

**COMPLETELY
RENEWED!**



DELTA-DISCOVERY AIR HEAT PUMP HOUSING

AVAILABLE WITH
REVOLUTIONARY WINDSHIELD

INNOVATIVE
PARTNER

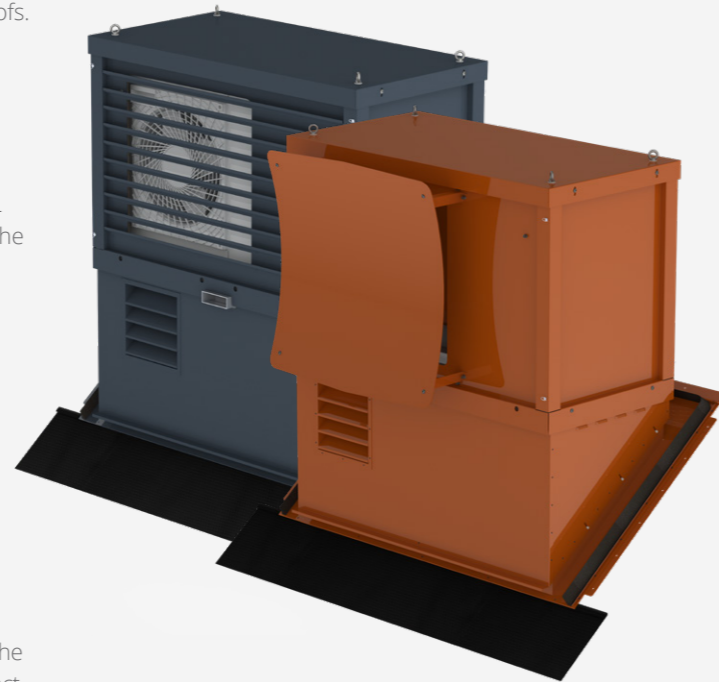


Burgerhout®

a brand of M&G Group

INTRODUCTION

Discover the updated Delta-Discovery Air heat pump housing: the perfect solution for installing heat pumps on pitched roofs. The updated Delta-Discovery Air heat pump housing is the second generation of a successful product line developed around customer feedback and years of experience. The aesthetically pleasing Delta-Discovery Air has a high build quality and is suitable for both monoblock and split unit systems. In addition, the housing is now available in any RAL colour, allowing it to be optimally matched to the colour of the roof and fit perfectly into its environment.

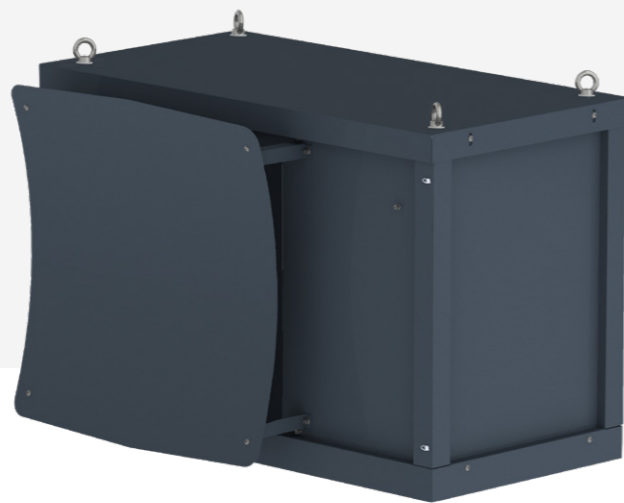


CUSTOM MADE

The Delta-Discovery Air housing is custom made to accommodate the heat pump and its compact location on the roof. As large as needed and as small as possible for a perfect solution on pitched roofs.

ELIMINATION OF DIRECTIONAL WIND

One of the biggest innovations of the Delta-Discovery Air is the optional WindShield, an aerodynamic curved panel mounted on the outside of the housing. The patented WindShield eliminates adverse effects from wind on the performance of the heat pump. In other words; the WindShield keeps the heat pump out of the wind. In addition, the Delta Discovery Air is now also suitable for sustainable heat pumps with propane, which are growing in popularity.



ACCESSIBLE FROM THE INSIDE FOR INSPECTION AND MAINTENANCE

After placing the heat pump housing on a steep roof, it can be easily accessed from inside the house through the inspection hatch. The annual inspection and minor repairs can so easily be performed from inside the house. A major advantage of the indoor inspection hatch is that the installer no longer has to access the roof, thus reducing servicing and maintenance costs for the consumer. A new option is an opening rear panel for even better access to the heat pump for inspection and maintenance, this gives the service technician more freedom of movement.

Other innovations are the options to provide the Delta-Discovery Air with heat recovery duct connection and/or sewer venting connection, if desired.



DELTA-DISCOVERY AIR ROOF FLASHING WITH LEADAX

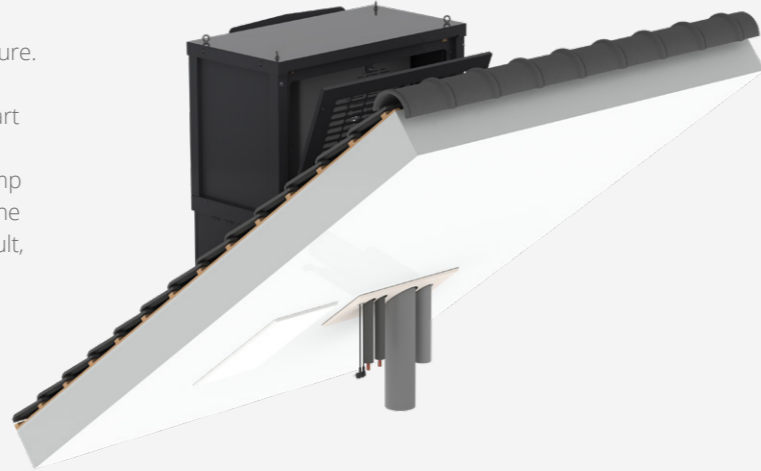
During the development of the Delta-Discovery Air, extra attention was given to sustainability and recyclability. The roof flashing features Leadax, the world's first lead substitute with the same characteristics as traditional lead. Leadax has no harmful effects on health and the environment, while maintaining quality and flexibility.



EVEN MORE BENEFITS

RETENTION OF THE HOME'S INSULATION VALUE AND PREFAB MODULAR CONSTRUCTION

The heat pump housing is installed completely outside the home's insulation shell, so this solution does not come at the expense of living space in the house and requires limited connections. The housing is of modular design, this means that the roof flashing and the connection box can be delivered directly to the contractor for integration into the roof structure. The top box can be delivered to the installer or prefab department of the technical wholesaler. There, the outer part of the monoblock or split unit can be built into the top box. The whole unit (the top box including the installed heat pump unit) can then be mounted directly on the building site on the already installed roof flashing and connection box. As a result, only one crane movement is required per house!



OPTIMAL CONFIGURATION

To optimize the configuration of the Delta-Discovery Air the following parts are available:

- WindShield: This eliminates the negative effects of wind on the heat pumps' performance.
- Hinged rear panel for improved ease of maintenance.
- Integrated connection for sewer vent and heat recovery duct.

UNIQUE SOLUTION FROM INSTALLER TO END CLIENT

The Delta-Discovery Air heat pump housing has been developed in collaboration with installers, construction firms, heat pump manufacturers and end clients (such as housing associations). This approach resulted in the incorporation of all market requirements into the development process. The result is an efficient housing with a clean design that offers optimal comfort to the end customer, maximum protection of the heat pump and easy access for the installer.



THE DELTA-DISCOVERY AIR BENEFITS FOR THE INSTALLER AT A GLANCE

- Designed and field-tested for optimal heat pump efficiency and minimal nuisance from vibrations and noise.
- Also suitable for Propane (R290) heat pumps
- With integrated lifting eyes for easy installation
- Custom solutions depending on specification and roof pitch (20° to 60°)
- Equipped with Leadax, a durable and environmentally friendly lead substitute
- Minimal interruption of the insulation layer thanks to the complete installation on the roof
- Inspection possibility from inside the house: the housing is always accessible
- Excellent for renovation and new construction
- Quick installation thanks to its modular design and prefab preparation

CUSTOM ADVICE FOR THE IDEAL CONFIGURATION

Are you looking for custom advice on the Delta-Discovery Air heat pump housing for your project, or do you want to know more about the possibilities for a specific application? Burgerhout's experts are ready to advise you!

For telephone assistance, contact our Sales Support Department at +31 592 34 30 43 or send an e-mail to salesupport@burgerhout.nl

CONSUMER BENEFITS OF THE DELTA-DISCOVERY AIR

- Optimal heat pump COP due to the function of the Windshield and the prevention of recirculation
- Maintaining insulation value of building shell/roof
- Lower maintenance costs thanks to good accessibility
- No loss of living space in the house
- Noise reducing by positioning on the roof
- Sustainable and aesthetically pleasing solution.



PRODUCT ASSORTMENT

The Delta-Discovery Air heat pump configuration is custom-made, based on the heat pump and the project's needs and requirements. This makes each solution unique.

DELTA-DISCOVERY AIR CONSTRUCTION OVERVIEW

The composition of a complete Delta-Discovery Air solution consists of basic components, accessories and options.



BASIC COMPONENTS

DELTA-DISCOVERY AIR TOP BOX WITH INSPECTION HATCH

The Delta-Discovery Air Top box is custom-made, depending on the heat pump used, and is supplied with an inspection hatch. Depending on the requirements, equipped with:

- WindShield
- Hinged rear panel

The heat pump housing is suitable for heat pumps with a maximum size of: D470 x W1200 x H1150 mm.

Varieties

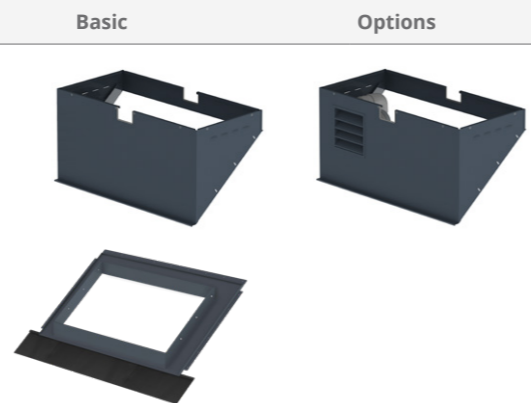


CONNECTION BOX WITH ROOF FLASHING

The Delta-Discovery Air connection box is custom made, based on the specified roof pitch (between 20° and 60°) and is supplied including a matching roof flashing. The connection box can be equipped with the following options:

- Integrated connection for heat recovery duct (EPS ø160)*
- Integrated connection for sewer venting (PP ø110)*

*When using a heat pump with propane (R290), a Heat Recovery Drain and sewer venting connection in the connection box is not allowed.

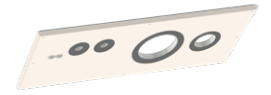


ACCESSORIES

AIRTIGHT ROOF PLATE

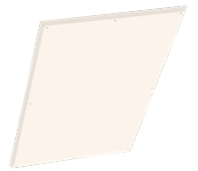
The Delta-Discovery Air Airtight roof plate is available for roof angles between 20° and 60°. The airtight roof coupling piece is custom made depending on the desired configuration:

- Desired roof angle
- Monoblock or split unit
- Connection for Heat Recovery
- Connection for sewer venting



AIRTIGHT ROOF INSPECTION HATCH

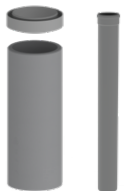
The Delta-Discovery Air airtight roof inspection hatch is available for a roof angle from 20° to 60°.



EXTENSION SET

For connection to heat recovery duct or sewer ventilation, the following extension sets are available:

- Extension set heat recovery connection (EPS ø160), length 1m
- Extension set sewer venting connection (PP ø110), length 1m



As an **innovative partner**, Burgerhout has been working for more than 150 years on, among other things, optimizing the indoor climate of homes. Safe, innovative solutions for flue gas discharge, air supply, air distribution, heat pumps and solutions for aeration, cable entry and water drainage for flat roofs.

Innovative partner in flue venting & ventilation solutions

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