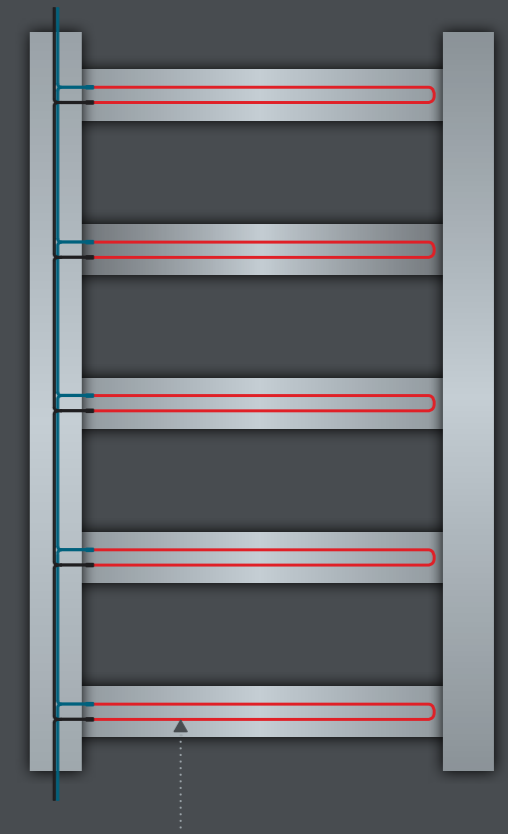
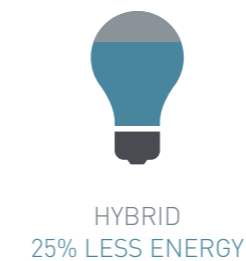
› ENERGY EFFICIENCY

Unlike standard dry-heated ladders which function with only one element, the HYBRID uses an individual element for each rail. Therefore, should one element fail, the others will continue to function optimally, and only the faulty element will require replacement.

Due to these individual elements, the HYBRID only heats the horizontal rails and uses up to 25% less energy.

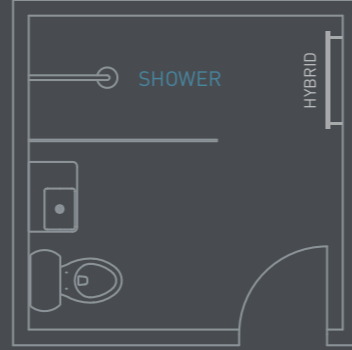
› LESS ENVIRONMENTAL IMPACT

The HYBRID is made from Stainless Steel 304, using minimal chrome plating, which is known for its negative effect on the environment.



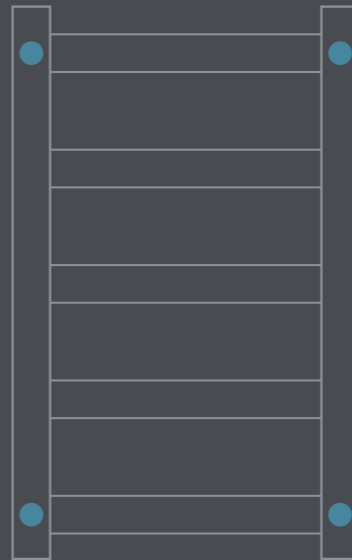
Replaceable Heating Elements

The HYBRID uses individual heating elements, which saves energy by not heating the vertical rails.



Installation Flexibility

The HYBRID can be installed safely in bathroom zones 1, 2 & 3



Convenient Wiring

The concealed wiring connection is available through any of the four wall-fixing points

Powered by a low 12 Volt supply, the HYBRID is a safe enhancement to any bathroom.

> LOW VOLTAGE ELEMENTS

The low 12 Volt supply ensures safety and flexibility for installation of the HYBRID throughout the bathroom.*

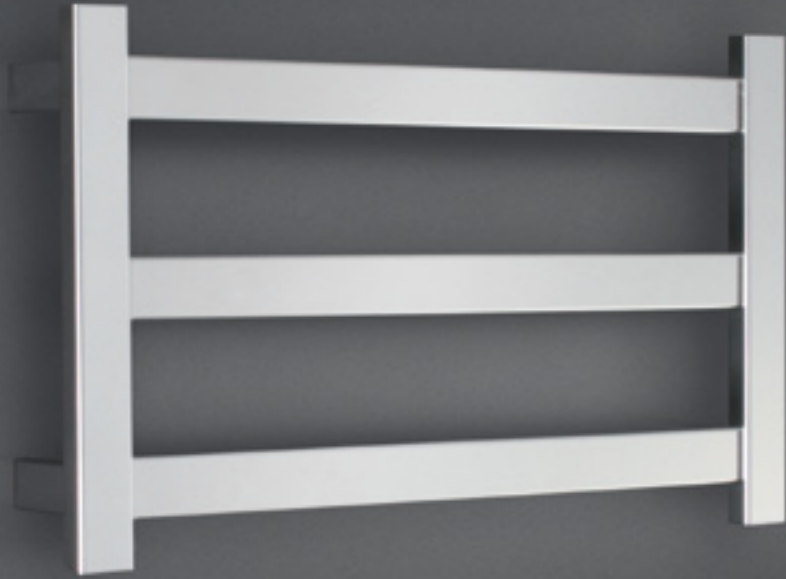
> INSTALLATION FLEXIBILITY

- > Wiring connection to any corner
- > No in-wall kit required
- > Connection made inside the rail

A flexible wiring system allows for any of the HYBRID's four corners to be used as a connection, while also discretely concealing wiring within the ladder itself. As a result, there is no additional fixing kit required, and unlike liquid-filled ladders, the symmetry of the design is not compromised in any way.

* The HYBRID can be installed in zones 1, 2 & 3, as per the Australian Standards testing.





Wattage

- HYH-42x45 = 28 Watts
- HYH-42x60 = 38 Watts
- HYH-42x75 = 48 Watts
- HYH-42x90 = 58 Watts
- HYH-42x105 = 68 Watts

Voltage

Ultra Safe 12V Power Supply

Material

Stainless Steel 304

Finish

Mirror Polished (#8)

IP Rating

IPX5

Standards

AS/NZS 60335.2.43

Electrical Connection

Concealed Wiring

Heating Method

Dry Internal Heating Element

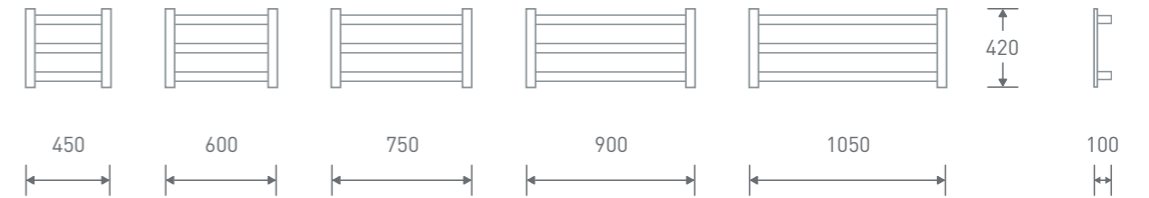
Heating Time

5 to 10 minutes

Non-Heated versions available

› **MODEL**
HYBRID 420

› **WIDTHS**



› **DEPTH**

› **VARIATIONS**

Heated Version:	Non-Heated Version:	Size (height x width):	No. of Rails:
HYH-42x45	HYN-42x45	420 x 450 mm	3
HYH-42x60	HYN-42x60	420 x 600 mm	3
HYH-42x75	HYN-42x75	420 x 750 mm	3
HYH-42x90	HYN-42x90	420 x 900 mm	3
HYH-42x105	HYN-42x105	420 x 1050 mm	3

› **NOTE**

For prolonged element life and energy conservation, Heated Towel Ladders should be connected to a timer (not included), set to 25% usage or less.

Visit www.avenir.com.au/hybrid for detailed dimensions and to download the latest installation instructions.



Wattage

- HYH-72x45 = 46 Watts
- HYH-72x60 = 63 Watts
- HYH-72x75 = 80 Watts
- HYH-72x90 = 97 Watts
- HYH-72x105 = 113 Watts

Voltage

Ultra Safe 12V Power Supply

Material

Stainless Steel 304

Finish

Mirror Polished (#8)

IP Rating

IPX5

Standards

AS/NZS 60335.2.43

Electrical Connection

Concealed Wiring

Heating Method

Dry Internal Heating Element

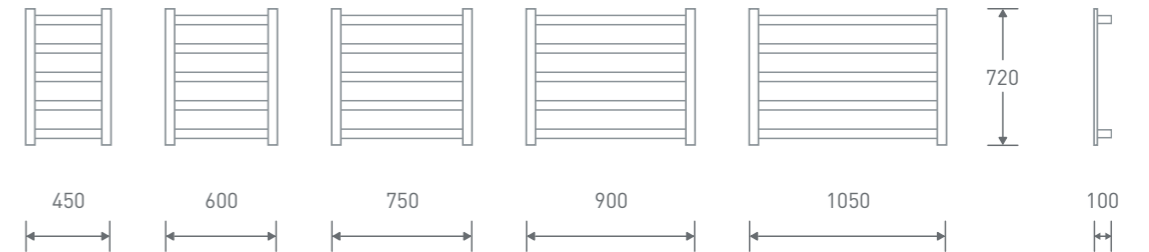
Heating Time

5 to 10 minutes

Non-Heated versions available

› **MODEL**
HYBRID 720

› **WIDTHS**



› **DEPTH**

› **VARIATIONS**

Heated Version:	Non-Heated Version:	Size (height x width):	No. of Rails:
HYH-72x45	HYN-72x45	720 x 450 mm	5
HYH-72x60	HYN-72x60	720 x 600 mm	5
HYH-72x75	HYN-72x75	720 x 750 mm	5
HYH-72x90	HYN-72x90	720 x 900 mm	5
HYH-72x105	HYN-72x105	720 x 1050 mm	5

› **NOTE**

For prolonged element life and energy conservation, Heated Towel Ladders should be connected to a timer (not included), set to 25% usage or less.

Visit www.avenir.com.au/hybrid for detailed dimensions and to download the latest installation instructions.



Wattage

- HYH-102x45 = 64 Watts
- HYH-102x60 = 88 Watts
- HYH-102x75 = 111 Watts
- HYH-102x90 = 135 Watts
- HYH-102x105 = 158 Watts

Voltage

Ultra Safe 12V Power Supply

Material

Stainless Steel 304

Finish

Mirror Polished (#8)

IP Rating

IPX5

Standards

AS/NZS 60335.2.43

Electrical Connection

Concealed Wiring

Heating Method

Dry Internal Heating Element

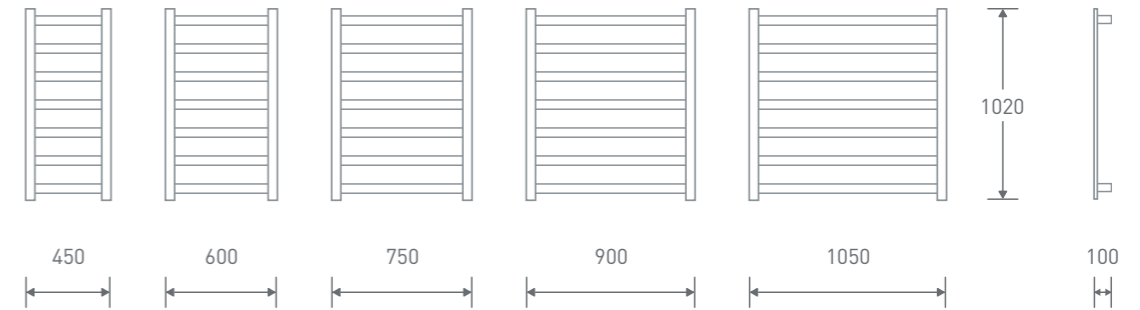
Heating Time

5 to 10 minutes

Non-Heated versions available

› **MODEL**
HYBRID 1020

› **WIDTHS**



› **DEPTH**

› **VARIATIONS**

Heated Version:	Non-Heated Version:	Size (height x width):	No. of Rails:
HYH-102x45	HYN-102x45	1020 x 450 mm	7
HYH-102x60	HYN-102x60	1020 x 600 mm	7
HYH-102x75	HYN-102x75	1020 x 750 mm	7
HYH-102x90	HYN-102x90	1020 x 900 mm	7
HYH-102x105	HYN-102x105	1020 x 1050 mm	7

› **NOTE**

For prolonged element life and energy conservation, Heated Towel Ladders should be connected to a timer (not included), set to 25% usage or less.

Visit www.avenir.com.au/hybrid for detailed dimensions and to download the latest installation instructions.



Wattage

- HYH-132x45 = 83 Watts
- HYH-132x60 = 113 Watts
- HYH-132x75 = 143 Watts
- HYH-132x90 = 174 Watts
- HYH-132x105 = 203 Watts

Voltage

Ultra Safe 12V Power Supply

Material

Stainless Steel 304

Finish

Mirror Polished (#8)

IP Rating

IPX5

Standards

AS/NZS 60335.2.43

Electrical Connection

Concealed Wiring

Heating Method

Dry Internal Heating Element

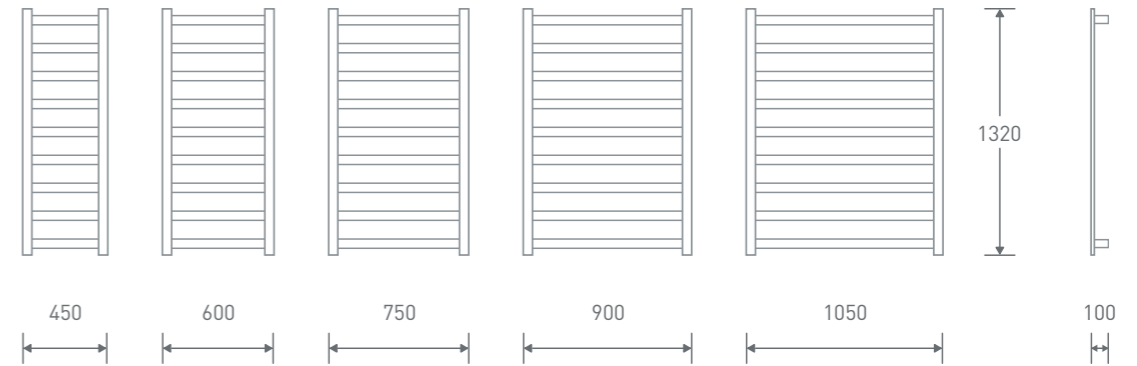
Heating Time

5 to 10 minutes

Non-Heated versions available

› **MODEL**
HYBRID 1320

› **WIDTHS**



› **DEPTH**

› **VARIATIONS**

Heated Version:	Non-Heated Version:	Size (height x width):	No. of Rails:
HYH-132x45	HYN-132x45	1320 x 450 mm	9
HYH-132x60	HYN-132x60	1320 x 600 mm	9
HYH-132x75	HYN-132x75	1320 x 750 mm	9
HYH-132x90	HYN-132x90	1320 x 900 mm	9
HYH-132x105	HYN-132x105	1320 x 1050 mm	9

› **NOTE**

For prolonged element life and energy conservation, Heated Towel Ladders should be connected to a timer (not included), set to 25% usage or less.

Visit www.avenir.com.au/hybrid for detailed dimensions and to download the latest installation instructions.

Installation

› PRE INSTALLATION REQUIREMENTS

Provision must be made for a serviceable location of the supplied safety-isolating transformer, preferably within two meters of the heated towel ladder. Wiring (2-cores) must be provided from the safety-isolating transformer to the installation location of the heated towel ladder.

This wiring should be concealed inside the wall and should protrude through a hole in the wall surface (minimum 150 mm in length) at the position of any one of the four mounting legs of the heated towel ladders' intended location.

Note: Please select the appropriate wire size for the installation: For heated towel ladders less than 120W, use 1 mm lighting grade wire. For heated towel ladders greater than 120W, use 2.5 mm wire. Stranded wire is preferable to solid core wire.

The heated towel ladder mounting legs covers an area of 20 x 40 mm. It is therefore essential that the hole in the wall surface where the wire protrudes is no more than 12 mm in diameter to ensure that the mounting leg covers the hole completely.

Provision should be made for a timer to control the mains supply to the safety-isolating transformer. If no timer is used (not recommended) then an isolating switch must be installed by your electrician.

› WALL MOUNTING

Avenir HYBRID Towel Ladders are designed to suit stud walls with tiles or masonry walls. Non-masonry walls with no tiles will require a timber substrate directly behind each point where the ladder is fixed to the wall. Read the installation instructions for more information.

› INSTALLATION INSTRUCTIONS

All Avenir HYBRID products are sold with easy-to-follow installation instructions. Please make sure your electrician reads these carefully before installing your heated towel ladder. Avenir recommends that a licensed electrician be consulted before installing your HYBRID product.

For your convenience, all installation instructions are available on the website: www.avenir.com.au/hybrid

Comparison Chart

	LIQUID FILLED	DRY ELEMENT	HYBRID
Only Horizontal Rails Heated			•
Individual Heating Elements			•
Replaceable Heating Elements	•		•
In-Ladder Wiring Connection	Additional Mounting Leg	In-Wall Installation	In-Ladder Installation
No In-Wall Fixing Kit Required	•		•
Wiring Connectivity To Any Corner			•
No Left/Right Specification Required	•		•
Protective Plastic Wrapping			•
Perfect Mirror Finish			•
12 Volt - Installation in Zones 1, 2 & 3			•

Avenir Quality Product Guarantee

7 YEAR NON-COMMERCIAL WARRANTY

This warranty covers faults in the construction, material and assembly of products within 7 years from the date of purchase. Products found to be defective in construction, material or assembly, will be repaired or exchanged with an equivalent product free of charge. Heated towel ladder elements carry a 3 year warranty (1 year on-site).

For more information, view the full Warranty Agreement online at: www.avenir.com.au/hybrid/warranty

ONE YEAR COMMERCIAL WARRANTY

Commercial use refers to all use other than normal domestic residential purposes. This includes use in non-business environments, such as public buildings, schools and sports centres, as well as in establishments that contain private bathrooms with a high frequency of use by many individuals, namely hotels, motels, retirement villages and hospitals.

The Avenir Accessories Collection

ARTIZEN



TAGO



BAGNO



BIZU



BLOQUE



PLUS



MINUS



UNIVERSAL



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