

Specification

Brochure

Fully Integrated
Renewable Heating
Solutions



www.unitherm.ie


unitherm
HEATING SYSTEMS

Complete Heating Solution Specified & Supplied By Unitherm

We are moving into a new world of how we heat our homes.

A revolution is happening that is using different heat sources to those that burn fossil fuels.

Air source heat pumps are an energy efficient and carbon reducing technology that perfectly meets this change. This is why heat pumps are at the core of what Unitherm do and this is why Unitherm will play a leading role in the move to low carbon heating solutions in our homes.

With unrivaled experience and expertise, Unitherm delivers tailored, engineered solutions to meet customer and project requirements. We offer a complete low-carbon heating solution—from designing, sizing, supply, commissioning, and sign-off to hands-on training at our state-of-the-art Training Centre, ensuring installers gain confidence and competence in air-to-water heat pumps. Our fully indemnified design service includes heat loss calculations, product placement, and pipe runs. Plus, with a warehouse full of stock, we provide next-day delivery to keep your projects moving.

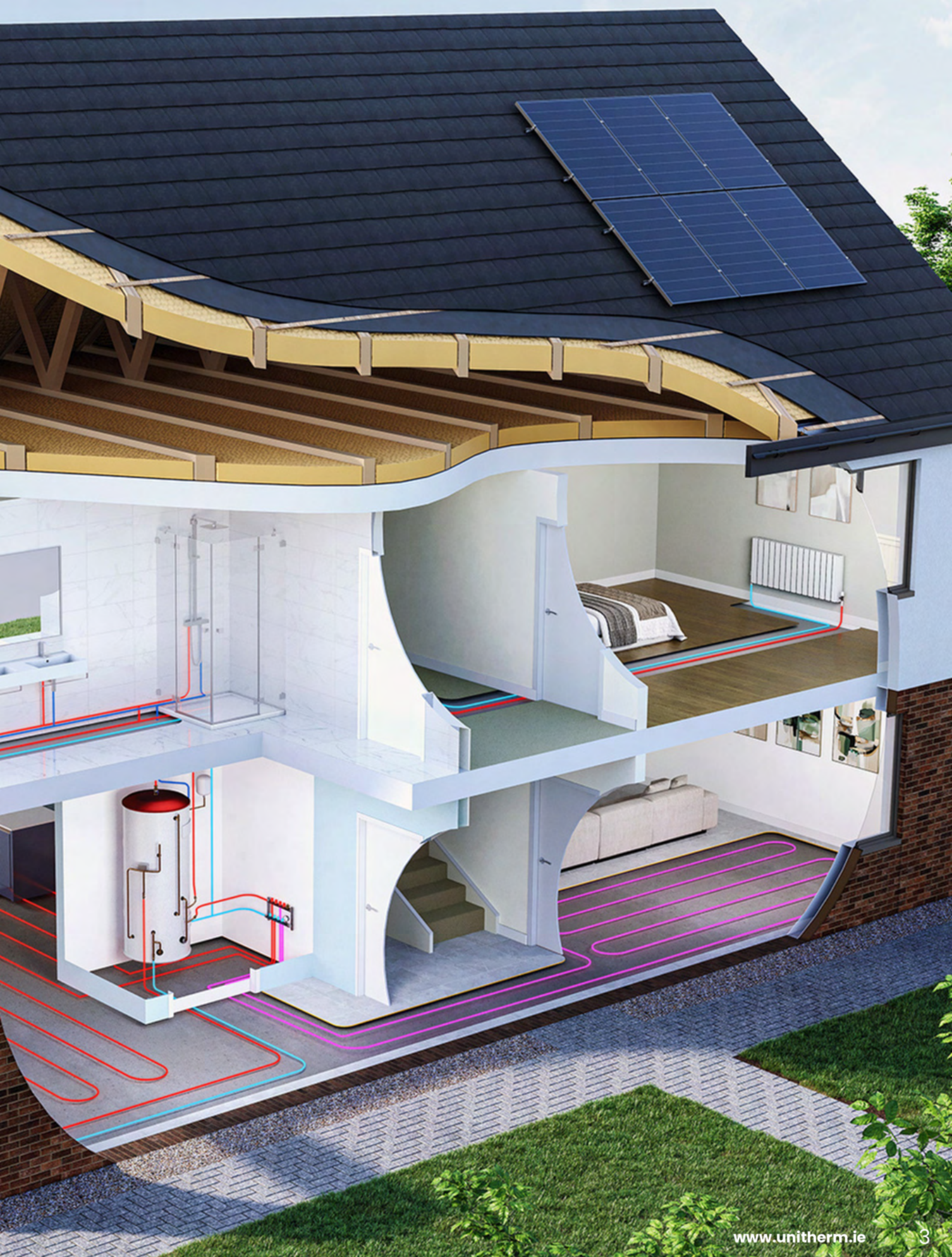
At Unitherm, our full-service approach means we support every stage of a project, from design to installation and beyond. This brochure highlights the products and services we offer for the new build sector, ensuring efficient, low-carbon heating solutions every step of the way.

Adam Byrne – Sales Director

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Why Sustainable Heating?

Heating accounts for a significant portion of energy consumption in Ireland, making it one of the largest contributors to greenhouse gas emissions. As Ireland works toward its climate action goals, sustainable heating solutions such as air source heat pumps (ASHP), underfloor heating and solar thermal systems are becoming essential. These technologies not only reduce reliance on fossil fuels but also pave the way for a cleaner, greener future for generations to come.

Sustainable heating is no longer a choice—it's essential. With regulations like the Energy Efficiency Obligation Scheme and BER tightening, homes and businesses in Ireland must reduce emissions and improve energy efficiency. By investing in sustainable heating now, you'll stay ahead of the curve, ensure compliance, and contribute to Ireland's energy transition.

At Unitherm, we're committed to providing the best heating solutions for Ireland's climate and sustainability goals. With our range of energy-efficient, eco-friendly systems, we help future-proof your property, lower energy bills, and support a more sustainable Ireland.



Hisense



HITACHI



Seamless Renewable Heating For Sustainable Living



At Unitherm, our commitment to sustainable heating is at the core of everything we do. We believe that as the world transitions towards a net-zero future, the heating industry must lead the way by embracing renewable technologies that reduce carbon footprints while enhancing energy efficiency.

The Unitherm Journey

Unitherm Ireland is established

2004

Unitherm decides to incorporate air-to-water into system designs

2008

2015

Hitachi started to build relations with Unitherm Ireland

2018

Unitherm announced their partnership with LG

Unitherm Ireland open their Southern office in Cork

2019

Unitherm UK HQ and Training Centre opens in Exeter with Northern and Southern warehouses

2021

2022

In collaboration with LG, Unitherm UK features at Installer Show for the first time

Welcome to Unitherm, your destination for integrated renewable heating solutions

At Unitherm, we specialise in providing cutting-edge Air Source Heat Pumps, Underfloor Heating and comprehensive training for heating professionals. Our mission is to lead the transition to sustainable energy by offering industry-leading products and education, ensuring that homes and businesses across the Ireland can benefit from efficient and eco-friendly heating systems.

With distribution centres strategically located across Ireland, Unitherm is well-equipped to meet the growing demand for renewable heating solutions.

Our commitment to innovation and quality places us at the forefront of the renewable energy sector. Our extensive range of carefully selected products and services is designed to meet the diverse needs of our clients, from state-of-the-art heat pumps to installation training.

Join us in creating a greener future at Unitherm . Whether you're a property developer looking to create energy efficient homes or an installation professional seeking top-notch training, we have the solutions you need.

Unitherm launched the Hitachi series of Heat Pumps to the Irish Market

2017

Unitherm Ireland started their partnership with Hisense

2023

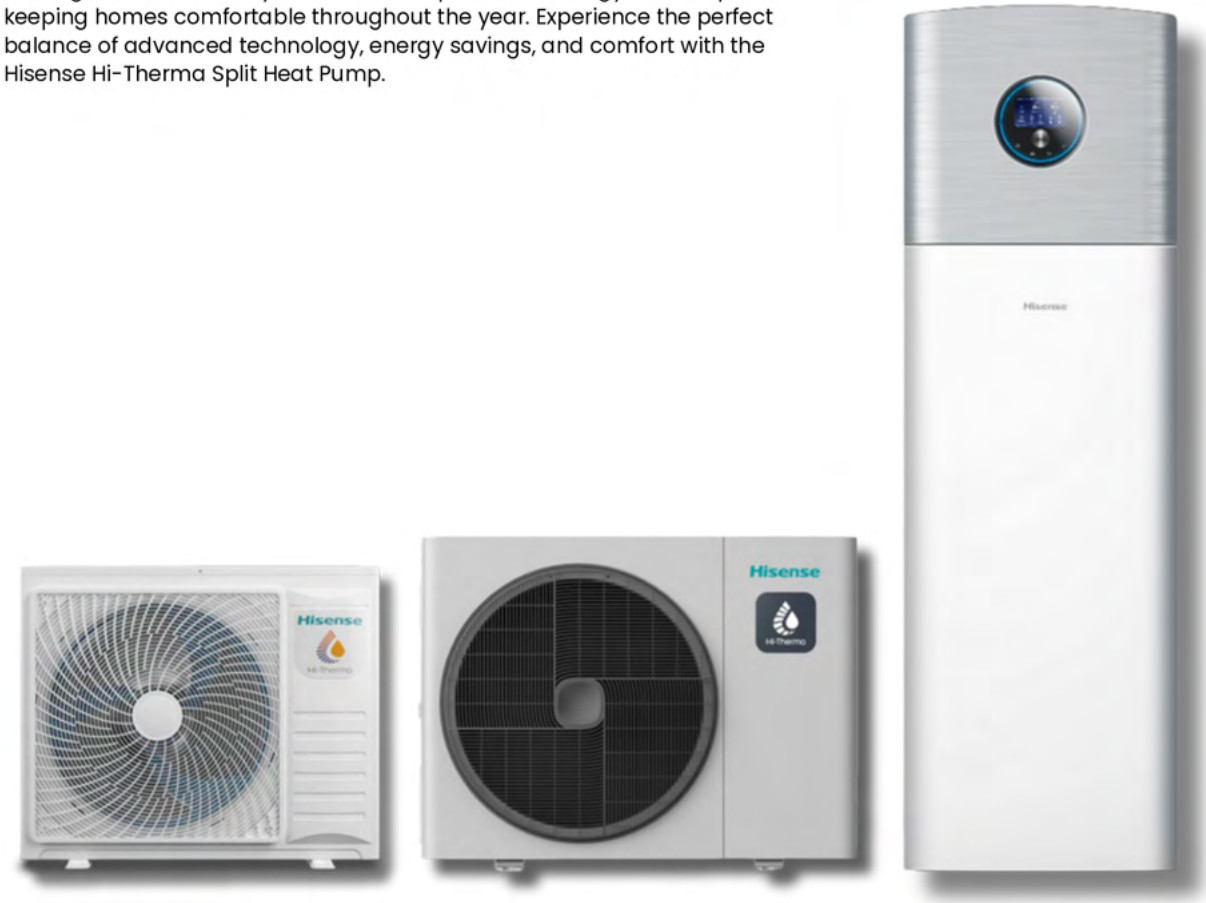
2024

Unitherm moved to new offices and training centre in Galway

Discover the Hisense Hi-Therma Split Heat Pump

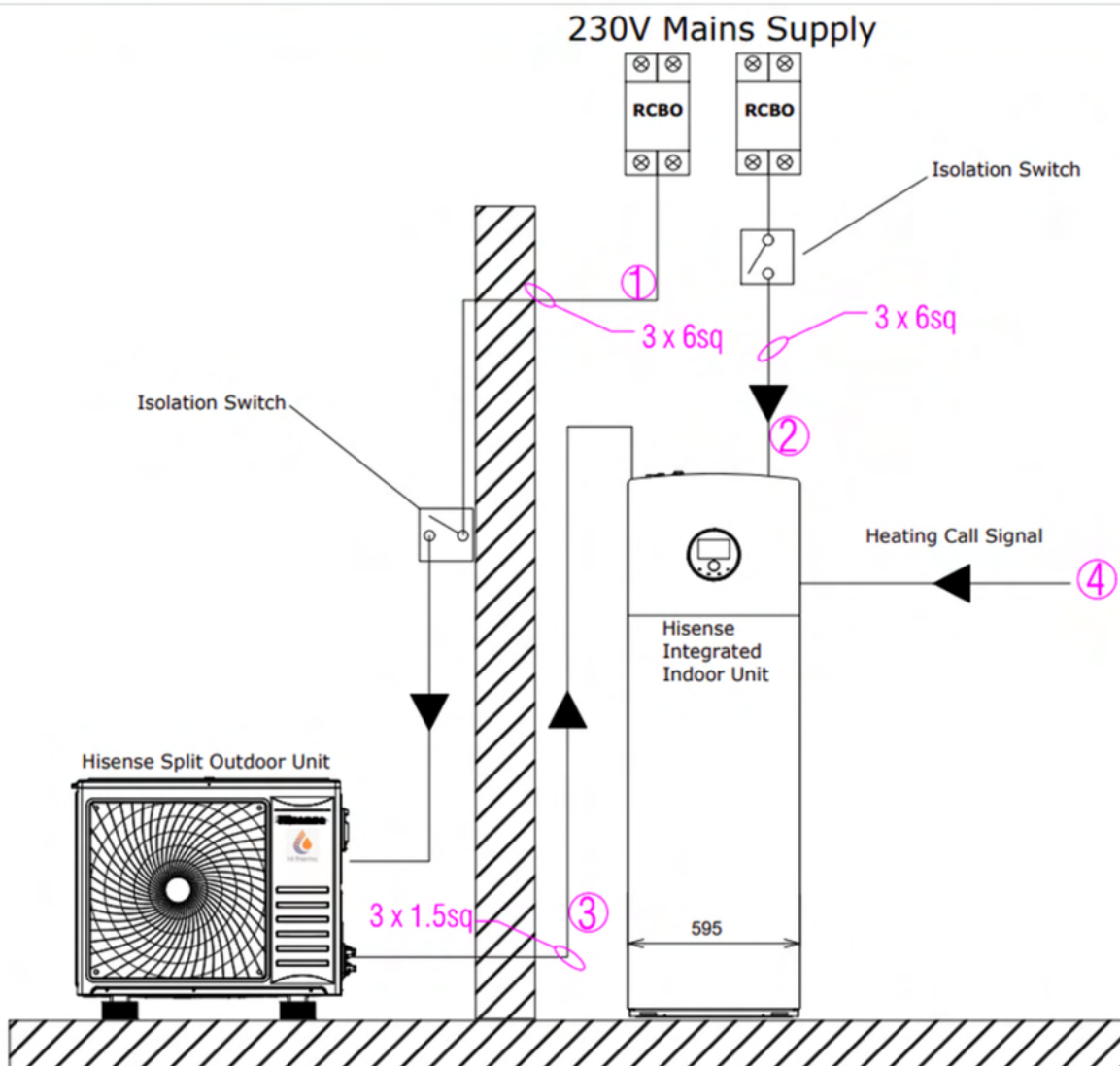
We're excited to introduce the Hi-Therma Split Air Source Heat Pump, a cutting-edge solution designed to meet the evolving demands of modern heating and cooling.

This state-of-the-art system is engineered to provide superior efficiency, making it an eco-friendly choice that helps reduce energy consumption keeping homes comfortable throughout the year. Experience the perfect balance of advanced technology, energy savings, and comfort with the Hisense Hi-Therma Split Heat Pump.



Key Features of the Hisense Hi-Therma Split Heat Pump

1 Outstanding Efficiency The Hisense Hi-Therma Split Heat Pump is engineered for maximum energy efficiency, reducing property owners energy consumption and lowering bills	2 Simplified Installation This heat pump is designed for hassle-free installation, making it easier for both homeowners and professionals to set up the system quickly and efficiently.	3 R32 Eco-Friendly Refrigerant The Hi-Therma Heat Pump uses R32 refrigerant, an environmentally friendly solution that helps reduce global warming potential, ensuring that your heating system is sustainable and eco-conscious.	4 Stable Operation At -25°C Engineered for performance in extreme conditions, the Hi-Therma Heat Pump operates efficiently and reliably even in temperatures as low as -25°C, ensuring stable heating during the coldest months.
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Notes		
Cable List for air to water heatpump		
Description	Required Number of Conductors	Cable Description
1. Mains Power Supply to Outdoor Unit (230V)	2 + Earth	3 x 1.5sq
2. Mains Power Supply to Indoor Unit	2 + Earth	3 x 6sq
3. Interconnection Cable (Low Voltage)	2 + Earth	3 x 1.5sq
4. Heating Call Signal	2 + Earth (Brown, Brown + Earth)	3 x 1.5sq

- Recommended Fuse Size for Heat Pump Outdoor Unit is C32A
- Recommended Fuse Size for Heat Pump Indoor Unit is 32A
- The RCBO for the Heat Pump Outdoor Unit Should be DC Sensitive to avoid nuisance tripping

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Project No.:	
Project Ref.:	
Title: 1st Fix Wiring For Hisense Split Air-To-Water Heat Pump With Integrated Cylinder	
Sheet: 1/3	Drawn By: DH
Date:	Rev:

Showcasing the Hisense Hi-Therma Monobloc Heat Pump

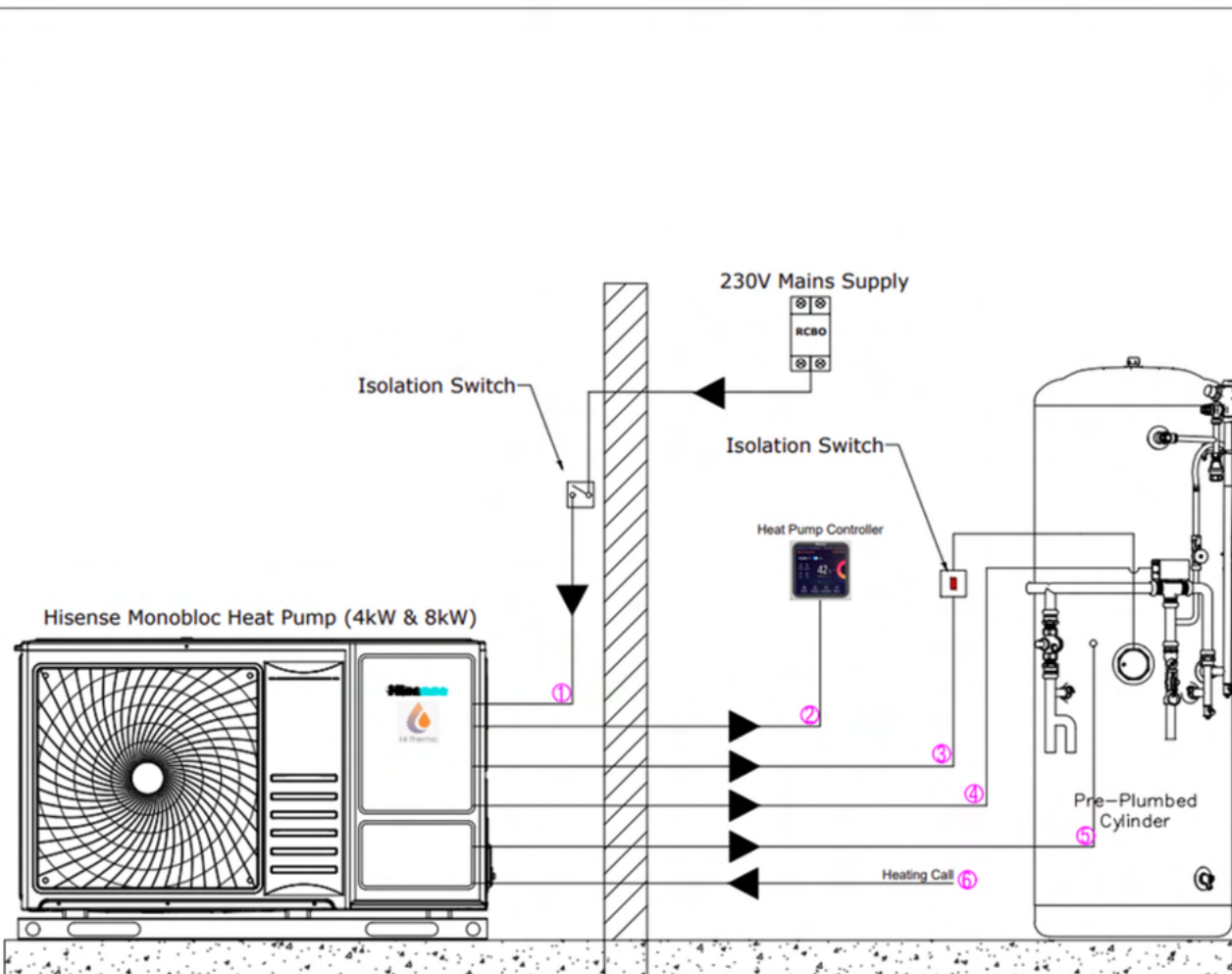
At Unitherm, we're thrilled to present the Hi-Therma Monobloc Air Source Heat Pump, a groundbreaking solution designed to address the ever-changing needs of modern heating.

This advanced system is engineered for outstanding efficiency, offering an eco-friendly option that reduces energy consumption while ensuring year-round comfort in your home. Experience the perfect combination of innovative technology, energy savings, and consistent comfort with the Hisense Hi-Therma Monobloc Air Source Heat Pump.



Key Features of the Hisense Hi-Therma Monobloc Heat Pump

1 A+++ High Efficiency The Hisense Hi-Therma Split Heat Pump is engineered for maximum energy efficiency, reducing property owners energy consumption and lowering bills.	2 Quiet Performance Experience a peaceful living environment with the Hisense Hi-Therma Heat Pump's low-noise operation. It's engineered to deliver quiet, efficient heating, minimising disruptions and maximising comfort.	3 R32 Eco-Friendly Refrigerant For environmentally-conscious homeowners, the Hi-Therma Heat Pump uses R32 refrigerant. This ensures lower environmental impact while still delivering powerful heating performance.	4 Seamless Integration The Hisense Hi-Therma Heat Pump easily integrates with other heat sources, providing flexibility and customisation to meet the unique needs of your home heating and cooling system.
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Notes		
Cable List for air to water heatpump		
	Description	Required Number of Conductors
1	Mains Power Supply To Outdoor Unit (230V AC)	2 + Earth
2	Heat Pump Controller cable (12V DC)	2
3	Extension Cable (230V AC)	2 + Earth
4	Three-Port Valve Cable (230V AC)	2 + Earth
5	Cylinder Sensor Cable (12V DC)	2
6	Heating Call To Heat Pump (From Internal Thermostat)	2 + Earth (Brown, Brown)

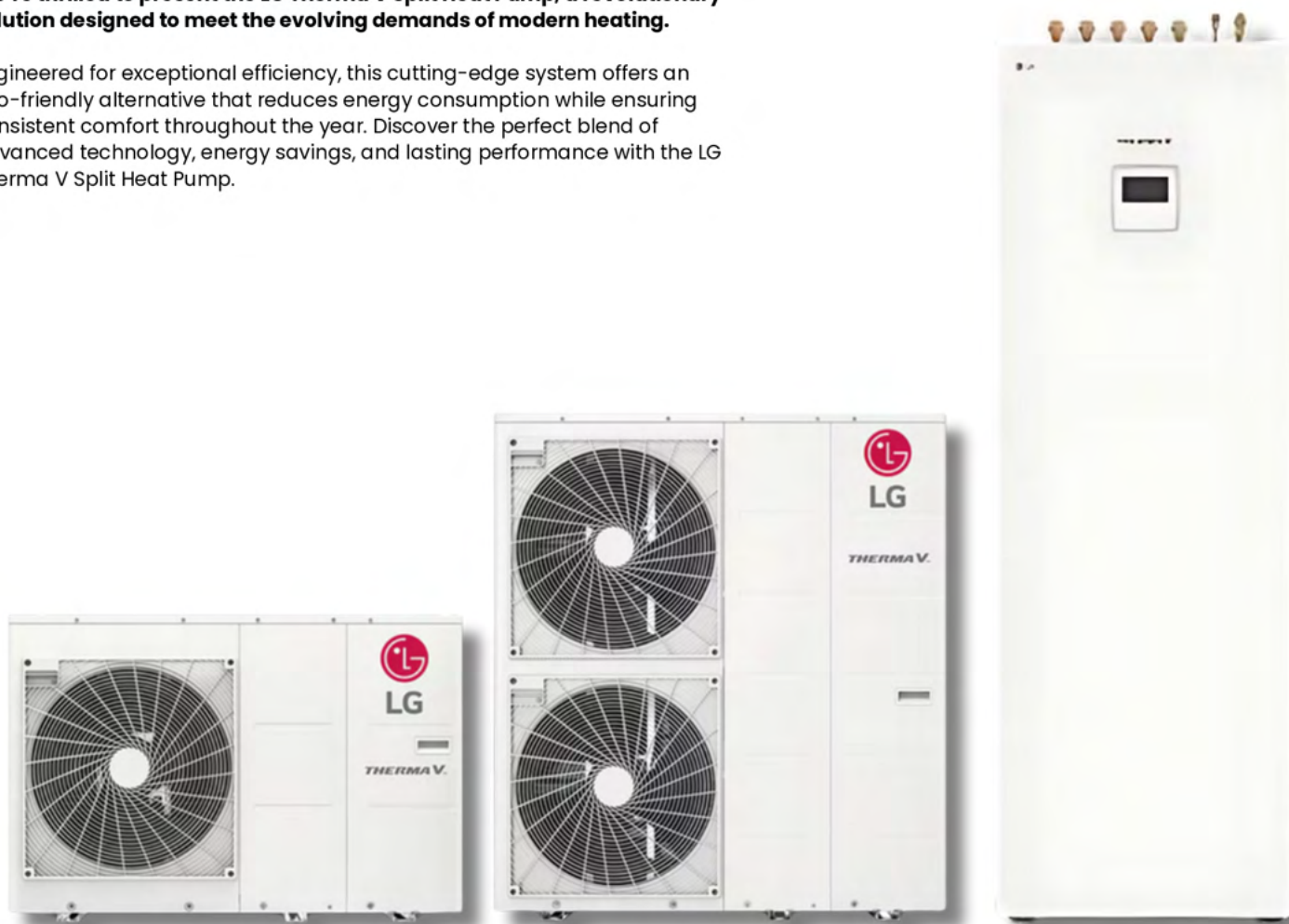
1.	Recommended Fuse Size for Heat Pump Outdoor Unit is C32A
2.	The RCBO for the Heat Pump Unit Should be rated for DC Current, To Avoid Nuisance Tripping

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E-mail : info@unithermhs.ie Website : www.unithermhs.ie	
Project Ref: 227777	
Title: 1st Fix Wiring For Hisense Monobloc (4kW & 8kW) With Pre-Plumbed Cylinder	
Sheet: 1/3	Drawn By: DH
Date: 29/09/2023	Rev: 00

Bringing You The LG Therma V Split Heat Pump

We're thrilled to present the LG Therma V Split Heat Pump, a revolutionary solution designed to meet the evolving demands of modern heating.

Engineered for exceptional efficiency, this cutting-edge system offers an eco-friendly alternative that reduces energy consumption while ensuring consistent comfort throughout the year. Discover the perfect blend of advanced technology, energy savings, and lasting performance with the LG Therma V Split Heat Pump.



Key Features of the LG Therma V Heat Pump

1 Superior Efficiency

The LG Therma V Split Heat Pump is designed for optimal energy efficiency, helping homeowners reduce energy consumption and lower their utility bills.

2 Quiet Operation

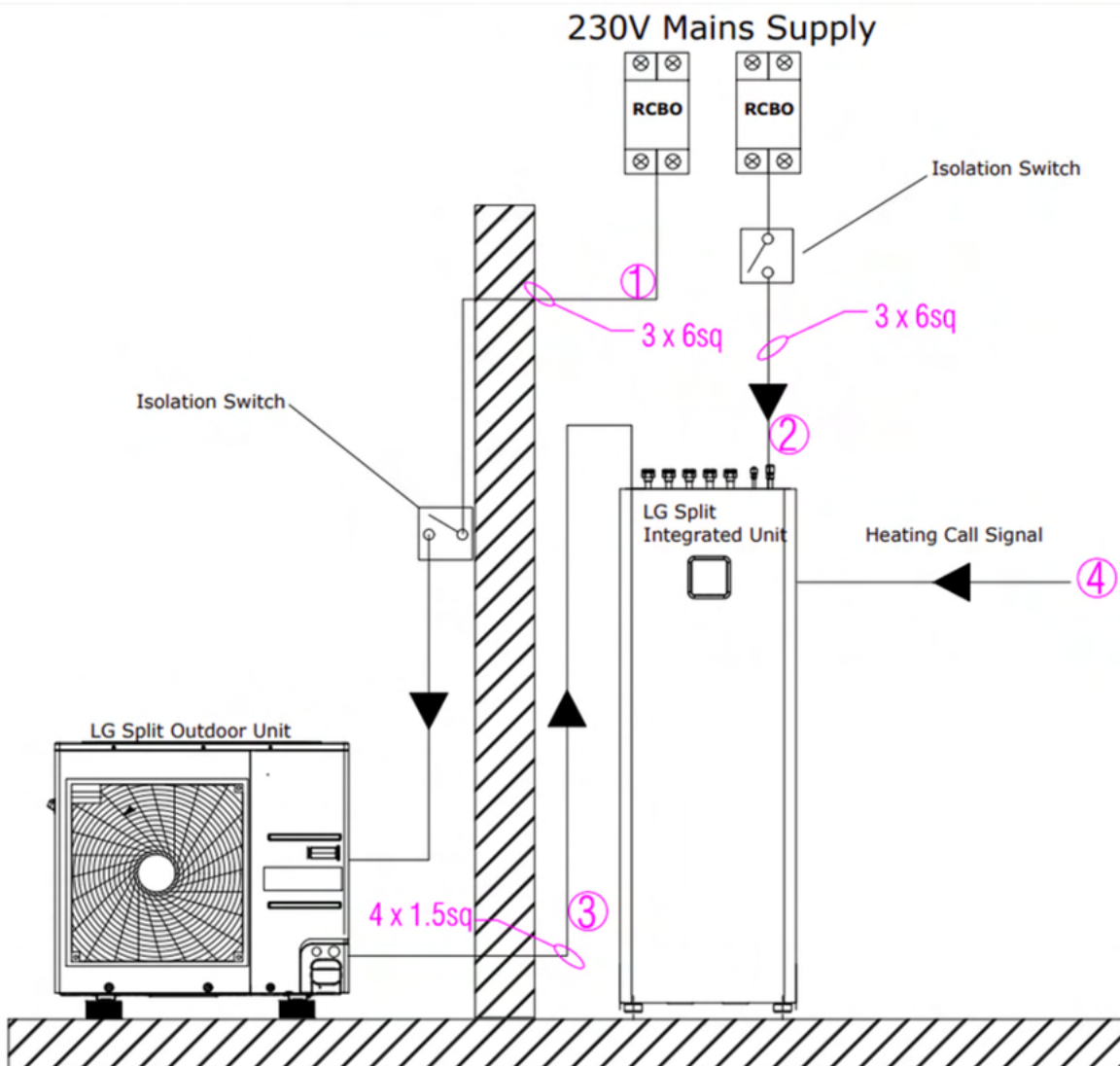
Designed for low noise levels, ensuring that it operates quietly even during peak performance.

3 Durability and Reliability

Built with robust materials and components that ensure long-term reliability, even in challenging environmental conditions.

4 Integration with Renewable Energy

Can be paired with solar panels and other renewable energy sources for a more sustainable energy solution.



Notes		
Cable List for air to water heatpump		
Description	Required Number of Conductors	Cable Description
1. Mains Power Supply to Outdoor Unit (230V)	2 = Earth	3 x 6sq
2. Mains Power Supply to Indoor Unit (300V Interconnect)	2 = Earth	3 x 6sq
3. Interconnection Cable Line, Neutral & Earth (230V)	3 = Earth	4 x 1.5sq
4. Heating Call Signal	2 = Earth (Brown, Brown = Earth)	3 x 1.5sq

- Recommended Fuse Size for Heat Pump Outdoor Unit is C32A
- Recommended Fuse Size for Heat Pump Indoor Unit is 32A
- The RCBO for the Heat Pump Outdoor Unit Should be DC Sensitive to avoid nuisance tripping

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Project Ref:	
Title: 1st Fix Wiring For LG Split Air-To-Water Heat Pump With Integrated Cylinder	
Sheet: 1/3	Drawn By: DH
Date:	Rev:

Bringing You The LG Therma V Monobloc Heat Pump

If you're exploring options for a high-performance, energy-efficient heating system, the LG Therma V Monobloc Heat Pump from Unitherm is an excellent choice.

This all-in-one heat pump is designed to deliver reliable heating and hot water solutions while significantly reducing energy consumption and carbon emissions.



Key Features of the LG Monobloc Heat Pump

1 All-in-One Design

The Monobloc system integrates the outdoor and indoor units into a single, compact unit, simplifying installation and saving space.

2 Energy Efficient

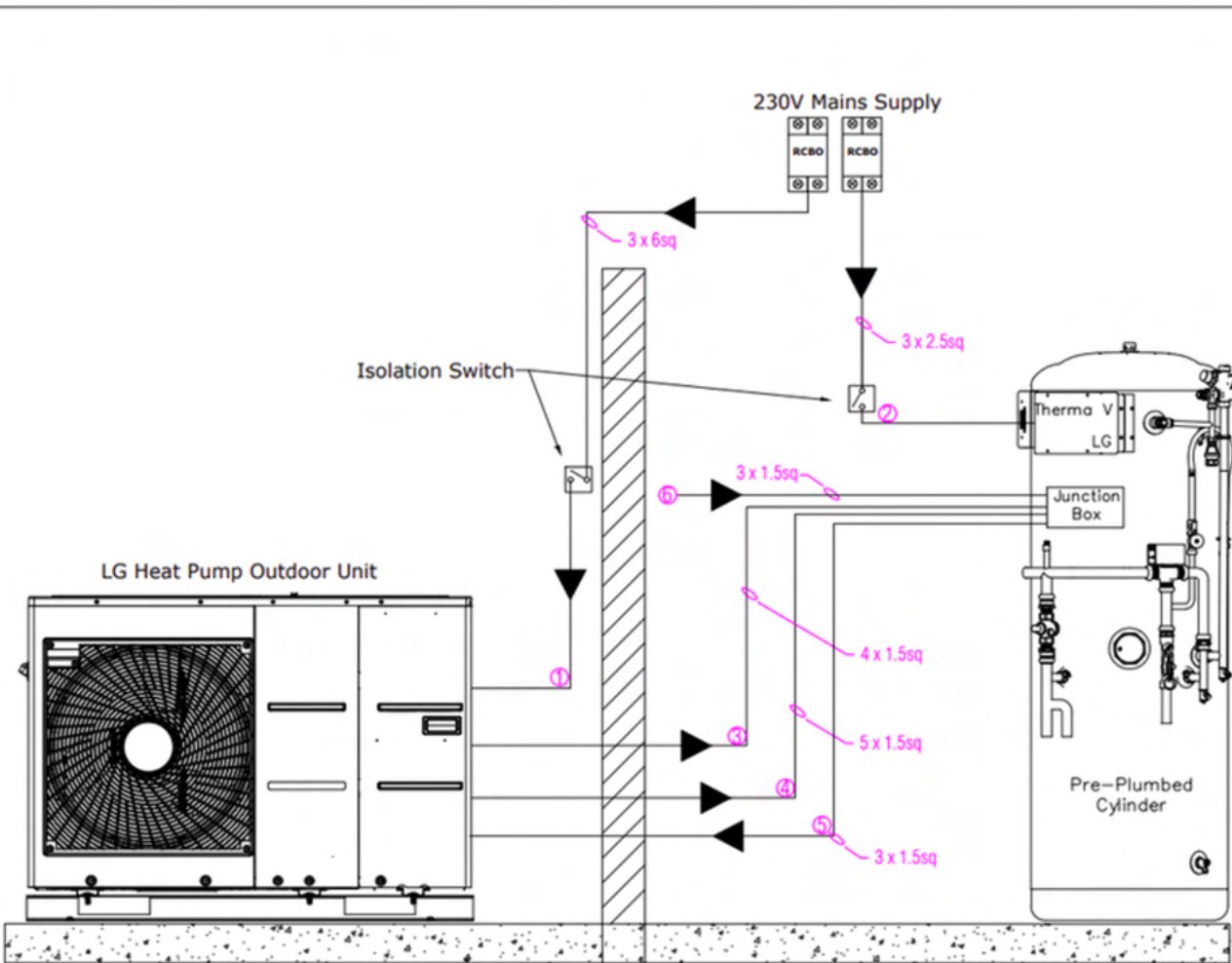
Equipped with LG's advanced inverter technology, the Therma V Monobloc optimises energy use, reducing operating costs while maintaining high performance.

3 Low Temperature Performance

Capable of operating effectively in temperatures as low as -25°C , making it suitable for colder climates.

4 High Heating Capacity

Offers powerful heating capabilities, suitable for a variety of property sizes and heating demands.



Notes		
Cable List for air to water heatpump		
Description	Required Number of Conductors	Cable Description
1. Mains Power Supply to Outdoor Unit	2 + Earth	3 x 6sq
2. Power Supply cable for 3kW Immersion	2 + Earth	3 x 2.5sq
3. High Voltage Heat Pump Link Cable (380V)	3 + Earth (Line For Immersion Contactor, Line For 3-part Valve, Common Neutral)	4 x 1.5sq
4. Low Voltage Heat Pump Link Cable (17V DC)	3 (2 For Controller, 1 For Cylinder Sensor)	3 x 1.5sq
5. Heating Call Signal To Heat Pump	2 + Earth (Brown, Brown)	3 x 1.5sq
6. Call Signal From Heating Controls (Thermostat, Motorised Valve)	2 + Earth (Brown, Brown)	3 x 1.5sq

- Recommended Fuse Size for Heat Pump Outdoor Unit is C32A
- Recommended Fuse Size for 3kW immersion is 20A
- The RCBO for the Heat Pump Outdoor Unit Should be rated for DC Current Due to Pulsating DC Current Produced by the Outdoor Unit

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Project No.:
Project Ref.:
Title: 1st Fix Wiring For LG Single Fan Heat Pump With Pre-Plumbed Cylinder

Sheet: 1/3
Date: 27/03/2023

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Rev: 00

Showcasing The Hitachi Yutaki S Combi Heat Pump

If you're looking for a powerful, energy-efficient heating solution, the Hitachi Yutaki S Combi Heat Pump is the perfect choice.

This advanced, all-in-one system is engineered to provide reliable heating and hot water, all while reducing both energy usage and carbon emissions, making it a sustainable and cost-effective option for your home.



Key Features of the Hitachi Yutaki S Combi Heat Pump

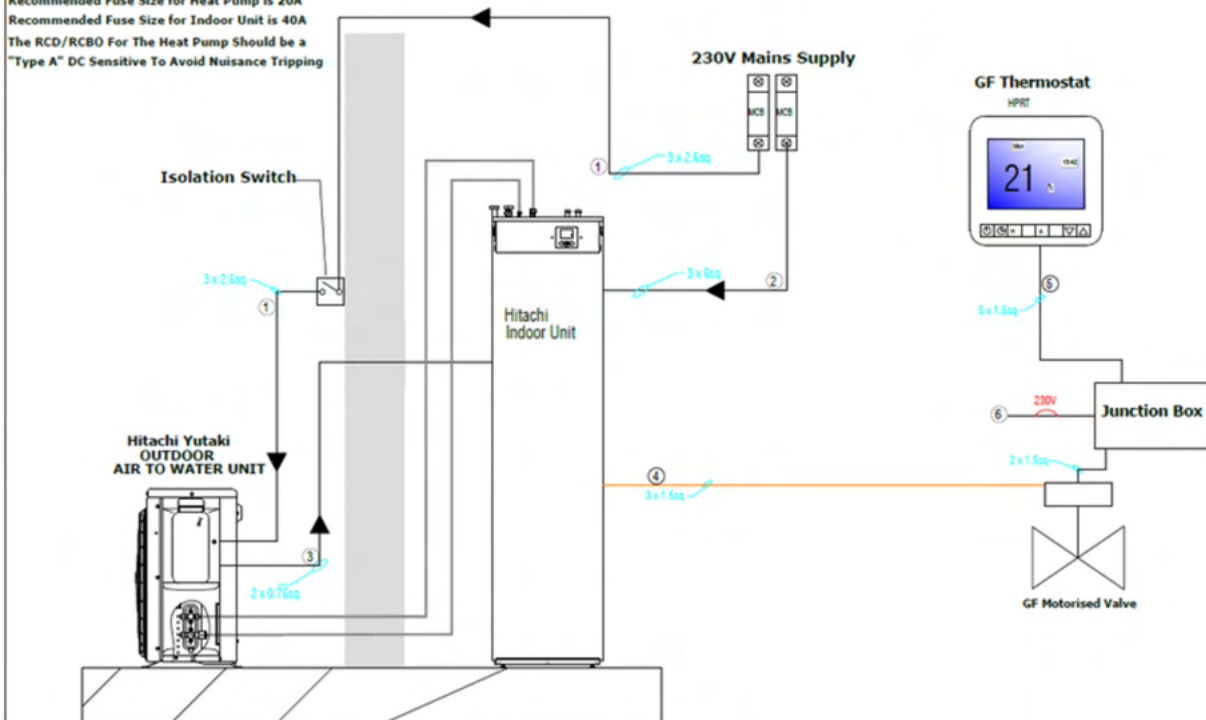
1 Energy Efficiency The Hitachi Yutaki S Combi is designed to provide excellent energy efficiency, helping to reduce overall energy consumption and lower utility bills while maintaining a comfortable indoor environment.	2 Flexible Installation This system features a combi design, offering greater flexibility in installation. It can be easily adapted to various property types, making it a versatile option for both new builds and retrofits.	3 Reliable Performance It's built for consistent and reliable performance, even in colder climates, providing efficient heating and hot water throughout the year, regardless of external weather conditions.	4 High Heating Capacity Using R32 refrigerant, the Yutaki S Combi is environmentally friendly, reducing the system's carbon footprint while maintaining high performance and reducing harmful emissions.
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Cable List for air to water heatpump

Description	Required Number of Conductors	Cable Description
1 Mains Power Supply to Outdoor Unit	2 + Earth	3 x 2.5sq
2 Power Supply cable for Indoor Unit	2 + Earth	3 x 6sq
3 Interconnection Cable	2	2 x 0.75sq (Shielding Cable)
4 Volt Free Contact from Heating System	2 + Earth	3 x 1.5sq
5 Thermostat Cable	4 + Earth	5 x 1.5sq
6 Permanent Supply	2 + Earth	3 x 1.5sq

Recommended Fuse Size for Heat Pump is 20A
 Recommended Fuse Size for Indoor Unit is 40A
 The RCD/RCBO For The Heat Pump Should be a
 "Type A" DC Sensitive To Avoid Nuisance Tripping



Drawing Title: 1st Fix Wiring For Hitachi Single Fan Heat Pump With Integrated Cylinder	Project No: 7777	Date: 7777	Drawn By: 7777
Client Ref: 7777			



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Discover Our Exhaust Air Heat Pump

Introducing the e.VEN, a revolutionary all-in-one solution for heating, ventilation, and hot water production that redefines energy efficiency and home comfort.

With the e.VEN system, you can harness waste energy from your home's indoor air, converting it into usable heat for both space heating and hot water, all without the need for an outdoor unit. This innovation not only simplifies your home's infrastructure but also delivers outstanding cost-effective performance, perfect for apartments and small houses.

The e.VEN system seamlessly integrates ventilation with heating, effectively circulating fresh air while warming your living space and providing hot water. No more juggling multiple systems—enjoy streamlined efficiency in one smart package.

Equipped with an advanced control system, e.VEN continuously monitors humidity levels to ensure optimal air quality, creating a healthier living environment year-round. It supports domestic hot water and space heating for up to two independent zones, giving you precise control over your home's comfort.

The user-friendly touchscreen controller, paired with Bluetooth and Wi-Fi connectivity, allows you to manage your system effortlessly. Through our cloud-based platform, you can access the e.VEN mobile app on both Android and iOS devices, making it easy to monitor and adjust settings from anywhere.

The e.VEN system offers unmatched energy efficiency, comfort, and convenience. It's not just a heating and ventilation system; it's the future of home climate control.

Benefits

Domestic Hot Water (DHW)
Heating
Ventilation
All-In-One Unit (No Outdoor Unit)
Easy Installation
Improved Air Quality
Humidity Control
Smart Technology with Cloud Connectivity



How the e.VEN Air Heat Pump Works:

The e.VEN exhaust air heat pump works by recycling energy from your home's warm indoor air. It extracts heat from the air in wet rooms, redistributing it to your heating system, whether through underfloor heating, radiators, or the integrated 180L domestic hot water cylinder. As the fan draws in warm indoor air, the e.VEN's heat pump captures the heat energy, adjusts the temperature, and returns it to the home's heating and hot water systems. The cooled and dehumidified air is then vented outside, while fresh air is drawn in through wall or window vents, or optionally, the e.VEN+ preheating supply air module.

Simply set your desired temperature, and the e.VEN system will take care of the rest, delivering comfort and efficiency regardless of the outdoor climate.

Experience the future of home heating with e.VEN— where efficiency, comfort and environmental responsibility come together.



Heat Pump

Cylinder Range

The Unitherm e.Cyl Heat Pump Cylinder is a versatile, pre-plumbed solution designed for efficient space heating and domestic hot water in homes.

With its pre-installed unvented kit and pre-fitted external components, it reduces installation time and enhances overall system quality, making it a go-to choice for heat pump systems.

Key Features of the Heat Pump Cylinder Range

- 1 British-Manufactured**
Universal pre-plumb cylinder designed specifically for heat pumps.
- 2 Time-Saving Installation**
Pre-plumbed primary pipework and components reduce setup time, allowing it to start working immediately.
- 3 High-Grade Materials**
Manufactured from durable 1mm thick duplex stainless steel for longevity.
- 4 Optimal Installation**
Fully insulated with 50mm CFC and HCFC-free polyurethane insulation, minimising heat loss.
- 5 Energy Efficiency**
The cylinder features a larger heat exchange coil than standard cylinders, maximising surface area for heat transfer.

Components

Pre-fitted 12mm sensor probe pocket for seamless integration with heat pumps.
Dual 12-way wiring centres for both DHW (domestic hot water) and heating controls.
Universal mounting plate for easy installation with heat pump systems.
Flow meter, heating circulation pump, and 2-port zone valve included.
Magnetic filter to maintain system cleanliness.
Filling link with pressure gauge for easy monitoring.



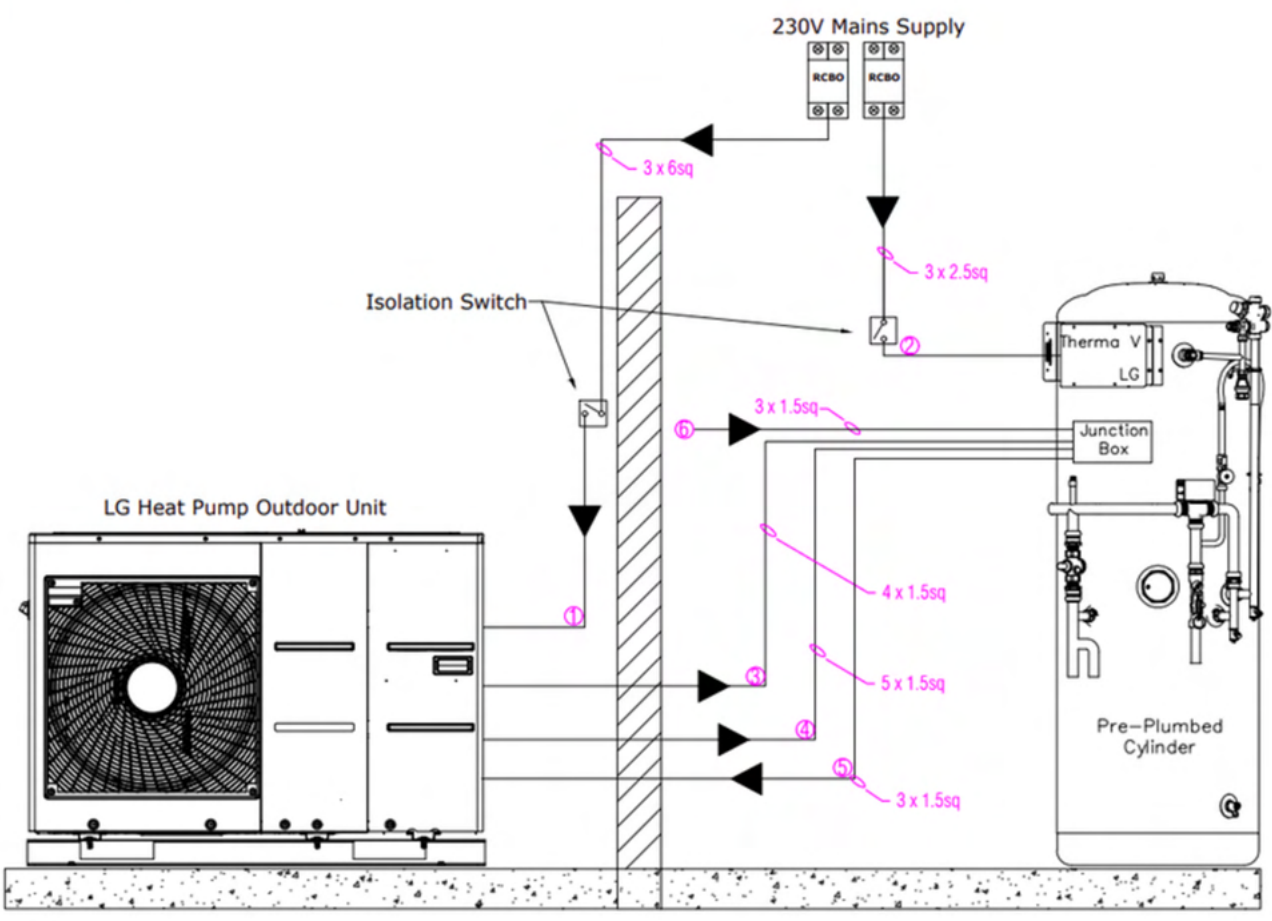
25

25-year
warranty on
the cylinder

12

12-month
warranty on
all supplied
components

This all-in-one solution is ideal for homeowners and installers looking to simplify their heat pump setup while ensuring reliability and high performance.



Notes

Cable List for air to water heatpump

Description	Required Number of Conductors	Cable Description
1. Mains Power Supply to Outdoor Unit	2 + Earth	3x6sq
2. Power Supply cable for 3kW Immersion	2 + Earth	3x2.5sq
3. High Voltage Heat Pump Link Cable (230V)	3 + Earth (Line For Immersion Contact, Line For 3 part Wire, Common Neutral)	4x1.5sq
4. Low Voltage Heat Pump Link Cable (12V DC)	3 For Controller, 2 For Cylinder Sensor	5x1.5sq
5. Heating Call Signal to Heat Pump	2 + Earth (Brown, Brown)	3x1.5sq
6. Call Signal from Heating Controls (Thermostat, Motorised Valves)	2 + Earth (Brown, Brown)	3x1.5sq

- Recommended Fuse Size for Heat Pump Outdoor Unit is C32A
- Recommended Fuse Size for 3kW Immersion is 20A
- The RCBO for the Heat Pump Outdoor Unit Should be rated for DC Current Due to Pulsating DC Current Produced by the Outdoor Unit

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Project No: _____
 Project Ref: _____

Title: 1st Fix Wiring For LG Single Fan Heat Pump With Pre-Plumbed Cylinder

Sheet: 1/3
 Date: 27/03/2023

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 Rev: 00

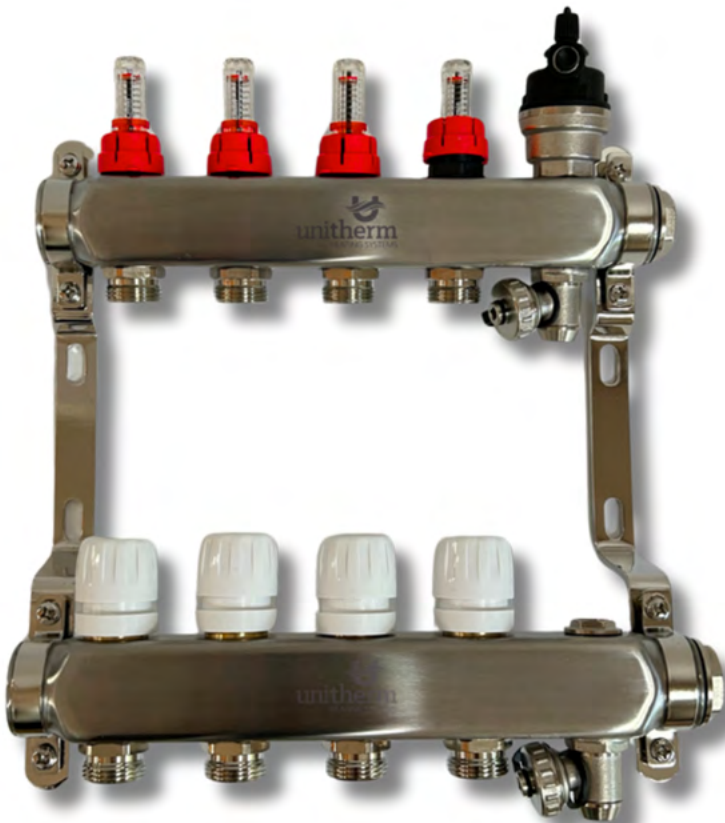
Bringing You

Unitherm

Underfloor Heating

Unitherm offer top-of-the-line underfloor heating systems designed to bring unparalleled comfort and efficiency to your home.

Unitherm underfloor heating provides an innovative and discreet solution that enhances the warmth and cosiness of any living space.



50

All our pipe is covered by a 50-year warranty

Key Features of Unitherm Underfloor Heating

1 Ultimate Comfort Underfloor heating provides even heat distribution across the entire room, eliminating cold spots and ensuring a consistent and comfortable temperature from floor to ceiling.	2 Energy Efficiency Our underfloor heating systems operate at lower temperatures compared to traditional radiators, leading to significant energy savings and reduced heating bills without compromising on warmth.	3 Space-Saving Design You free up wall space that would otherwise be occupied by radiators, allowing for more flexible interior design and furniture arrangement.	4 Versatility Unitherm underfloor heating systems are compatible with a wide range of floor coverings, including tiles, wood, and carpet, making them suitable for any room in your home.
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SCALE @ A1:
1:50

Welcome to the

Healthbox

3.0 Hygro

Introducing the Healthbox 3.0 Hygro, an advanced indoor air quality solution designed to enhance both comfort and well-being in modern homes.

This cutting-edge system seamlessly combines ventilation, humidity control, and air purification, ensuring that you breathe healthier, fresher air every day.

The Healthbox 3.0 Hygro uses innovative technology to regulate indoor humidity levels while providing fresh air ventilation. By maintaining the ideal humidity in your home, it prevents the growth of mold and bacteria, improving both air quality and overall health. Whether you're managing excess moisture in a bathroom or dry air in a living room, this system ensures optimal comfort throughout the year.

With its smart humidity control feature, the Healthbox 3.0 Hygro adjusts airflow automatically to balance humidity levels, creating a healthier environment for you and your family. This advanced system continuously monitors and adapts to changes in your home's climate, making it a reliable, hands-off solution for maintaining perfect indoor conditions.

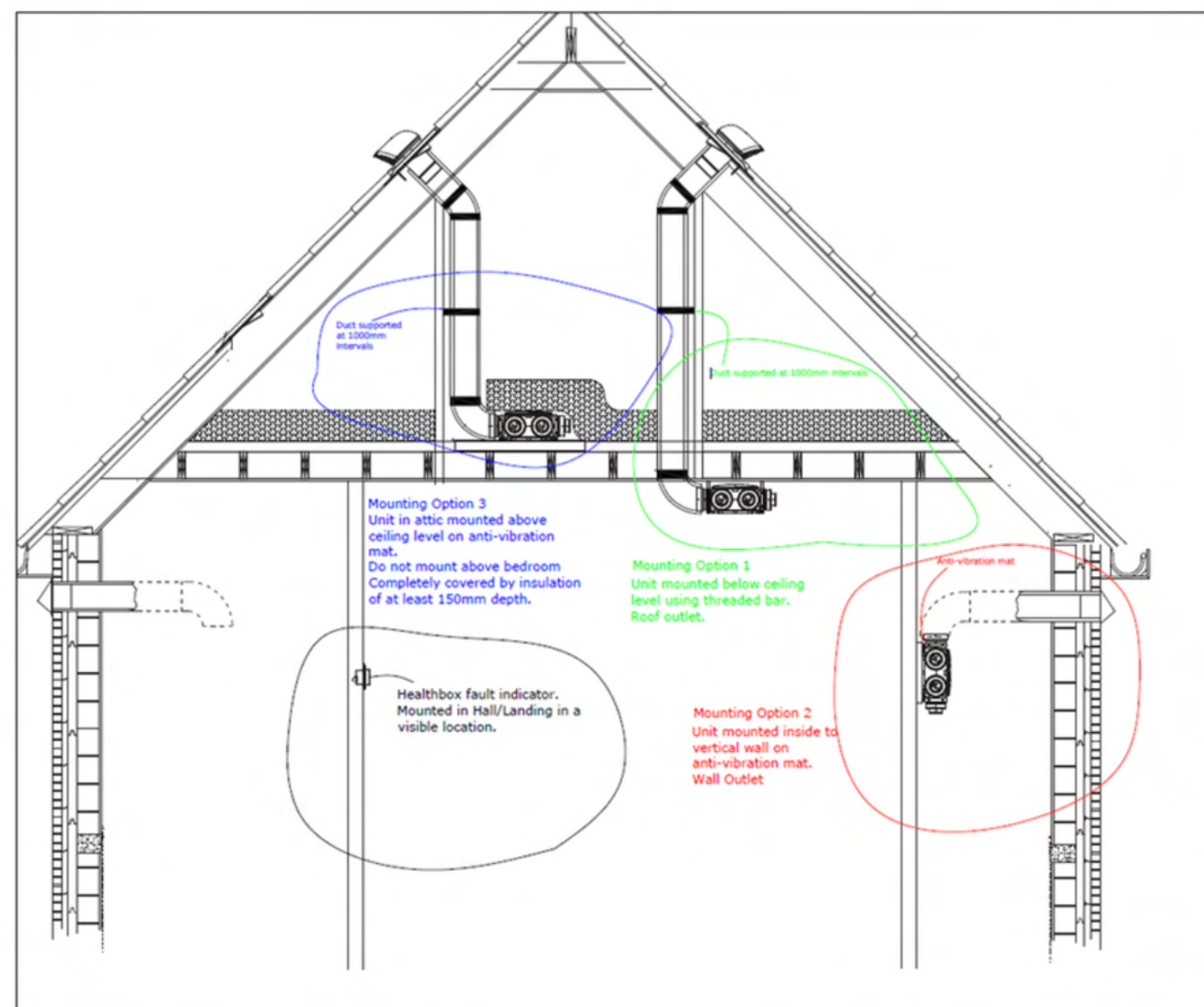
The Healthbox 3.0 Hygro is more than just an air ventilation system; it's a complete air quality solution that fosters a healthier and more comfortable living environment, all while being energy efficient and environmentally friendly. Experience the next generation of home comfort with Healthbox 3.0 Hygro—where air quality meets innovation.



Features

Clear Insight Into Air Quality In The App
The Quietest Centralised Ventilation System
Customise your Ventilation
Compact and Elegant Design
Easy Installation
Seamless Integration
Sustainable & Eco-Friendly
Continuous Air Monitoring

Designed for easy integration, the Healthbox 3.0 Hygro works quietly and efficiently in homes of all sizes, offering flexible installation options. The intuitive touchscreen interface and app-enabled controls allow you to manage settings remotely, ensuring you always have full control of your home's air quality from anywhere.



LEGEND

DCV Legend

Healthbox 

Ceiling Plenum Twin Pipe 

Healthbox 75mm pipe adaptor 

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Project No:
 Project Ref:
 Title: **Installation Drawing 2**
 App. By: MG Drawn By: MG
 Date: 25/09/2024 Rev: 00

Unitherm Aluminium

Radiators

Unitherm Aluminum Radiators are high-quality heating solutions designed to provide efficient and reliable heat distribution in residential and commercial spaces.

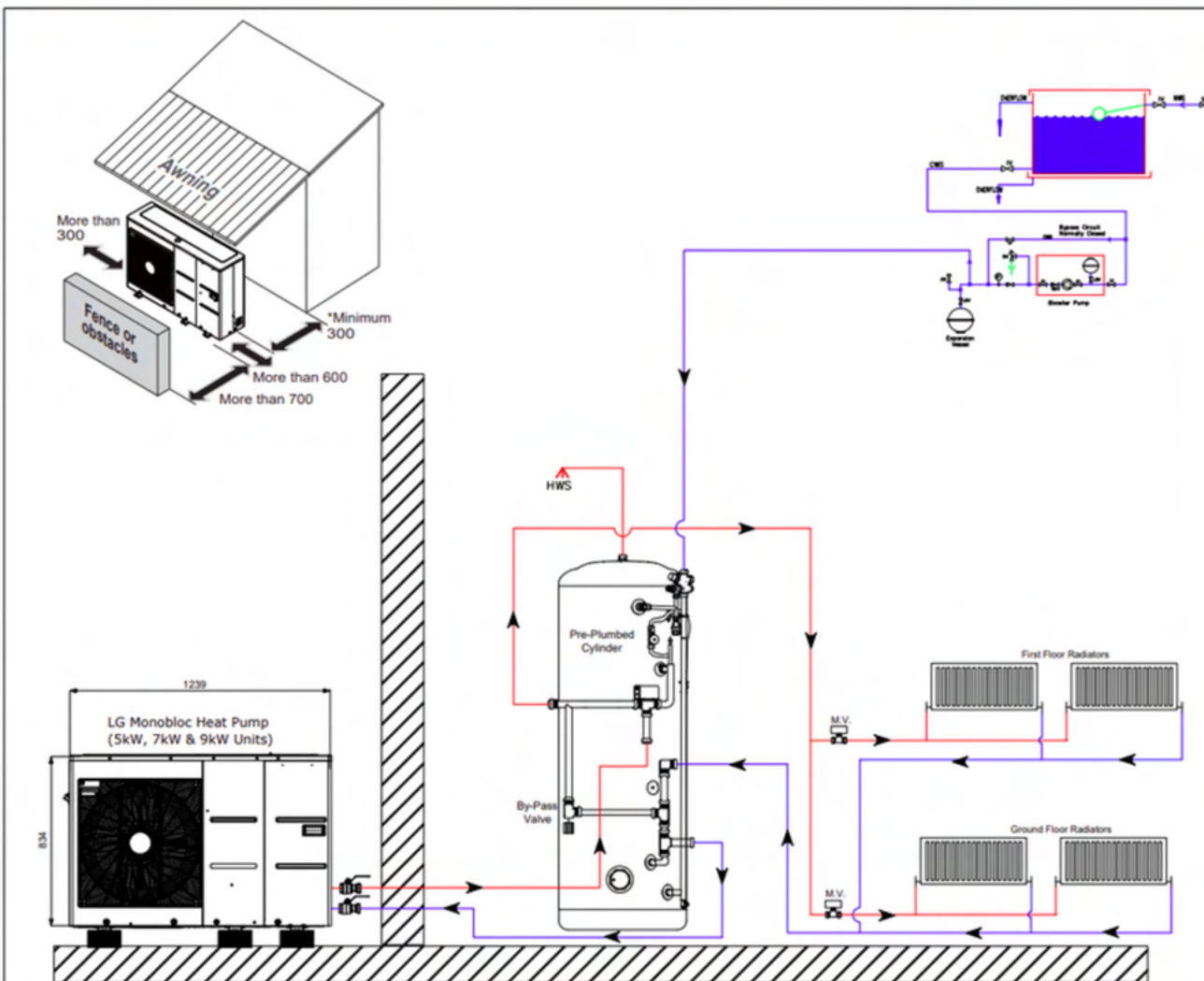
These radiators are known for their advanced technology, durable construction, and stylish designs. These patented die-cast aluminum radiators are made with 100% recycled materials.

Features

Connections Diameter 1" With Fitting Reducers To 1/2"
Element Width 80mm
The Elements Are Assembled In Batteries From 4 To 15 Sections
Standard Colour Pure White RAL 9010
Maximum Operating Pressure Is 16 Bar
All radiators come with a 15 Year Warranty
Thermal Outputs In Watts Performed At The MRT Lab Of The Milan Polytechnic According To The EN 442- 1:2014 Standard



Superior Heat Output Unitherm radiators are engineered to provide exceptional heat output, ensuring your spaces are warm and comfortable even during the coldest months.	Energy Efficiency Designed with energy-saving technology, these radiators help reduce your energy consumption and lower homeowners bills without compromising on performance.
Elegant Design With a modern design, Unitherm radiators add a touch of elegance to any interior.	Durability and Reliability Made from high-quality materials, Unitherm radiators are built to last. Their robust construction ensures long-term reliability, minimal maintenance and is backed by a 10 year warranty.
Easy Installation Unitherm radiators are designed for straightforward installation, making them a convenient choice for both new builds and retrofit projects.	Eco-Friendly Committed to sustainability, Unitherm uses eco-friendly manufacturing processes and materials, helping you reduce your carbon footprint.



Notes

Rear Of Heat Pump

- Flow Connection (1")
- Return Connection (1")

Pipework going from Outdoor unit to cylinder to be 1" in copper or 32mm in multilayer

**Note: We recommend that an inhibitor is always used in order to clean and protect the system*

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Project Ref: _____

File: Mechanical Schematic for LG Monobloc Air to Water Heat

Draw: 1/1 Pump By: DH

Date: _____ Rev: _____



Design

Service

At Unitherm, we pride ourselves on offering a comprehensive and tailored heating system design service that simplifies your project from start to finish. With just your architectural working drawings and SAP report, we will provide a complete heating solution to meet your specific needs.

Our Design Process:

1



→ Heat Loss Calculations

We meticulously calculate the heat losses to ensure optimal efficiency and performance of your heating system.

2



→ Heat Pump Sizing

Based on our heat loss calculations, we determine the correct size of the heat pump & hot water cylinder required for your project, ensuring maximum efficiency and cost-effectiveness.

3



→ Product Location

We identify the best location for the heating system equipment to ensure full integration and ease of maintenance.

4



→ Radiator Specifications

Our team sizes, locates, and schedules your radiators to guarantee correct outputs, even heat distribution, comfort and efficient use of space.

5



→ Underfloor Heating Design

We provide detailed underfloor heating designs, including the location of the manifold, ensuring seamless integration and ease of operation.

6



→ Full System Specification

Our dedicated design team creates a fully specified mechanical and electrical system tailored to your unique requirements, guaranteeing optimal performance.

7



→ Performance Warranty

We offer a performance warranty, providing you with peace of mind that your system will operate as intended.

8



→ Full Guarantee Indemnity Design

Our designs come with a fully guaranteed indemnity, ensuring that your project is protected and compliant with industry standards.

9



→ End User Handover Support

We provide comprehensive handover support to the end user, ensuring they are fully informed and confident in operating their new heating system.

Why Choose Unitherm?

Dedicated Design Team

Our experienced and knowledgeable design team is committed to delivering high-quality, bespoke heating solutions tailored to your needs.

Comprehensive Solutions

From heat loss calculations to end user support, we cover every aspect of your heating system design to ensure a hassle-free experience.

Reliable and Efficient Systems

Our meticulous design process ensures that your heating system is both reliable and efficient, providing maximum comfort and cost savings.

Customer Satisfaction

We are dedicated to ensuring our customers are satisfied with their heating systems, offering support and expertise at every stage of the project.

At Unitherm, we take the stress out of heating system design, providing you with a fully specified, high-performance solution that meets all your requirements.

Training

Certificate in Heat Pump Installation, Commissioning, Maintenance and Servicing

This Level 6 course provides you with increasingly desirable skills and the practical expertise necessary to competently design, install, commission and maintain domestic Heat Pump systems.

Energy security and climate change are key challenges facing society. Consequently, Irish homes will have to continue to displace imported fossil fuels, and Heat Pumps can help achieve this goal. In fact, Heat Pumps can efficiently provide both winter heating and summer cooling. By 2030, 600,000 new Heat Pump installations are projected for Irish homes.

Why Study This Course?

Climate change and biodiversity loss are urgent issues, and heat pumps, like electric vehicles, will become the standard for future heating. For plumbers and refrigeration engineers, mastering the design, installation, service, and maintenance of heat pumps is a valuable skill for the future.

This course aligns with the NSAI National Standard for Heat Pumps (S.R. 50-4:2021) and helps students meet part of the criteria for SEAI registration as Heat Pump Installers. Delivered primarily in an Energy Laboratory and Heat Pump Training Facility, it covers installation, commissioning, troubleshooting, maintenance, and servicing.

The course duration accurately reflects the time needed to deliver comprehensive training in these essential skills.



Ollscoil
Teicneolaíochta
an Atlantaigh

Atlantic
Technological
University





Warehouse

Unitherm Heating Systems is your go-to provider for a comprehensive selection of top-tier renewable heating products, all readily available from our strategically located national warehouses. With facilities in both the South and North of the country, we ensure that our extensive inventory is within easy reach, no matter where your project is based.

This nationwide distribution network is designed to reduce delivery times and increase efficiency, allowing us to meet your heating needs swiftly and reliably. Whether you're looking for cutting-edge heat pumps, or other renewable heating solutions, our warehouses are fully stocked to provide you with the right products when you need them most.

At Unitherm, we understand that time is of the essence in every project. Our well-coordinated logistics and expert team work seamlessly to ensure you receive not only fast service but also the technical support you need to make informed decisions. Trust in Unitherm to be your dependable partner in renewable heating, delivering quality solutions across the country with unmatched speed and expertise.

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Locations



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