

HEATING & COOLING SYSTEMS

WALL HUNG BOILERS

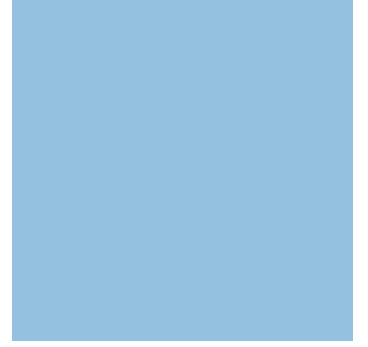
RADIATORS

WATER HEATERS

CENTRAL HEATING SYSTEMS

AIR CONDITIONERS





| | |
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All information correct at the of going to print. Due to the constant improvement of products, we reserve the right to alter specifications at any time without prior notice.

Reliable and affordable, Demirdöküm is the leading manufacturer in Turkey.

During more than 60 years of manufacturing experience we've established an enviable reputation in production of cost-efficient, high efficiency equipment that is easy to install and maintain.

We also understand that creating a great product is only half the story and take pride in providing unflagging aftersales support.

Demirdöküm's success in Turkey and many other countries demonstrates a simple yet decisive fact: We understand our customers' needs.

Background:

Demirdöküm, carrying out its activities in heating, water heating and air conditioning divisions, was established in İstanbul in 1954. Incorporated in 2007 by Vaillant Group -the leader company of the world heating sector - Demirdöküm utilizes the contribution of this synergy both in Domestic and International markets. Demirdöküm is the largest plant under one roof in Europe on Water Heaters, Boilers, Panel Radiator and Solar Systems.

Accreditation:

All our products are fitted with specially selected components and have CE certification, ensuring the highest levels of quality and reliability.

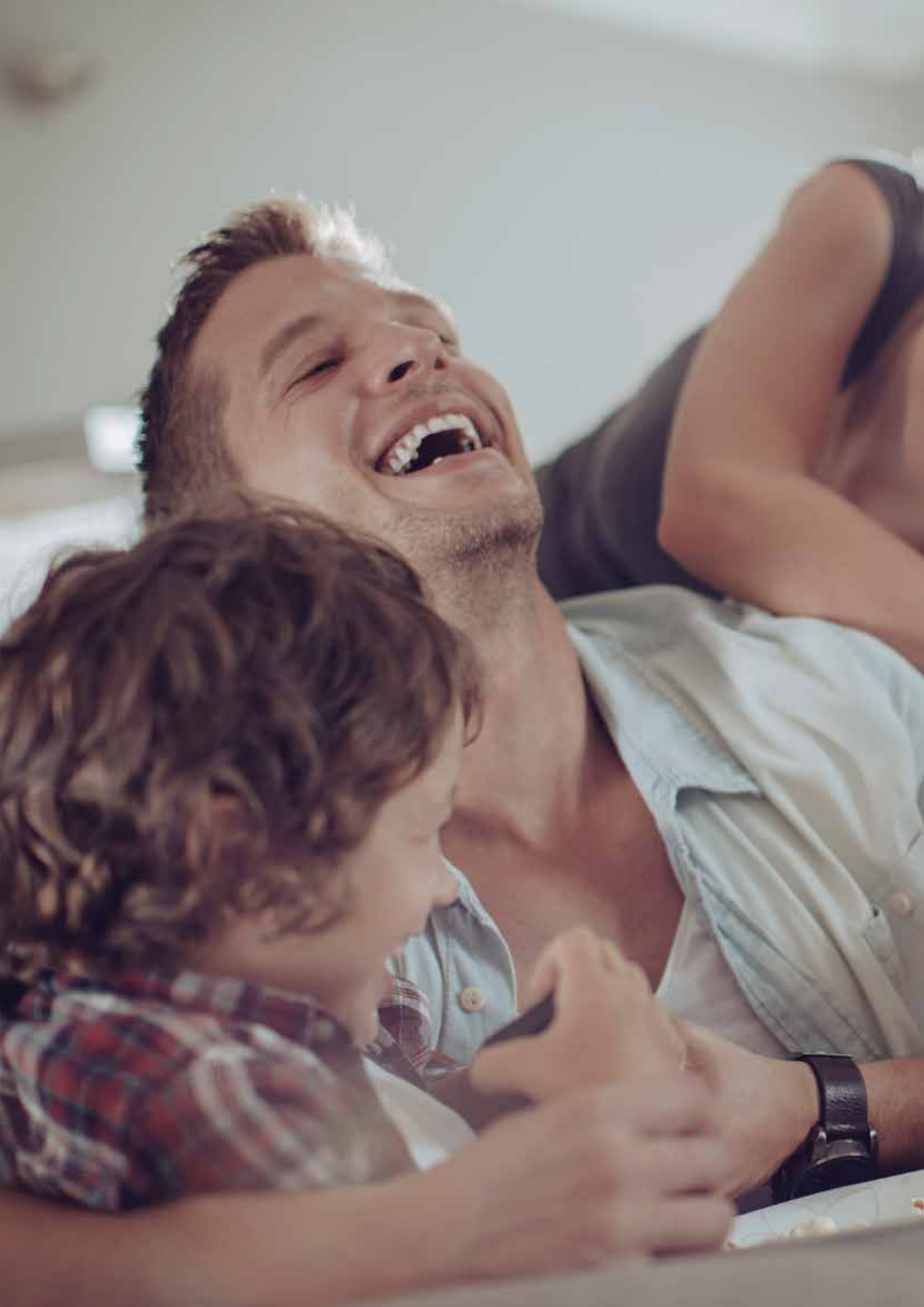
Always the 'FIRST'

Demirdöküm has always been the most innovative in its field. Until now, many "firsts" have been introduced to Turkish market by Demirdöküm, including the first cast iron radiator in 1958, the first gas water heater in 1963, the first panel radiator in 1979 and the first wall hung boiler in 1990.

Today, thanks to its wide range of products, Demirdöküm continues to offer complete heating solutions to every need.

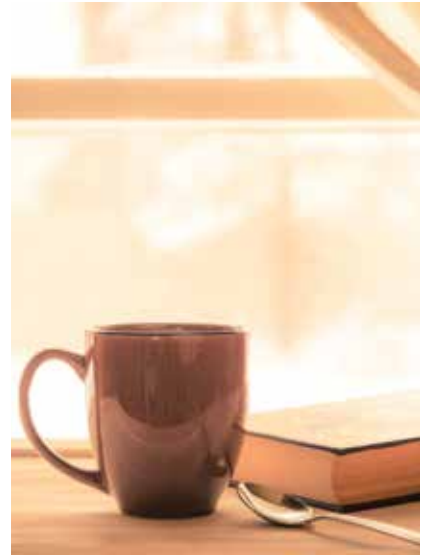
R&D Center

Certified as the 140th R&D Center in 2012, Demirdöküm meets the developing and changing consumer needs to the highest level. With the implementation of strategic use of environmental, renewable and alternative energy resources, Demirdöküm strives for sustainable success.





**WALL HUNG
BOILERS**



NITROMIX

High Efficiency Condensing Boiler

The Nitromix condensing gas boiler is 4 star rated and available up to 35 kW output. Demirdöküm's flagship boiler is manufactured to exacting standards and contains only top quality components, including a unique stainless steel alloy combination heat exchanger. The Nitromix boiler combines a stylish appearance with high output performance and flow rates.

- > **24 kW COMBINATION**
- > **28 kW COMBINATION**
- > **35 kW COMBINATION**

- > Energy efficiency of 109 % *
- > Awarded the Good Design Award 2012
- > Impressive DHW flow rate of 15 l / min $\Delta T 30^{\circ}C$
- > Stainless Steel heat exchanger ensures great performance and exceptional reliability
- > Full digital control panel with soft touch buttons
- > LPG compatible without conversion kit
- > Available up to 210 kW as cascade system
- > High efficiency pump available



| | | | | |
|-----------|--------------------|-------------------|-----------------|----------------|
| FEATURES: | MAXIMUM EFFICIENCY | FLOW RATE - LITRE | OUTPUT - kW | CONTROL SYSTEM |
| | 109% | 15 | 23-27-35 | DIGITAL |

| | UNIT | NITROMIX P24 | NITROMIX P28 | NITROMIX P35 |
|--|----------|---------------------|---------------------|---------------------|
| Product type | | Condensing | Condensing | Condensing |
| Efficiency (50 - 30°C)* | | 108 **** | 108 **** | 109 **** |
| Heat output max. | kW (CH) | 23 | 27 | 35 |
| Heat output max. | kW (DHW) | 23 | 27 | 35 |
| DHW heat output flow($\Delta T 30^{\circ}C$) | lt / min | 11 | 12.5 | 15 |
| Fuel type | | NG / LPG | NG / LPG | NG / LPG |
| Heat exchanger | | Stainless steel | Stainless steel | Stainless steel |
| Electric protection degree | | IPX4D | IPX4D | IPX4D |
| Power supply | | 220 - 240 V / 50 Hz | 220 - 240 V / 50 Hz | 220 - 240 V / 50 Hz |
| PCB | | Self diagnostic | Self diagnostic | Self diagnostic |
| Control system | | Digital | Digital | Digital |
| Size - Height | mm | 740 | 740 | 740 |
| Size - Width | mm | 425 | 425 | 425 |
| Size - Depth | mm | 310 | 340 | 340 |
| Net weight | kg | 32.3 | 34 | 35.5 |
| Expansion tank | lt | 7 | 7 | 8 |
| Color | | White | White | White |
| Certificated flue options | | See page 48 | See page 48 | See page 48 |
| * Based on EN 483 / (92 / 42 / EEC) | | | | |

NITRON CONDENSE

High Efficiency Condensing Boiler

The 4-star-rated Nitron Condense gas boiler offers 24 kW and 28 kW capacity options. It successfully combines an elegant design with space-saving compact dimensions.

- > 24 kW COMBINATION
- > 28 kW COMBINATION

-
- > Energy efficiency of 103% *
 - > Eco Comfort Mode
 - > Easy to check water pressure via digital and analog manometer
 - > High comfort of domestic hot water with plate type heat exchanger
 - > Smart heating system with inlet & outlet sensor connections
 - > Easy installation and maintenance
 - > High efficiency pump available



FEATURES:

MAXIMUM EFFICIENCY
103%

FLOW RATE - LITRE
11.7

OUTPUT - kW
23-27

CONTROL SYSTEM
DIGITAL

| | UNIT | NITRON CONDENSE P24 | NITRON CONDENSE P28 |
|--|----------|---------------------|---------------------|
| Product type | | Condensing | Condensing |
| Efficiency (50 - 30)* | | 103 **** | 103 **** |
| Heat output max. | kW (CH) | 23 | 27 |
| Heat output max. | kW (DHW) | 23 | 27 |
| DHW heat output flow ($\Delta T 30^{\circ}\text{C}$) | lt / min | 11.6 | 11.7 |
| Fuel type | | NG / LPG | NG / LPG |
| Heat exchanger | | Copper | Copper |
| Electric protection degree | | IPX4D | IPX4D |
| Power supply | | 230 V - 50 Hz | 230 V - 50 Hz |
| PCB | | Self diagnostic | Self diagnostic |
| Control system | | Digital | Digital |
| Size - Height | mm | 702 | 702 |
| Size - Width | mm | 405 | 430 |
| Size - Depth | mm | 330 | 330 |
| Net weight | kg | 37 | 38 |
| Expansion tank | lt | 7 | 7 |
| Color | | White | White |
| Certificated flue options | | See page 48 | See page 48 |
| * Based on EN 483 / (92 / 42 / EEC) | | | |

ATRON

High Efficiency Conventional Boiler

The Atron range boiler is surprisingly small and weights from just 30kg. Despite its conveniently neat frame it provides a substantial DHW output and has one of the highest flow rates available. The Atron range offers exceptional efficiency, performance and value for money.

> **24 kW COMBINATION**

> **28 kW COMBINATION**

- > Energy efficiency of 93% *
- > Awarded the Good Design award 2012
- > “Smart Heating System” lowers heating bills
- > Unique and compact heat exchanger developed by Demirdöküm
- > LPG compatible
- > Eco and Comfort modes
- > User friendly controls with clear, easy to read display



| | | | | |
|-----------|--------------------|-------------------|----------------|----------------|
| FEATURES: | MAXIMUM EFFICIENCY | FLOW RATE - LITRE | OUTPUT - kW | CONTROL SYSTEM |
| | 93% | 12.7 | 23.5-27 | DIGITAL |

| | UNIT | ATRON H24 | ATRON H28 |
|-------------------------------------|----------|---------------------|---------------------|
| Product type | | Non - condense | Non - condense |
| Efficiency* | | 93 *** | 93 *** |
| Heat output max. | kW (CH) | 23.5 | 27 |
| Heat output max. | kW (DHW) | 23.5 | 27 |
| DWH heat output flow (ΔT30°C) | lt / min | 10.7 | 12.7 |
| Fuel type | | NG / LPG | NG / LPG |
| Heat exchanger | | Copper | Copper |
| Electric protection degree | | IPX4D | IPX4D |
| Power supply | | 220 - 240 V / 50 Hz | 220 - 240 V / 50 Hz |
| PCB | | Self diagnostic | Self diagnostic |
| Control system | | Digital | Digital |
| Size - Height | mm | 700 | 700 |
| Size - Width | mm | 410 | 444 |
| Size - Depth | mm | 295 | 295 |
| Net weight | kg | 30.5 | 33 |
| Expansion tank | lt | 7 | 7 |
| Color | | White | White |
| Certificated flue options | | See page 48 | See page 48 |
| * Based on EN 483 / (92 / 42 / EEC) | | | |

NITRON PLUS

High Efficiency Conventional Boiler

The Nitron Plus conventional boiler is available in 24 kW and 30 kW capacities with 3-star efficiency. With its double micro processor and high tech PCB, Nitron Plus combines safer and smarter comfort with easy to use controls.

- > **24 kW COMBINATION**
- > **30 kW COMBINATION**

-
- > 3-star efficiency class*
 - > Multifunctional LCD screen
 - > Economic comfort with Digital Program Timer
 - > Compatible with Solar Systems
 - > High efficiency and silent operation with automatic fan modulation
 - > Ergonomic usage with soft touch buttons



FEATURES:

| | | | |
|--------------------|-------------------|------------------|----------------|
| MAXIMUM EFFICIENCY | FLOW RATE - LITRE | OUTPUT - kW | CONTROL SYSTEM |
| 93% | 11.5 | 23.5-30.3 | DIGITAL |

| | UNIT | NITRON PLUS H24 | NITRON PLUS H28 |
|-------------------------------------|----------|-------------------|-------------------|
| Product type | | Non - condense | Non - condense |
| Efficiency* | | 93 *** | 93 *** |
| Heat output max. | kW (CH) | 23.5 | 30.3 |
| Heat output max. | kW (DHW) | 23.5 | 30.3 |
| DWH heat output flow (ΔT30°C) | lt / min | 9.5 | 11.5 |
| Fuel type | | NG / LPG | NG / LPG |
| Heat exchanger | | Copper | Copper |
| Electric protection degree | | IPX4D | IPX4D |
| Power supply | | 220 - 240 (50 hz) | 220 - 240 (50 hz) |
| PCB | | Self Ddiagnostic | Self diagnostic |
| Control system | | Digital | Digital |
| Size - Height | mm | 720 | 720 |
| Size - Width | mm | 405 | 430 |
| Size - Depth | mm | 330 | 330 |
| Net weight | kg | 34 | 35 |
| Expansion tank | lt | 7 | 7 |
| Color | | White | White |
| Certificated flue options | | See page 48 | See page 48 |
| * Based on EN 483 / (92 / 42 / EEC) | | | |

NEPTO

High Efficiency Conventional Boiler

Our smallest combi boiler, Nepto can be installed in a wide range of locations, including inside of a standard kitchen cupboard. Having 20, 24 and 28 kW output options, Nepto boiler is cost effective and ideal for smaller houses.

- > 20 kW COMBINATION
- > 24 kW COMBINATION
- > 28 kW COMBINATION

-
- > Easy to use interface
 - > Compact dimensions
 - > “Smart Heating System” lowers heating bills
 - > Eco and Comfort modes



| | | | | |
|-----------|--------------------|-------------------|-------------|----------------|
| FEATURES: | MAXIMUM EFFICIENCY | FLOW RATE - LITRE | OUTPUT - kW | CONTROL SYSTEM |
| | 92.2% | 12.7 | 20-23.5 | DIGITAL |

| | UNIT | NEPTO HK T 220 | NEPTO HK T 224 | NEPTO HK T 228 |
|-------------------------------------|----------|---------------------|---------------------|---------------------|
| Product type | | Non - condense | Non - condense | Standard |
| Efficiency* | | 92.2 ** | 92.2 ** | 92.2 ** |
| Heat output max. | kW (CH) | 20 | 23.5 | 27 |
| Heat output max. | kW (DHW) | 20 | 23.5 | 27 |
| DWH heat output flow (ΔT30°C) | lt / min | 10 | 10 | 12.7 |
| Fuel type | | NG / LPG | NG / LPG | NG / LPG |
| Heat exchanger | | Copper | Copper | Copper |
| Electric protection degree | | IPX4D | IPX4D | IPX4D |
| Power supply | | 220 - 240 V / 50 Hz | 220 - 240 V / 50 Hz | 220 - 240 V / 50 Hz |
| PCB | | Self diagnostic | Self diagnostic | Self diagnostic |
| Control system | | Digital | Digital | Digital |
| Size - Height | | 700 | 700 | 700 |
| Size - Width | mm | 410 | 410 | 444 |
| Size - Depth | mm | 280 | 280 | 280 |
| Net weight | mm | 29.5 | 29.5 | 32 |
| Expansion tank | kg | 7 | 7 | 7 |
| Color | lt | White | White | White |
| Certificated flue options | | See page 48 | See page 48 | See page 48 |
| * Based on EN 483 / (92 / 42 / EEC) | | | | |

ADONIS

High Efficiency Conventional Boiler

Our open flue wall hung boiler has just got better. Adonis range boilers provide value for money and space saving dimensions.

> **24 kW COMBINATION**

- > Open flue
- > Digital temperature display
- > Industry recognized components



| | | | | |
|-----------|--------------------|-------------------|-------------|----------------|
| FEATURES: | MAXIMUM EFFICIENCY | FLOW RATE - LITRE | OUTPUT - kW | CONTROL SYSTEM |
| | 91.1% | 10.5 | 23.3 | DIGITAL |

| | UNIT | ADONIS B 24 |
|-------------------------------------|----------|-----------------|
| Product dype | | Non - condense |
| Efficiency* | | 91.1** |
| Heat output max. | kW (CH) | 23.3 |
| Heat output max. | kW (DHW) | 23.3 |
| DWH heat output flow (ΔT30°C) | lt / min | 10.5 |
| Fuel type | | NG / LPG |
| Heat exchanger | | Copper |
| Electric protection degree | | IPX4D |
| Power supply | | 230 V / 50 Hz |
| PCB | | Self diagnostic |
| Control system | | Digital |
| Size - Height | mm | 720 |
| Size - Width | mm | 405 |
| Size - Depth | mm | 330 |
| Net weight | kg | 30.5 |
| Expansion tank | lt | 7 |
| Color | | White |
| Certificated flue options | | See page 48 |
| * Based on EN 483 / (92 / 42 / EEC) | | |

MAXI CONDENSE

High Capacity Condensing Boiler

Demirdöküm Maxicondense wall hung type condensing devices provide low energy consumption with A class energy components.

> **50kW COMBINATION**

> **100kW COMBINATION**

- > 4 star energy efficiency of 108,7%*
- > Operate simultaneously by connection on a station (via master device)
- > Cascade option up to 3 MW
- > Control up to 60 units within cascade system with an electronic control unit
- > Low energy consumption with A class energy components
- > Space saving ergonomic size
- > Remote control



FEATURES:

| | | | |
|--------------------|----------------------------|------------------|----------------|
| MAXIMUM EFFICIENCY | MAXIMUM OPERATING PRESSURE | OUTPUT - kW | CONTROL SYSTEM |
| 108.7% | 6 BAR | 48.5-96.8 | DIGITAL |

| | UNIT | HK 50 M | HK 100 M | HK 100 S |
|--------------------------------------|----------|---------------|---------------|---------------|
| Capacity | | | | |
| Heat power (50°C / 30 °C) | kW | 48.5 | 96.8 | 96.8 |
| Heat power (50°C / 30 °C) | Mcal / h | 41.71 | 83.25 | 83.25 |
| Heat power (80°C / 60 °C) | kW | 44.2 | 88.3 | 88.3 |
| Thermal load (Min. - Max.) | kW | 16.3 - 50 | 16.3 - 100 | 16.3 - 100 |
| Efficiency | | | | |
| Efficiency (%30 load - 50°C / 30 °C) | % | 108.7 | 108.7 | 108.7 |
| Efficiency rating | | 4 Star | 4 Star | 4 Star |
| Efficiency (80°C / 60 °C) | % | 98.2 | 98.2 | 98.2 |
| Efficiency (50°C / 30 °C) | % | 107.7 | 107.7 | 107.7 |
| Dimensions | | | | |
| Height | mm | 1000 | 1000 | 1000 |
| Width | mm | 600 | 600 | 600 |
| Depth | mm | 380 | 380 | 380 |
| Weight | kg | 60 | 90 | 90 |
| Electrical features | | | | |
| Power supply | | 230 V ~ 50 Hz | 230 V ~ 50 Hz | 230 V ~ 50 Hz |
| Max. electric consumption | W | 169 | 333 | 333 |
| Electric protection class | IP | X0D | X0D | X0D |

* Based on EN 483 / (92 / 42 / EEC)

NITROMIX CS

High Capacity Condensing Boiler

Nitromix CS condensing gas boilers are available in high capacities up to 210 kW by using 35 kW units as cascade. Long-lasting stainless steel premix heat exchanger provides high efficiency with lower gas consumption.

> 35 kW COMBINATION

- > Smart programming with Examaster control unit
- > 4 star - 109% efficiency*
- > Smart controls
- > High efficiency with lower gas consumption
- > Stainless Steel heat exchanger ensures great performance and exceptional reliability



FEATURES:

| | | | |
|--------------------|----------------------------|-------------|----------------|
| MAXIMUM EFFICIENCY | MAXIMUM OPERATING PRESSURE | OUTPUT - kW | CONTROL SYSTEM |
| 109% | 3 BAR | 37 | DIGITAL |

| | UNIT | NITROMIX CS |
|--------------------------------------|----------|---------------|
| Capacity | | |
| Heat power (50°C / 30 °C) | kW | 37 |
| Heat power (50°C / 30 °C) | Mcal / h | 31.750 |
| Heat power (80°C / 60 °C) | kW | 33.6 |
| Thermal load (Min. - Max.) | kW | 6.7 - 34.5 |
| Efficiency | | |
| Efficiency (%30 load - 50°C / 30 °C) | % | 109 |
| Efficiency rating | | 4 Star |
| Efficiency (80°C / 60 °C) | % | 97.5 |
| Efficiency (50°C / 30 °C) | % | 107 |
| Dimensions | | |
| Height | mm | 740 |
| Width | mm | 425 |
| Depth | mm | 340 |
| Weight | kg | 36.5 |
| Electrical features | | |
| Power supply | | 230 V ~ 50 Hz |
| Max. electric consumption | W | 150 |
| Electric protection class | IP | X4D |
| * Based on EN 483 / (92 / 42 / EEC) | | |



RADIATORS



PANEL PLUS



FEATURES:

| SIZES | PITCH SIZE | TYPES | COLOR | PRESSURE TESTED TO |
|-------|------------------|-------|----------|--------------------|
| 1000+ | 25 _{MM} | 4 | RAL 9010 | 13 _{BAR} |

Representing the ultimate combination of space-saving efficiency and simple, classic design, our Plus Radiators lend a quite elegance to any style of décor.

- > Comprehensive choice with over 1000 sizes and outputs
- > High heat output with 25mm pitch size
- > High quality white enamel finish, RAL 9010
- > Cataphoresis painting process
- > Pressure tested to 13 bar, maximum working pressure 10 bar
- > Factory fitted top grilles and side panels
- > Maximum operating temperature 120°C
- > BS EN 442, DIN tested and certified
- > Installation package includes brackets, vents, bolts and wall plugs
- > Also available as 6 connection - ventill type

COMPACT PANEL



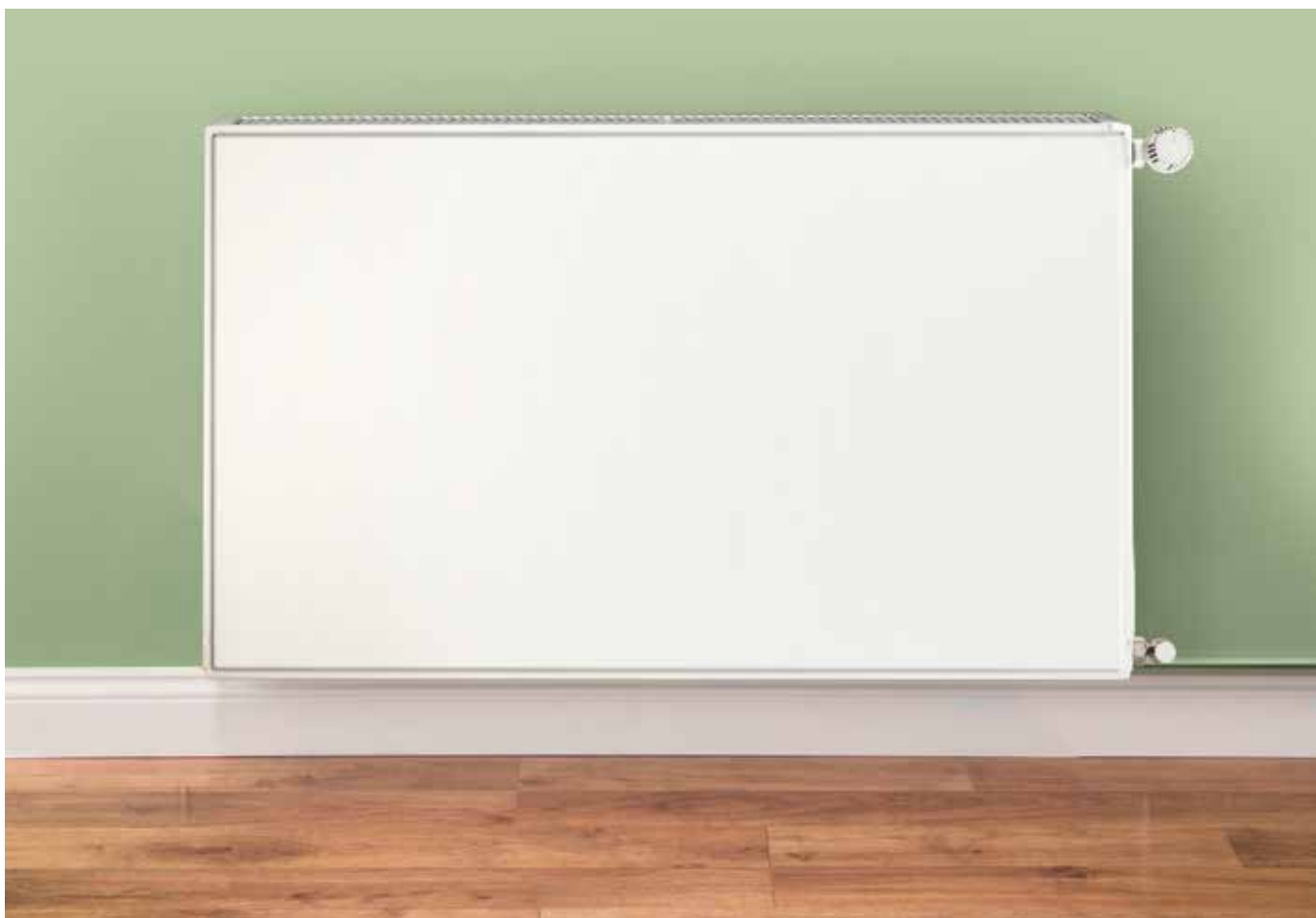
FEATURES:

| SIZES | PITCH SIZE | TYPES | COLOR | PRESSURE TESTED TO |
|-------|------------------|-------|----------|--------------------|
| 1000+ | 33 _{MM} | 4 | RAL 9010 | 13 _{BAR} |

Available with over 1000 size and output specifications, Compact Radiators are manufactured from high quality sheet steel with profiled surfaces and welded-on convector fins to optimize heat emission.

- > Comprehensive choice with over 1000 sizes and outputs
- > High quality white enamel finish, RAL 9010
- > Cathaphoresis painting process
- > Pressure tested to 13 bar, maximum working pressure 10 bar
- > Factory fitted top grilles and side panels
- > Maximum operating temperature 120°C
- > BS EN 442, DIN tested and certified
- > Installation package includes brackets, vents, bolts and wall plugs
- > Also available as 6 connection - ventil type

MONZA



FEATURES:

| SIZES | PITCH SIZE | COLOR | PRESSURE TESTED TO |
|-------|---------------------|----------|--------------------|
| 100+ | 25-33 _{MM} | RAL 9010 | 13 BAR |

With a slim-line design and contemporary styling, the Monza Flat Panel Radiator is perfect for any new build or refurbishment. It's an economical and efficient performer and is supplied ready for installation.

- > Finished in white, RAL 9010
- > Pressure tested to 13 bar, maximum working pressure 10 bar
- > Installation package includes brackets, vents, bolts and wall plugs
- > Flat panel radiator available as Compact and Ventil type options

NOSTALGIA



FEATURES:

| SIZES | COLOR | PRESSURE TESTED TO |
|-------|----------------------|--------------------|
| 100+ | RAL 9010 RAL 7022 | 10 BAR |

Demirdöküm Nostalgia series cast iron radiators create a nostalgic ambience with their different design in the space they are used.

- > Nostalgic view
- > High thermal energy
- > Up to 14 options from 4 to 28 sections
- > Easy mounting
- > High corrosion resistance
- > Ready to fit groups with feet on the first and last section of the radiator

RIDEM, COLUMN, PERCOLUMN



FEATURES:

SIZES

100+

COLOR

RAL
9010

PRESSURE
TESTED TO

10 BAR

Cast iron radiators provide maximum thermal power with their design. Maximum efficiency is provided by achieving long lasting temperature thanks to casting technology.

- > Multiple uses
- > High efficiency
- > Compact design
- > Easy to clean
- > Long life
- > Produced in accordance with DIN EN 442
- > Homogenous heating by convection & radiation
- > High corrosion resistance

TOWEL WARMERS



FEATURES:

| SIZES | TYPES | FINISHES | PRESSURE TESTED TO |
|-------|-------|----------|--------------------|
| 200+ | 7 | 3 | 10 BAR |

Our Towel Warmer range includes both curved Marmaris and straight Bodrum ladder styles, designed to offer a contemporary or classic look to complement any bathroom, en-suite or cloakroom, with side and middle connection options.

- > Range of attractive curved and straight ladder style towel warmers
- > Classic options for traditional bathroom settings
- > Extensive choice of sizes
- > Pressure tested to 10 bar, maximum working pressure 7 bar
- > Installation package includes brackets, vents, bolts and wall plugs
- > BS EN 442 tested and certified

RADIATOR VALVES

RADIATOR VALVES

Demirdöküm radiator valves have an aesthetic outlook with nickel coated brass material and modern design. Our valves are long lasting thanks to their quality material. Demirdöküm valves used with all radiators due to its standard connection dimensions and with angle and straight options.

.....

THERMOSTATIC VALVES

Demirdöküm thermostatic valves can be used for years thanks to their quality material and special design. Our thermostatic radiator valves can be adjusted to 5 different degrees between 8-28 degrees. Demirdöküm thermostatic radiator valve head provides easu assembling with special click-fit system.

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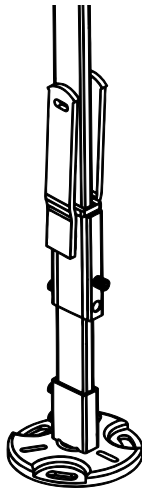
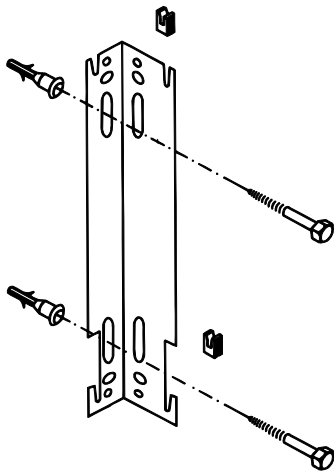
ACCESSORIES

Below is a list of the other accessories available:

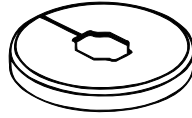
- > Return valves
- > Automatic air bleed valve
- > Thermostatic regulator
- > Universal floor bracket
- > Cast Iron feet



RADIATOR ACCESSORIES



Foot Cover



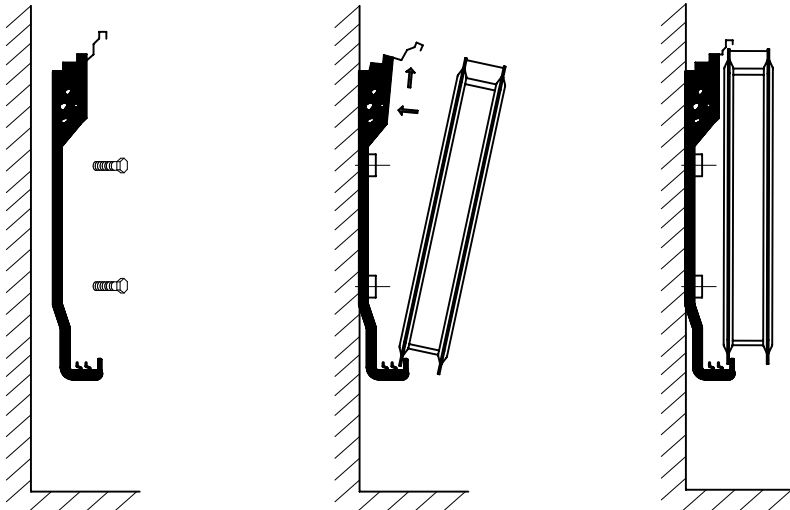
Bracket Cover



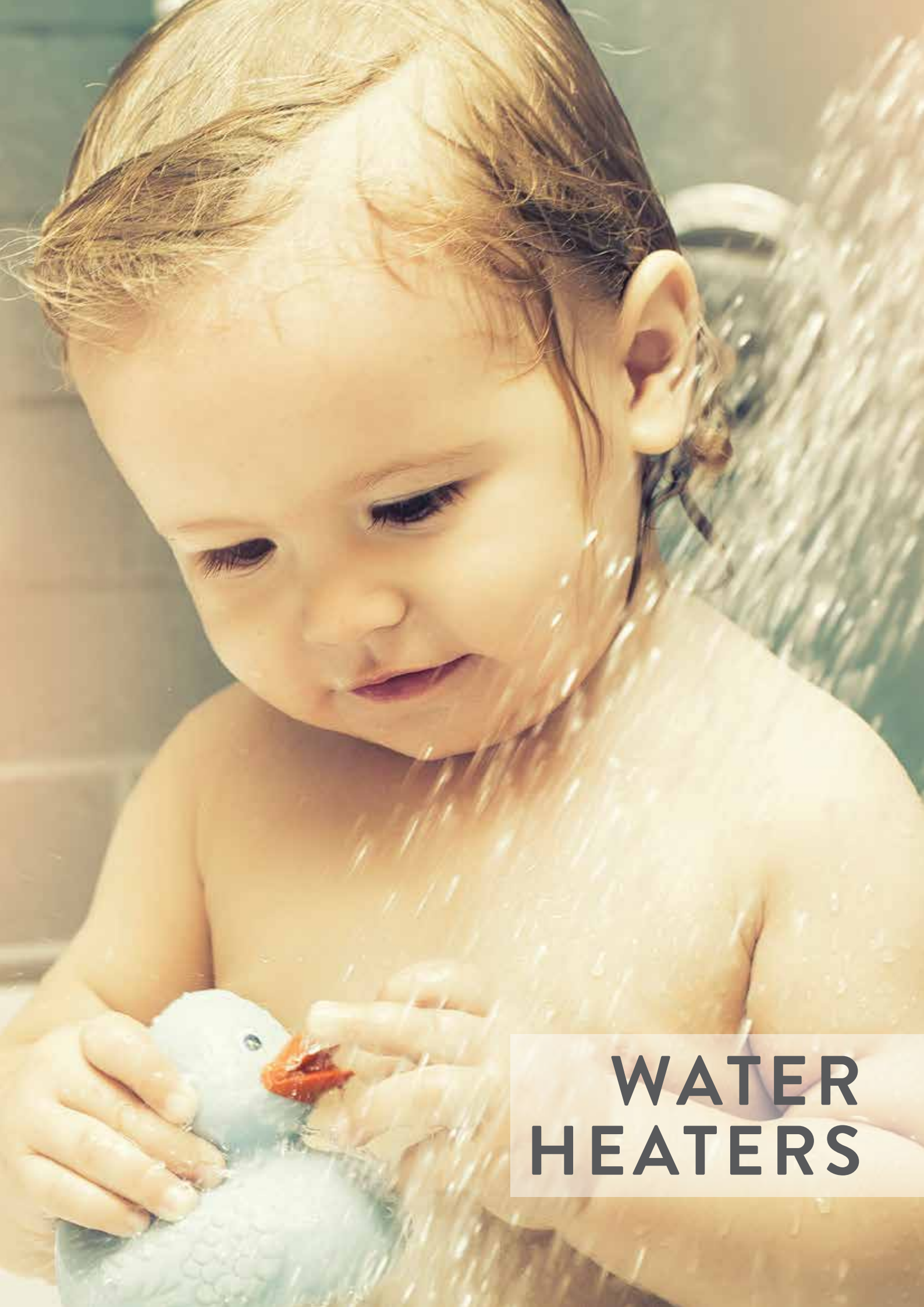
| Wall Brackets (each) | |
|----------------------|-----------|
| Product | Height mm |
| XB430 | 300/400 |
| XB500 | 500 |
| XB600 | 600 |
| XB750 | 750 |
| XB900 | 900 |

| Universal Floor Brackets | |
|--------------------------|-------|
| Product | |
| XB430 | |
| Sundries | |
| Air Key | XK |
| Air Vent | XV |
| Plug | XP |
| Touch up Paint | XPT10 |

Console with spring



| Console with spring | |
|---------------------|-----------|
| Product | Height mm |
| 3002196612 | 400 |
| 3002196613 | 500 |
| 3002196614 | 600 |
| 3002196616 | 900 |



WATER HEATERS



DT4 PREMIUM

DT4 Premium Electrical Storage Water Heaters combine style with smart performance. It provides 3 different capacity options with Turbo, Smart & Eco mode options.

- > Optimal heating based on usage habits with Smart Mode
- > Up to 70% faster water heating with Turbo Mode
- > Titanium enamelled storage
- > Magnesium Anode
- > Frost Protection
- > Eco Mode



FEATURES:

CAPACITIES

3

MODE OPTIONS

3

HEATING POWER

1800+1200W

OPERATING PRESSURE

10 BAR

| | DT4 PREMIUM | | | |
|------------------------------------|-------------|------------------------|------------------------|------------------------|
| Capacity | lt | 50 | 65 | 80 |
| Heating power | W | 1800 + 1200 | 1800 + 1200 | 1800 + 1200 |
| System voltage / frequency | V AC / Hz | 230 - 50 | 230 - 50 | 230 - 50 |
| Water temperature control degree | °C | 10 - 75 | 10 - 75 | 10 - 75 |
| Water temperature control | | Digital (LCD) | Digital (LCD) | Digital (LCD) |
| Water inlet / outlet pipe diameter | | 1/2" | 1/2" | 1/2" |
| Max. operating pressure | Bar | 10 | 10 | 10 |
| Heat insulation | | Monoblock polyurethane | Monoblock polyurethane | Monoblock polyurethane |
| Hot water display | | Digital (LCD) | Digital (LCD) | Digital (LCD) |
| Electric protection degree | IP | 25 | 25 | 25 |
| Corrosion protection | | Mg Anode / Enamel | Mg Anode / Enamel | Mg Anode / Enamel |
| Size - Height | mm | 560 | 680 | 800 |
| Size - Width | mm | 440 | 440 | 440 |
| Size - Depth | mm | 440 | 440 | 440 |
| Net weight | kg | 17 | 20 | 24 |
| | | | | |
| | | | | |
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DT4 TITANIUM

DT4 Titanium Electrical Storage Water Heaters provide durable and economic hot water with efficient heat insulation. It offers 3 different capacities with Basic and Digital model options.

- > LCD display (DT4 Titanium Digital)
- > Up to 70% faster water heating with Turbo Mode (DT4 Titanium Digital)
- > Titanium enamelled storage
- > Magnesium Anode
- > Freezing protection
- > Eco Mode



FEATURES:

CAPACITIES
3

TYPES
2

HEATING POWER
1800W-1800+1200W

OPERATING PRESSURE
10 BAR

| | | DT4 TITANIUM BASIC / DIGITAL | | | |
|------------------------------------|-----------|--------------------------------|--------------------------------|--------------------------------|--|
| | | 50 | 65 | 80 | |
| Capacity | lt | 50 | 65 | 80 | |
| Heating power | W | 1800 / 1800 + 1200 | 1800 W / 1800 + 1200 W | 1800 / 1800 + 1200 | |
| System voltage / frequency | V AC / Hz | 230 / 50 | 230 / 50 | 2230 / 50 | |
| Water temperature control degree | °C | 25 - 75 / 10 - 75 | 25 - 75 / 10 - 75 | 25 - 75 / 10 - 75 | |
| Water temperature control | | Standard (LED) / Digital (LCD) | Standard (LED) / Digital (LCD) | Standard (LED) / Digital (LCD) | |
| Water inlet / outlet pipe diameter | | 1/2" | 1/2" | 1/2" | |
| Max operating pressure | Bar | 10 | 10 | 10 | |
| Heat insulation | | Monoblock polyurethane | Monoblock polyurethane | Monoblock polyurethane | |
| Hot water display | | Standard (LED) / Digital (LCD) | Standard (LED) / Digital (LCD) | Standard (LED) / Digital (LCD) | |
| Electric protection degree | IP | 25 | IP 25 | IP 25 | |
| Corrosion protection | | Mg Anode / Enamel | Mg Anode / Enamel | Mg Anode / Enamel | |
| Size - Height | mm | 560 | 680 | 800 | |
| Size - Width | mm | 440 | 440 | 440 | |
| Size - Depth | mm | 440 | 440 | 440 | |
| Net weight | kg | 17 | 20 | 24 | |
| | | | | | |
| | | | | | |
| | | | | | |

SAPPHIRE

Sapphire Electrical Storage Water Heaters provide 4 different capacity options (50 lt, 65 lt, 80 lt, 100lt).

- > Mechanical Control with Lever Thermostat
- > 1800 W Bended Immersion Heating Element
- > Enameled Inner Tank
- > Polyurethane Insulation
- > Corrosion protection with Mg Anode
- > Freezing protection
- > Vertical Installation
- > Cylindrical Shape



FEATURES:

| | | | |
|------------|---------------|--------------------|---------------------|
| CAPACITIES | HEATING POWER | OPERATING PRESSURE | TEMPERATURE CONTROL |
| 4 | 1800W | 6 BAR | MECHANICAL |

| | | DT4 CYLINDRICAL | | | | |
|-------------------------------------|-----------|------------------------|------------------------|------------------------|------------------------|--|
| | | 50 | 65 | 80 | 100 | |
| Capacity | lt | 50 | 65 | 80 | 100 | |
| Heating power | W | 1800 W | 1800 W | 1800 W | 1800 W | |
| Rated voltage | V AC / Hz | 230 / 50 | 230 / 50 | 230 / 50 | 230 / 50 | |
| Adjustable water temperature degree | °C | 10 – 75 | 10 – 75 | 10 – 75 | 10 – 75 | |
| Temperature control | | Mechanical thermostat | Mechanical thermostat | Mechanical thermostat | Mechanical thermostat | |
| Inlet / outlet pipe diameter | | 1/2" | 1/2" | 1/2" | 1/2" | |
| Max. operating pressure | Bar | 10 | 10 | 10 | 10 | |
| Healt insulation | | Monoblock polyurethane | Monoblock polyurethane | Monoblock polyurethane | Monoblock polyurethane | |
| Electric protection class | | Water splashing, IP X3 | Water splashing, IP X3 | Water splashing, IP X3 | Water splashing, IP X3 | |
| Corrosion protection | | Enamel / Mg Anode | Enamel / Mg Anode | Enamel / Mg Anode | Enamel / Mg Anode | |
| Height | mm | 588 | 713 | 838 | 1005 | |
| Width | mm | 460 | 460 | 460 | 460 | |
| Depth | mm | 490 | 490 | 490 | 490 | |
| Net weight | kg | 17 | 19 | 24 | 28 | |
| Gross weight | kg | 21 | 24 | 28 | 32 | |
| | | | | | | |
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FAN FLUE

Demirdöküm Fan Flue Gas Water Heater has an uncluttered, contemporary look and compact design. It offers a heat output of 20 kW and 24 kW.

- > Energy efficiency up to 86%
- > Water flow rate of 11&14 l/min
- > Digital temperature display
- > Simple installation
- > Frost protection
- > 6 different safety systems
- > Full automatic ignition system



FEATURES:

| | | | |
|--------------------|--------------|----------------|---------------|
| MAXIMUM EFFICIENCY | OUTPUT - L/m | SAFETY SYSTEMS | GAS SUPPLY |
| 86% | 11-14 | 6 | NG-LPG |

| | UNIT | C 275 F | C 350 F |
|-----------------------------------|-----------------------|------------|----------|
| Product type | | Fan flue | Fan flue |
| Rated heat power | kW - kcal / min | 19.2 (275) | 24 (345) |
| Rated heat load (H ₂) | kW - kcal / min | 22.9 (328) | 28 (402) |
| Required gas supply | | | |
| Natural gas | m ³ / hour | 2 | 3 |
| LPG | m ³ / hour | 1.7 | 2 |
| Water flow rate | l / min | 2.7 - 11 | 2.7 - 14 |
| Min. water pressure | Bar | 0.1 | 0.1 |
| Max. water pressure | Bar | 10 | 10 |
| Cold and hot water connection | | R 1 / 2" | R 1 / 2" |
| Size - Height | mm | 627 | 627 |
| Size - Width | mm | 348 | 348 |
| Size - Depth | mm | 240 | 240 |
| Net weight | kg | 18 | 19.3 |
| | | | |
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| | | | |

OPEN FLUE

Demirdöküm open flue gas water heaters combine aesthetic design with compact dimensions. The range offers a wide range of capacity options.

- > Aesthetic design with minimum dimensions
- > High efficiency
- > Compact design
- > Three types of ignition (piezo, electronic, pilotless)
- > 7 different safety systems
- > Dry and Wet type combustion chamber options



FEATURES:

| | | | |
|--------------------|--------------------------|----------------|---------------|
| MAXIMUM EFFICIENCY | OUTPUT - L/m | SAFETY SYSTEMS | GAS SUPPLY |
| 84% | 5-6-10 -11-14 | 7 | NG-LPG |

| | UNIT | C 125 B | C 150 S/SE | SC 250 S | C 275 S/SE/SEI/SH | C 350 S/SE/SEI/SH |
|-------------------------------|-----------------------|------------------|------------------|------------------|-------------------|-------------------|
| Product type | | Open flue | Open flue | Open flue | Open flue | Open flue |
| Rated heat power | kW - kcal / min | 8.7 (125) | 10.4 (150) | 17.4 (250) | 19.2 (275) | 23.2 (332.5) |
| Rated heat load (H) | kW - kcal / min | 10.4 (150) | 12.4 (178) | 20.9 (300) | 22.7 (325) | 27.5 (394) |
| Required gas supply | | | | | | |
| Natural gas | m ³ / hour | 1 | 1.3 | 2 | 2 | 3 |
| LPG | m ³ / hour | 0.8 | 0.8 | 1.7 | 1.7 | 2 |
| Water flow rate | lt / min | 2.7 - 5 | 2.7 - 10 | 2.7 - 10 | 2.7 - 11 | 2.7 - 14 |
| Min. water pressure | Bar | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Max. water pressure | Bar | 10 | 10 | 10 | 10 | 10 |
| Cold and hot water connection | | R3 / 4", R1 / 2" | R3 / 4", R1 / 2" | R3 / 4", R1 / 2" | R3 / 4", R1 / 2" | R3 / 4", R1 / 2" |
| Size - Height | mm | 415 | 550 | 575 | 575 | 640 |
| Size - Width | mm | 250 | 250 | 310 | 310 | 380 |
| Size - Depth | mm | 220 | 220 | 220 | 220 | 225 |
| Net weight | kg | 5.7 | 7 | 10.3 | 10.3 | 12.2 |
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SOLAR SYSTEMS

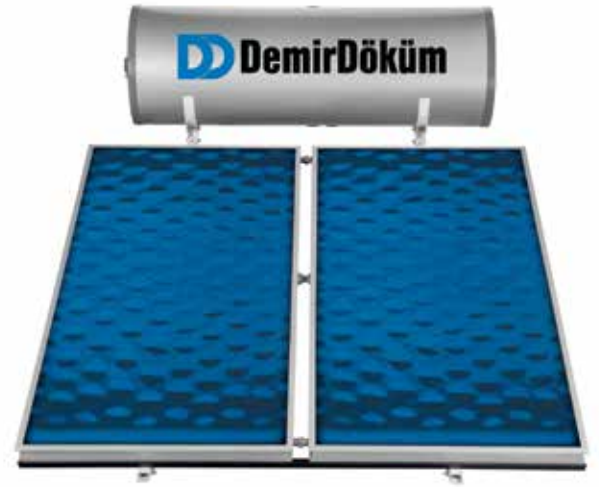


LYKIA

Demirdöküm Lykia provides comfortable hot water usage with roof and terrace installation kit options. Solar collector absorbs 95% of sunray with selective surface copper piped absorber plate.

- > LYKIA 150 SYSTEM
- > LYKIA 200 SYSTEM
- > LYKIA 200 PLUS SYSTEM
- > LYKIA 300 SYSTEM

- > Absorbs 95% of sunlight
- > Copper piped and selective surface collector
- > Resistant to high (10 bar) working pressure
- > High heat insulation with rockwool
- > Durable and healthy enamelled tank
- > 50 mm polyurethane heat insulation
- > Thermosiphon system
- > Ce-Solar Keymark Certified



FEATURES:

TYPE
4

SUNLIGHT
ABSORPTION
95%

STORAGE
MATERIAL
ENAMELLED

INSTALLATION
OPTIONS
2

| | UNIT | LYKIA 150 | LYKIA 200 | LYKIA 200 PLUS | LYKIA 300 |
|-------------------------------------|----------------|------------------------|------------------------|------------------------|------------------------|
| Dimension of storage | mm | Ø 600 x 1000 | Ø 600 x 1200 | Ø 600 x 1200 | Ø 600 x 1800 |
| Weight of storage | kg | 67 | 79 | 79 | 115 |
| Pu thickness of storage | mm | 50 | 50 | 50 | 50 |
| Dimension of collector | mm | 2145 x 1045 x 77.5 | 2145 x 1045 x 77.5 | 2145 x 1045 x 77.5 | 2145 x 1045 x 77.5 |
| Gross area of collector | m ² | 2.25 | 2.25 | 2.25 | 2.25 |
| Net area of collector | m ² | 2.09 | 2.09 | 2.09 | 2.09 |
| Number of collector | pc | 1 | 1 | 2 | 2 |
| Absorber sheet | | Full - Sheet | Full - Sheet | Full - Sheet | Full - Sheet |
| Absorber fin welding type | | Laser | Laser | Laser | Laser |
| Absorber Sheet Material | | Al selective | Al selective | Al selective | Al selective |
| Manifold and riser tubes | mm | Ø 22 X Ø 10 | Ø 22 X Ø 10 | Ø 22 X Ø 10 | Ø 22 X Ø 10 |
| Riser tube distance from each other | mm | 110 | 110 | 110 | 110 |
| Solar glass | | Low iron - Prismatic | Low iron - Prismatic | Low iron - Prismatic | Low iron - Prismatic |
| Solar glass thickness | mm | 4 | 4 | 4 | 4 |
| Insulation | | Wall Glass | Wall Glass | Wall Glass | Wall Glass |
| Insulation thickness | mm | 50 | 50 | 50 | 50 |
| Connections of collector | | Ø 22 | Ø 22 | Ø 22 | Ø 22 |
| Rack set | | As Helioblock 150 / 1 | As Helioblock 200 / 1 | As Helioblock 200 / 2 | As Helioblock 300 / 2 |
| Connection pipe | | Ø 22 Cu insulated pipe | Ø 22 Cu insulated pipe | Ø 22 Cu insulated pipe | Ø 22 Cu insulated pipe |
| Certification | | CE - Solar Keymark | CE - Solar Keymark | CE - Solar Keymark | CE - Solar Keymark |

VTK 24/30

Demirdöküm VTK solar system provides high efficiency in every season with high quality vacuum tube system. It accumulates high levels of energy, even in cloudy or rainy weather.

- > VTK 24
- > VTK 30

- > 24 hour hot water usage
- > Low levels of wind exposure due to the distance between glass tubes
- > High cold resistance
- > 50mm high insulation polyurethane covered, stainless steel storage units
- > Open system



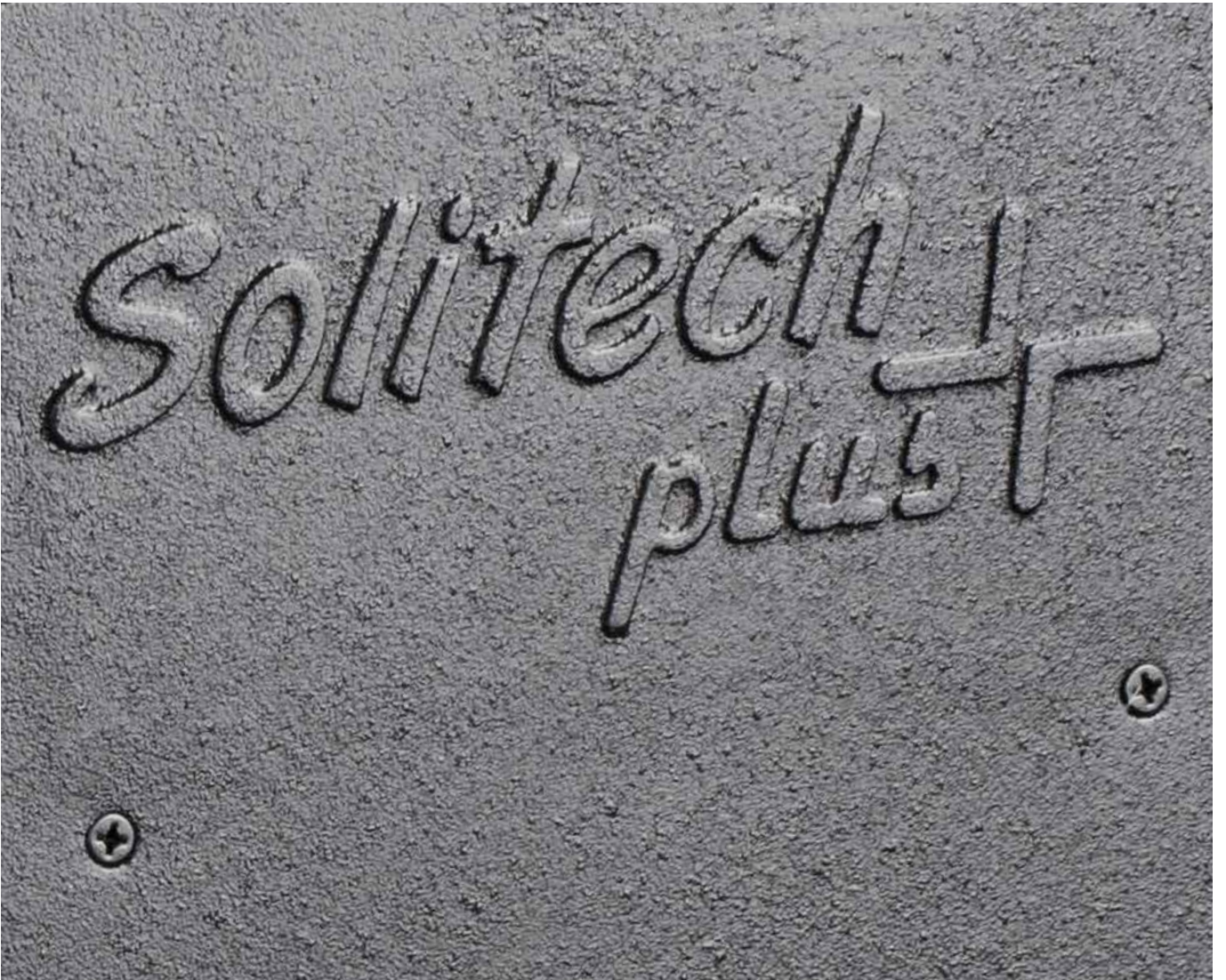
FEATURES:

| | | |
|-----------------|---------------|-------------------------|
| NUMBER OF TUBES | STORAGE UNIT | STORAGE MATERIAL |
| 24-30 | DOUBLE | STAIN-LESS STEEL |

| | UNIT | VTK 24 | VTK 30 |
|-----------------------------------|------|--------------|--------------|
| Hot water capacity | lt | 130 | 160 |
| Cold water capacity | lt | 130 | 160 |
| Hot water storage dimension | mm | Ø 420 x 1760 | Ø 420 x 2180 |
| Cold water storage dimension | mm | Ø 370 x 1760 | Ø 370 x 2180 |
| Tube dimension (Dia x Length) | mm | Ø 47 x 1800 | Ø 47 x 1800 |
| Number of tapacity (Dia x Length) | pc | 24 | 30 |
| Rack set | | PAINTED | PAINTED |
| Certification | | CE - TSE - K | CE - TSE - K |
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CENTRAL HEATING SYSTEMS



SOLITECH PLUS

Wide water transitions and mid-size water traffic connections of Solitech Plus enable the use of the product in both natural circulation and pumped systems.

- > Cast Iron Block
- > Solid Fuel
- > Working with 3 pass principle
- > New secondary air system
- > Ash-shaker
- > Digital control panel
- > Preventing air inlet valve system when the fan stops



FEATURES:

| | | | |
|------------|----------------------------|--------------------|---------------------------|
| CAPACITIES | MAXIMUM OPERATING PRESSURE | NUMBER OF SECTIONS | GAS CIRCULATION PRINCIPLE |
| 6 | 3 BAR | 3 TO 8 | 3 PASS |

| | UNIT | SOLITECH 3 | SOLITECH 4 | SOLITECH 5 | SOLITECH 6 | SOLITECH 7 | SOLITECH 8 |
|---------------------------|------|------------|------------|------------|------------|------------|------------|
| Nr. of sections | | 3 | 4 | 5 | 6 | 7 | 8 |
| Max. heat output for coal | kW | 17.5 | 23.2 | 34.9 | 46.5 | 58.1 | 69.8 |
| Max. heat output for wood | kW | 11 | 15 | 21 | 28 | 36 | 46 |
| Operating pressure | Bar | 3 | 3 | 3 | 3 | 3 | 3 |
| Width | mm | 520 | 520 | 520 | 520 | 520 | 520 |
| Height | mm | 937 | 937 | 937 | 937 | 937 | 937 |
| Length | mm | 395 | 505 | 615 | 725 | 835 | 945 |
| Net weight | kg | 231 | 270 | 308 | 349 | 388 | 429 |
| Water content | | 23 | 30 | 37 | 44 | 51 | 58 |
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DUNATECH

DUNATECH cast iron sectional boiler for solid fuel is constructed on the basis of Multi Secondary Air circulation principle. It is designed for high secondary air, optimum firing, high efficiency and low flue gas emissions.

- > 6 models with heating powers
- > Bigger combustion chamber with compact external design
- > High resistance to corrosion with flexible casting technology
- > Multi Secondary Air System
- > Primary and secondary air control
- > High water efficiencies up to 75%



FEATURES:

CAPACITIES
6

MAXIMUM OPERATING PRESSURE
3 BAR

NUMBER OF SECTIONS
3 TO 8

| | UNIT | DUNATECH 3 | DUNATECH 4 | DUNATECH 5 | DUNATECH 6 | DUNATECH 7 | DUNATECH 8 |
|---------------------------|------|------------|------------|------------|------------|------------|------------|
| Nr. of sections | | 3 | 4 | 5 | 6 | 7 | 8 |
| Max. heat output for coal | kW | 17 | 27 | 34 | 41 | 46 | 51 |
| Max. heat output for wood | kW | 14 | 20 | 27 | 33 | 38 | 42 |
| Operating pressure | Bar | 3 | 3 | 3 | 3 | 3 | 3 |
| Width | mm | 490 | 490 | 490 | 490 | 490 | 490 |
| Height | mm | 950 | 950 | 950 | 950 | 950 | 950 |
| Depth - L | mm | 515 | 615 | 715 | 815 | 915 | 1015 |
| Net weight | kg | 147 | 180 | 211 | 242 | 275 | 307 |
| Water content | | 22 | 28 | 34 | 40 | 46 | 52 |
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QUATECH

Quatech boilers are designed according to the three pass principle which makes lower emissions possible. Quatech boilers are fitted with burner, pump and expansion tank which eliminates the need for additional installation.

- > Compact dimensions
- > Economical with utilization rates of up to 92% (NCV)
- > Three pass construction for lower emissions
- > Easy maintenance and cleaning
- > Capacities up to 46 kcal/h
- > Working with Fuel-oil, natural gas or LPG
- > Optional hot water supply



FEATURES:

CAPACITIES
6

MAXIMUM EFFICIENCY
92%

GAS CIRCULATION PRINCIPLE
3 PASS

MAXIMUM OPERATING PRESSURE
3 BAR

EXPANSION TANK
UP TO 50 LT

| | UNIT | QUATECH 3 | QUATECH 4 | QUATECH 5 | QUATECH 6 | QUATECH 7 | QUATECH 8 |
|----------------------------|------|-------------|-------------|-------------|-------------|--------------|--------------|
| Nr. of sections | | 3 | 4 | 5 | 6 | 7 | 8 |
| Output range | kW | 20 - 27 | 28 - 35 | 36 - 41 | 42 - 53 | 55 - 60 | 64 - 70 |
| Input range | kW | 22 - 29 | 30 - 38 | 40 - 44 | 45 - 57 | 58 - 65 | 68 - 74 |
| Max. operating temperature | °C | 100 | 100 | 100 | 100 | 100 | 100 |
| Max operating pressure | Bar | 3 | 3 | 3 | 3 | 3 r | 3 |
| Burner | | Inside unit | Inside unit | Inside unit | Inside unit | Outside unit | Outside unit |
| Expansion tank capacity | lt | 12 | 18 | 18 | 35 | 50 | 50 |
| Length | mm | 799 | 911 | 1023 | 1135 | 911 | 1023 |
| Width | mm | 600 | 600 | 600 | 600 | 600 | 600 |
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ARTECH

Artech boilers fitted with atmospheric burner which helps the silent operation. They are fitted with burner, pump and expansion tank which eliminates the need for additional installation.

- > Compact dimensions
- > Full automated controls
- > Easy maintenance and cleaning
- > Capacities up to 72 kW
- > Working with natural gas
- > Optional hot water supply



FEATURES:

CAPACITIES
4

NUMBER OF SECTIONS
5 TO 8

EXPANTION TANK
UP TO 50 LT

| | UNIT | ARTECH 32 | ARTECH 40 | ARTECH 48 | ARTECH 55 |
|-------------------------|------|-----------|-----------|-----------|-----------|
| Nr. of sections | | 5 | 6 | 7 | 8 |
| Heat output | kW | 37.2 | 46.5 | 55.5 | 64.4 |
| Heat input | kW | 42.7 | 53.3 | 63.5 | 72 |
| Gas supply pressure | | | | | |
| Methane | mbar | 20 | 20 | 20 | 20 |
| Butane (G30) | mbar | 30 | 30 | 30 | 30 |
| Propane (G31) | mbar | 37 | 37 | 37 | 37 |
| Type | | B11BS | B11BS | B11BS | B11BS |
| Expansion tank capacity | lt | 18 | 35 | 50 | 50 |
| Width | mm | 600 | 680 | 770 | 860 |
| Height | mm | 1000 | 1000 | 1000 | 1000 |
| Length | mm | 660 | 660 | 660 | 660 |
| Weight | kg | 170 | 200 | 220 | 240 |
| | | | | | |
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YMK

YMK cast iron boiler is a hot water boiler with blowing out and burner that is designed in compatibility with the low temperature systems and in respect of the horizontal three gas transition principles.

- > 7 different capacities between 275 Mcal/h-575 Mcal/h
- > Overall efficiencies up to 93% at nominal output according to 92/42/EC
- > Norm efficiencies up to 95% according to DIN 4702-8
- > Horizontal fully three pass principle
- > Appropriate compact dimensions with new section design



FEATURES:

| | | | |
|------------|---------------------------|--------------------|----------------------------|
| CAPACITIES | GAS CIRCULATION PRINCIPLE | MAXIMUM EFFICIENCY | MAXIMUM OPERATING PRESSURE |
| 7 | 3 PASS | 93% | 6 BAR |

| | UNIT | YMK 8 | YMK 9 | YMK 10 | YMK 11 | YMK 12 | YMK 13 | YMK 14 |
|-----------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Nr. of sections | | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Nominal heat input kW | Mcal / h | 320 (275) | 378 (325) | 436 (374) | 494 (424) | 552 (474) | 611 (525) | 669 (575) |
| Nominal heat output kW | Mcal / h | 346 (297) | 408 (350) | 470 (404) | 532 (457) | 594 (510) | 656 (564) | 716 (615) |
| Gas resistance | mbar | 2.27 | 2.4 | 2.5 | 3 | 3.6 | 4.2 | 4.9 |
| Combustion chamber diameter | mm | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| Combustion chamber depth | mm | 920 | 1035 | 1150 | 1265 | 1380 | 1495 | 1610 |
| Length | mm | 1220 | 1335 | 1450 | 1565 | 1680 | 1795 | 1910 |
| Return & flow connections | DN | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Chimney temperature | °C | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| Burner mounting diameter | mm | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Burner mounting depth | mm | Min. 125 | Min. 125 | Min. 125 | Min. 125 | Min. 125 | Min. 125 | Min. 125 |
| Smokehood diameter | mm | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| Boiler weight | kg | 889 | 983 | 1077 | 1171 | 1265 | 1359 | 1453 |
| Water content | lt | 161 | 179 | 197 | 215 | 233 | 251 | 269 |
| Flow temperature control | °C | 30 - 90 | 30 - 90 | 30 - 90 | 30 - 90 | 30 - 90 | 30 - 90 | 30 - 90 |
| Max. working temperature | °C | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Max working pressure | Bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

CK

CK steel boilers are designed for people who are looking for cost efficient solutions in a high efficiency boiler.

- > 19 capacities available
- > Overall efficiencies up to 93% at nominal output
- > Compact dimensions
- > Easy maintenance



FEATURES:

CAPACITIES

19

EFFICIENCY

93%

DIMENSIONS

| Type | Capacity (kcal/h) | Width (mm) | Height (mm) | Length (mm) | Weight (kg) | Water Content (lt) |
|---------|-------------------|------------|-------------|-------------|-------------|--------------------|
| CK 70 | 70.000 | 810 | 810 | 990 | 350 | 100 |
| CK 90 | 90.000 | 810 | 810 | 990 | 350 | 100 |
| CK 110 | 110.000 | 900 | 900 | 1180 | 435 | 200 |
| CK 140 | 140.000 | 900 | 900 | 1380 | 500 | 240 |
| CK 170 | 170.000 | 990 | 990 | 1495 | 630 | 330 |
| CK 220 | 220.000 | 990 | 990 | 1645 | 720 | 350 |
| CK 250 | 250.000 | 1100 | 1100 | 1905 | 960 | 490 |
| CK 320 | 320.000 | 1100 | 1100 | 1905 | 960 | 490 |
| CK 360 | 360.000 | 1240 | 1240 | 2155 | 1440 | 730 |
| CK 400 | 400.000 | 1240 | 1240 | 2155 | 1470 | 730 |
| CK 500 | 500.000 | 1240 | 1240 | 2355 | 1670 | 780 |
| CK 640 | 640.000 | 1350 | 1350 | 2650 | 2260 | 1000 |
| CK 800 | 800.000 | 1350 | 1350 | 2870 | 2460 | 1300 |
| CK 1000 | 1.000.000 | 1440 | 1440 | 3035 | 3000 | 1430 |
| CK 1250 | 1.250.000 | 1580 | 1580 | 3335 | 3500 | 1470 |
| CK 1600 | 1.600.000 | 1580 | 1580 | 3735 | 3900 | 1600 |
| CK 2000 | 2.000.000 | 1740 | 1740 | 3965 | 5100 | 2400 |
| CK 2500 | 2.500.000 | 1930 | 1930 | 4155 | 6200 | 3400 |
| CK 3000 | 3.000.000 | 1930 | 1930 | 4355 | 6700 | 3410 |



AIR CONDITIONERS

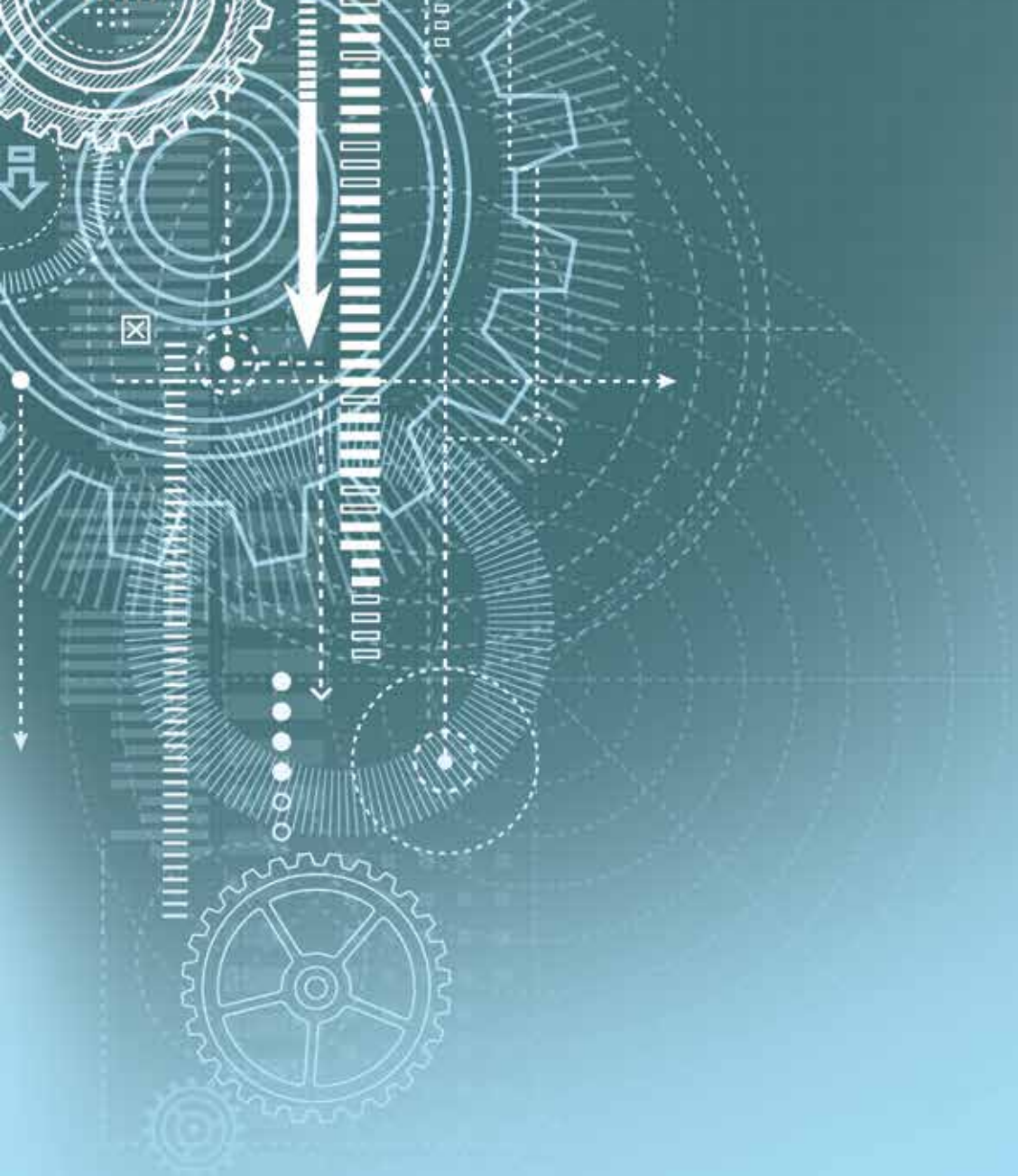
A4

Demirdöküm Inverter A4 wall type split air conditioners with DC inverter compressor technology consume lower energy for higher heating/cooling performance, they contribute to both your comfort and budget.



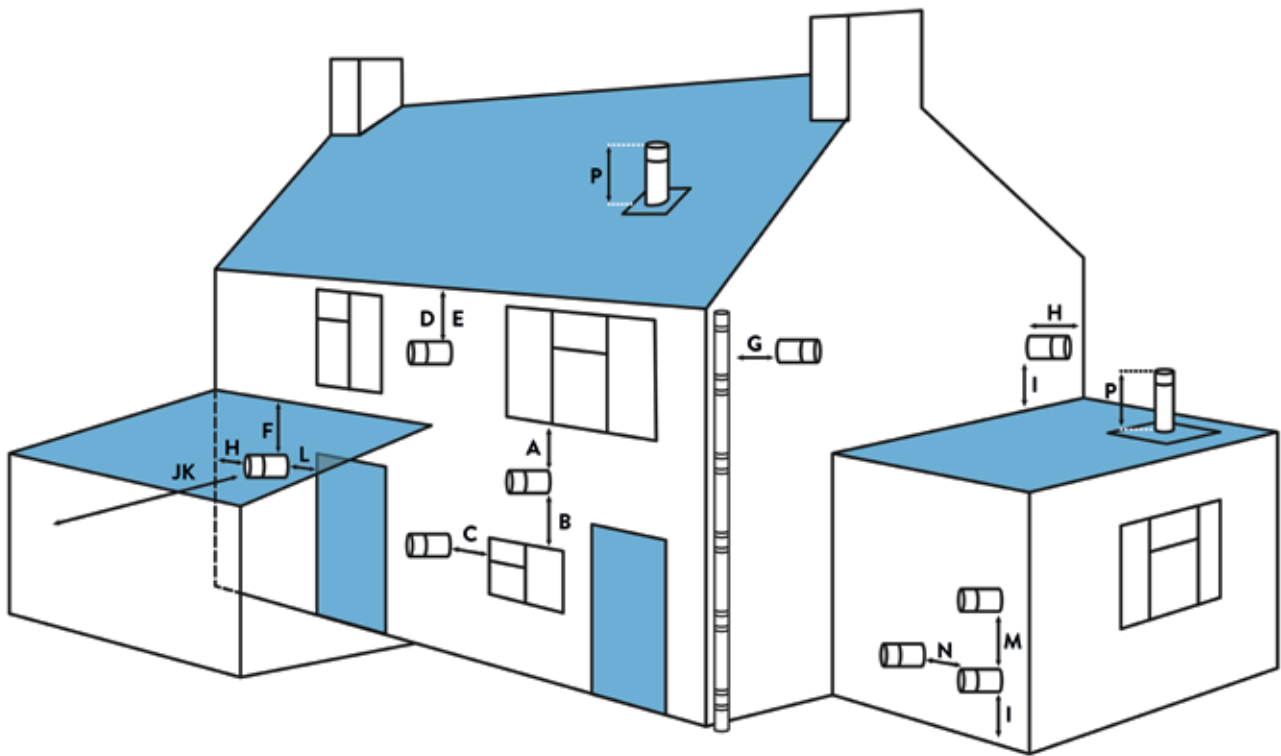
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|-----------|------------|--------------|----------------|-----------|----------|-------------------|
| FEATURES: | SLEEP MODE | AUTO RESTART | COOLING LIQUID | HOT START | JET COOL | BTU |
| | YES | YES | R410a | YES | YES | 9K-12K 18K-24K |

| MODEL | UNIT | A4 INVERTER 09 | A4 INVERTER 12 | A4 INVERTER 18 | A4 INVERTER 24 |
|-----------------------------|--------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Power supply | V / Ph / Hz | 230 / 1 / 50 | 230 / 1 / 50 | 230 / 1 / 50 | 230 / 1 / 50 |
| Cooling capacity | kW | 2.70 | 3.50 | 5.28 | 6.45 |
| Power input | kW | 0.87 | 1.17 | 1.63 | 2.18 |
| Pdesign cap | kW | 2.70 | 3.50 | 5.20 | 6.40 |
| Operating current | A | 3.80 | 5.20 | 7.20 | 9.70 |
| Seer | | 5.60 | 6.10 | 5.60 | 5.10 |
| Heating capacity | kW | 2.80 | 4.00 | 5.80 | 7.00 |
| Power input | kW | 0.90 | 1.20 | 1.76 | 2.22 |
| Operating current | A | 4.00 | 5.30 | 7.80 | 9.80 |
| Pdesign cap | kW | 2.80 | 3.20 | 4.50 | 5.80 |
| Scop | | 3.80 | 4.00 | 3.80 | 3.80 |
| Indoor Unit | | | | | |
| Air flow volume | M ³ / H | 300 / 400 / 500 / 600 | 300 / 400 / 500 / 580 | 550 / 650 / 780 / 850 | 550 / 700 / 800 / 1000 |
| Sound pressure level Db | A | 28 / 34 / 36 / 41 | 30 / 35 / 40 / 42 | 35 / 40 / 43 / 48 | 39 / 42 / 47 / 51 |
| Outdoor unit | | | | | |
| Air flow volume | M ³ / H | 1800 | 1800 | 3200 | 4000 |
| Sound pressure level Db | A | 51 | 53 | 55 | 58 |
| Refrigerant | | R410A | R410A | R410A | R410A |
| Refrigerant charge | gr | 700 | 850 | 1350 | 1800 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary |
| Expansion system | | EEV | EEV | Capillary | Capillary |
| Installation | | | | | |
| Pipe connection liq / Gas | Inches | 1 / 4" - 3 / 8" | 1 / 4" - 3 / 8" | 1 / 4" - 1 / 2" | 1 / 4" - 5 / 8" |
| Max. Piping Length | M | 15 | 15 | 25 | 25 |
| Max. height lu under Ou | M | 10 | 10 | 10 | 10 |
| Max. height Ou under lu | M | 10 | 10 | 10 | 10 |
| Chargeless length | M | 5.0 | 5.0 | 5.0 | 5.0 |
| Additional charge per meter | gr | 10 | 20 | 20 | 50 |
| | | | | | |
| | | | | | |



TECHNICAL SPECIFICATIONS

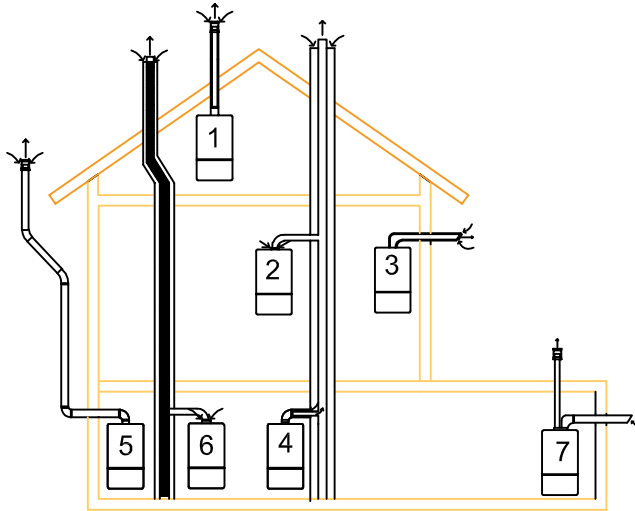
CERTIFICATED FLUE OPTIONS



| ITEM | TERMINAL POSITION | MINIMUM DISTANCE (MM) |
|------|---|-----------------------|
| A | Directly below an opening window, air vent or other ventilator opening. | 300 |
| B | Above an opening, airbrick, opening window, door. | 300 |
| C | Horizontal to an opening, airbrick, opening window | 300 |
| D | Below eaves. | 200 |
| E | Below gutters, horizontal soil pipes or drain pipes. | 75 |
| F | Below a balcony or carport | 200 |
| G | From vertical drain or soil pipe. | 150 |
| H | From an internal or external corner. | 300 |
| I | Above ground roof or balcony level. | 300 |
| J | From a surface facing the terminal. | 600 |
| K | From a terminal facing the terminal. | 1200 |
| L | From an opening in the carport. | 1200 |
| M | Vertically from a terminal on the same wall | 1500 |
| N | Horizontally from a terminal in the same wall | 300 |
| P | Above the roof level (to base of terminal). | 300 |
| Q | From adjacent wall to flue. | 300 |
| R | From an adjacent opening window. | 1000 |
| S | From another roof terminal. | 600 |

FLUE APPLICATIONS

Demirdöküm boilers can be installed with all domestic flue applications. Some examples are illustrated below.



1. Vertical, concentric roof terminal
2. Communal flue system - open flued
3. Horizontal concentric
4. Communal room sealed chimney
5. Vertical outside wall system
6. Chimney flue
7. Twin flue adapter - seperated flue

The maximum flue length is main consideration point while selecting the flue application.

Maximum flue lengths are provided on products installation guides. Flue lengths already allows at least 2 / 90° elbows (including support bends.)

Each additional 90° elbow reduce the maximum flue length by 1 m, each additional 45° elbow by 0.5 m (for 60 / 100 diameter flue pipe).

If flue pipeline length is not enough for 60 / 100 diameter flue in the application. Pipe line length could be extend with using 80 / 125 diameter flue components. When diameter of pipeline extends, the resistance aganist fluid decrease. With this way longer flue pipelines can be installed for applications. Both 60 / 100 and 80 / 125 diameter pipelines provided.

| PART NO | CONNECTION TYPES | FLUE CONNECTION SYSTEM |
|--------------|---|------------------------|
| 1 3003202922 | C13, C33, C43, C53, C83, B23 / B23P, B33 | |
| 2 0020220302 | C13, C32, C62 | |
| 3 3003202434 | C12, C32, C42, C52 / C13, C33, C43, C53, C83, B23 - B23P, B33 | |
| 4 3003202435 | C12, C32, C42, C52 / C13, C33, C43, C53, C83, B23 - B23P, B33 | |
| 5 0020247016 | C12, C32, C42, C52, C82, B22 - B22P, B32 | |
| 6 3003202433 | C12, C32, C42, C52 / C13, C33, C43, C53, C83, B23 - B23P, B33 | |

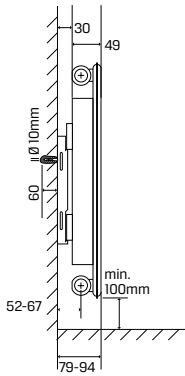
PANEL RADIATORS

Water treatment

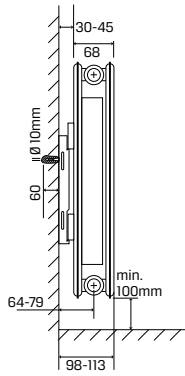
On completion of the installation it is strongly recommended that the system is properly flushed and treated, and that a corrosion inhibitor is used. Failure to do this will invalidate our manufacturer's warranty.

Compact range

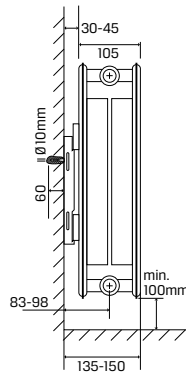
Single Convector
Type 11



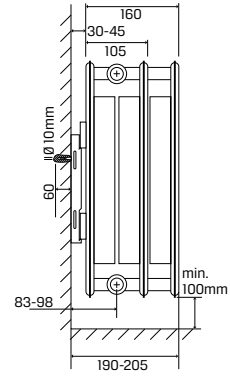
Double Panel
Single Convector
Type 21



Double Convector
Type 22



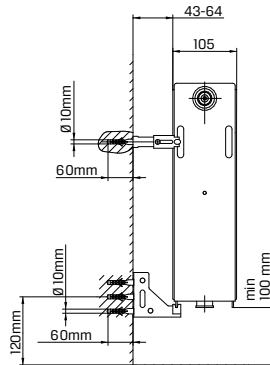
Triple Convector
Type 33



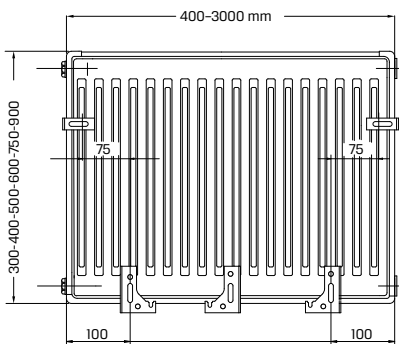
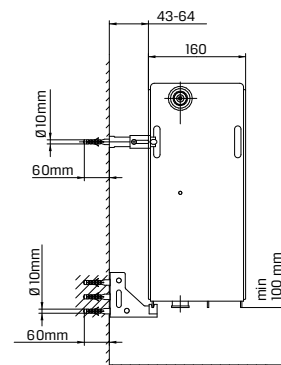
Sizes indicated may vary by + - 2 mm.

Ventil range

Double Panel -
Double Convector
Type 21- Type 22



Triple Convector
Type 33



PANEL PLUS TECHNICAL DATA SHEET

TYPE 11



TYPE 21



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|-----------------|-----------------|------------------------------|-----------------|-----------------|
| | mm | inches | | $\Delta T50$ °C | $\Delta T60$ °C | | $\Delta T50$ °C | $\Delta T60$ °C |
| 300mm (12") | 400 | 16 | 333041213 | 224 | 286 | 373041213 | 320 | 408 |
| | 500 | 20 | 333051213 | 281 | 358 | 373051213 | 400 | 510 |
| | 600 | 24 | 333061213 | 337 | 430 | 373061213 | 480 | 612 |
| | 700 | 28 | 333071213 | 393 | 501 | 373071213 | 560 | 714 |
| | 800 | 31 | 333081213 | 449 | 573 | 373081213 | 640 | 816 |
| | 900 | 35 | 333091213 | 505 | 644 | 373091213 | 720 | 918 |
| | 1000 | 39 | 333101213 | 561 | 716 | 373101213 | 800 | 1020 |
| | 1100 | 43 | 333111213 | 617 | 787 | 373111213 | 880 | 1122 |
| | 1200 | 47 | 333121213 | 673 | 859 | 373121213 | 960 | 1224 |
| | 1300 | 51 | 333131213 | 729 | 931 | 373131213 | 1040 | 1326 |
| | 1400 | 55 | 333141213 | 785 | 1002 | 373141213 | 1120 | 1428 |
| | 1500 | 59 | 333151213 | 842 | 1074 | 373151213 | 1200 | 1530 |
| | 1600 | 63 | 333161213 | 898 | 1145 | 373161213 | 1280 | 1632 |
| | 1800 | 71 | 333181213 | 1010 | 1289 | 373181213 | 1440 | 1835 |
| | 2000 | 79 | 333201213 | 1122 | 1432 | 373201213 | 1600 | 2039 |
| | 2200 | 87 | 333221213 | 1234 | 1575 | 373221213 | 1760 | 2243 |
| | 2400 | 94 | 333241213 | 1346 | 1718 | 373241213 | 1920 | 2447 |
| | 2600 | 102 | 333261213 | 1459 | 1861 | 373261213 | 2080 | 2651 |
| 2800 | 110 | 333281213 | 1571 | 2004 | 373281213 | 2240 | 2855 | |
| 3000 | 118 | 333301213 | 1683 | 2148 | 373301213 | 2400 | 3059 | |
| 400mm (16") | 400 | 16 | 334041213 | 280 | 358 | 374041213 | 400 | 510 |
| | 500 | 20 | 334051213 | 350 | 448 | 374051213 | 500 | 638 |
| | 600 | 24 | 334061213 | 420 | 537 | 374061213 | 599 | 765 |
| | 700 | 28 | 334071213 | 490 | 627 | 374071213 | 699 | 893 |
| | 800 | 31 | 334081213 | 560 | 716 | 374081213 | 799 | 1020 |
| | 900 | 35 | 334091213 | 630 | 806 | 374091213 | 899 | 1148 |
| | 1000 | 39 | 334101213 | 700 | 895 | 374101213 | 999 | 1275 |
| | 1100 | 43 | 334111213 | 770 | 985 | 374111213 | 1099 | 1403 |
| | 1200 | 47 | 334121213 | 840 | 1074 | 374121213 | 1199 | 1530 |
| | 1300 | 51 | 334131213 | 910 | 1164 | 374131213 | 1299 | 1658 |
| | 1400 | 55 | 334141213 | 980 | 1253 | 374141213 | 1399 | 1785 |
| | 1500 | 59 | 334151213 | 1050 | 1343 | 374151213 | 1499 | 1913 |
| | 1600 | 63 | 334161213 | 1120 | 1432 | 374161213 | 1598 | 2040 |
| | 1800 | 71 | 334181213 | 1260 | 1611 | 374181213 | 1798 | 2295 |
| | 2000 | 79 | 334201213 | 1400 | 1790 | 374201213 | 1998 | 2550 |
| | 2200 | 87 | 334221213 | 1540 | 1970 | 374221213 | 2198 | 2805 |
| | 2400 | 94 | 334241213 | 1680 | 2149 | 374241213 | 2398 | 3060 |
| | 2600 | 102 | 334261213 | 1820 | 2328 | 374261213 | 2597 | 3315 |
| 2800 | 110 | 334281213 | 1960 | 2507 | 374281213 | 2797 | 3570 | |
| 3000 | 118 | 334301213 | 2100 | 2686 | 374301213 | 2997 | 3825 | |
| 500mm (20") | 400 | 16 | 335041213 | 332 | 425 | 375041213 | 474 | 606 |
| | 500 | 20 | 335051213 | 415 | 531 | 375051213 | 593 | 757 |
| | 600 | 24 | 335061213 | 497 | 638 | 375061213 | 711 | 909 |
| | 700 | 28 | 335071213 | 580 | 744 | 375071213 | 830 | 1060 |
| | 800 | 31 | 335081213 | 663 | 850 | 375081213 | 948 | 1212 |
| | 900 | 35 | 335091213 | 746 | 956 | 375091213 | 1067 | 1363 |
| | 1000 | 39 | 335101213 | 829 | 1063 | 375101213 | 1185 | 1515 |
| | 1100 | 43 | 335111213 | 912 | 1169 | 375111213 | 1304 | 1666 |
| | 1200 | 47 | 335121213 | 995 | 1275 | 375121213 | 1422 | 1817 |
| | 1300 | 51 | 335131213 | 1078 | 1381 | 375131213 | 1541 | 1969 |
| | 1400 | 55 | 335141213 | 1161 | 1488 | 375141213 | 1659 | 2120 |
| | 1500 | 59 | 335151213 | 1244 | 1594 | 375151213 | 1778 | 2272 |
| | 1600 | 63 | 335161213 | 1326 | 1700 | 375161213 | 1896 | 2423 |
| | 1800 | 71 | 335181213 | 1492 | 1913 | 375181213 | 2133 | 2726 |
| | 2000 | 79 | 335201213 | 1658 | 2125 | 375201213 | 2370 | 3029 |
| | 2200 | 87 | 335221213 | 1824 | 2338 | 375221213 | 2607 | 3332 |
| | 2400 | 94 | 335241213 | 1990 | 2550 | 375241213 | 2844 | 3635 |
| | 2600 | 102 | 335261213 | 2155 | 2763 | 375261213 | 3081 | 3938 |
| 2800 | 110 | 335281213 | 2321 | 2975 | 375281213 | 3318 | 4241 | |
| 3000 | 118 | 335301213 | 2487 | 3188 | 375301213 | 3555 | 4544 | |

*All inch measurements are nominal

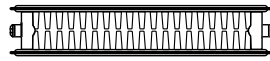
Heat output $\Delta T50$ °C mean water temperature of 70°C and room temperature of 20°C.

Heat output $\Delta T60$ °C mean water temperature of 80°C and room temperature of 20°C.

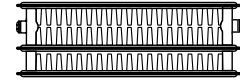
To obtain the article number for the Ventil type, please contact your point of sale.

PANEL PLUS TECHNICAL DATA SHEET

TYPE 22



TYPE 33



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|--------------------------------------|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|
| | mm | inches | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ |
| 300mm (12") | 400 | 16 | 313041213 | 421 | 537 | 363041213 | 602 | 769 |
| | 500 | 20 | 313051213 | 526 | 671 | 363051213 | 753 | 961 |
| | 600 | 24 | 313061213 | 631 | 805 | 363061213 | 904 | 1153 |
| | 700 | 28 | 313071213 | 736 | 939 | 363071213 | 1054 | 1346 |
| | 800 | 31 | 313081213 | 842 | 1073 | 363081213 | 1205 | 1538 |
| | 900 | 35 | 313091213 | 947 | 1207 | 363091213 | 1355 | 1730 |
| | 1000 | 39 | 313101213 | 1052 | 1341 | 363101213 | 1506 | 1922 |
| | 1100 | 43 | 313111213 | 1157 | 1475 | 363111213 | 1657 | 2114 |
| | 1200 | 47 | 313121213 | 1262 | 1610 | 363121213 | 1807 | 2307 |
| | 1300 | 51 | 313131213 | 1368 | 1744 | 363131213 | 1958 | 2499 |
| | 1400 | 55 | 313141213 | 1473 | 1878 | 363141213 | 2108 | 2691 |
| | 1500 | 59 | 313151213 | 1578 | 2012 | 363151213 | 2259 | 2883 |
| | 1600 | 63 | 313161213 | 1683 | 2146 | 363161213 | 2410 | 3075 |
| | 1800 | 71 | 313181213 | 1894 | 2414 | 363181213 | 2711 | 3460 |
| | 2000 | 79 | 313201213 | 2104 | 2683 | 363201213 | 3012 | 3844 |
| | 2200 | 87 | 313221213 | 2314 | 2951 | 363221213 | 3313 | 4229 |
| | 2400 | 94 | 313241213 | 2525 | 3219 | 363241213 | 3614 | 4613 |
| | 2600 | 102 | 313261213 | 2735 | 3487 | 363261213 | 3916 | 4998 |
| 2800 | 110 | 313281213 | 2946 | 3756 | 363281213 | 4217 | 5382 | |
| 3000 | 118 | 313301213 | 3156 | 4024 | 363301213 | 4518 | 5767 | |
| 400mm (16") | 400 | 16 | 314041213 | 526 | 671 | 364041213 | 751 | 960 |
| | 500 | 20 | 314051213 | 658 | 839 | 364051213 | 939 | 1200 |
| | 600 | 24 | 314061213 | 789 | 1006 | 364061213 | 1126 | 1439 |
| | 700 | 28 | 314071213 | 921 | 1174 | 364071213 | 1314 | 1679 |
| | 800 | 31 | 314081213 | 1052 | 1342 | 364081213 | 1502 | 1919 |
| | 900 | 35 | 314091213 | 1184 | 1510 | 364091213 | 1689 | 2159 |
| | 1000 | 39 | 314101213 | 1315 | 1677 | 364101213 | 1877 | 2399 |
| | 1100 | 43 | 314111213 | 1447 | 1845 | 364111213 | 2065 | 2639 |
| | 1200 | 47 | 314121213 | 1578 | 2013 | 364121213 | 2252 | 2879 |
| | 1300 | 51 | 314131213 | 1710 | 2181 | 364131213 | 2440 | 3119 |
| | 1400 | 55 | 314141213 | 1841 | 2348 | 364141213 | 2628 | 3359 |
| | 1500 | 59 | 314151213 | 1973 | 2516 | 364151213 | 2816 | 3599 |
| | 1600 | 63 | 314161213 | 2104 | 2684 | 364161213 | 3003 | 3839 |
| | 1800 | 71 | 314181213 | 2367 | 3019 | 364181213 | 3379 | 4318 |
| | 2000 | 79 | 314201213 | 2630 | 3355 | 364201213 | 3754 | 4798 |
| | 2200 | 87 | 314221213 | 2893 | 3690 | 364221213 | 4129 | 5278 |
| | 2400 | 94 | 314241213 | 3156 | 4026 | 364241213 | 4505 | 5758 |
| | 2600 | 102 | 314261213 | 3419 | 4361 | 364261213 | 4880 | 6238 |
| 2800 | 110 | 314281213 | 3682 | 4697 | 364281213 | 5256 | 6717 | |
| 3000 | 118 | 314301213 | 3945 | 5032 | 364301213 | 5631 | 7197 | |
| 500mm (20") | 400 | 16 | 315041213 | 526 | 671 | 365041213 | 889 | 1138 |
| | 500 | 20 | 315051213 | 658 | 839 | 365051213 | 1111 | 1422 |
| | 600 | 24 | 315061213 | 789 | 1007 | 365061213 | 1333 | 1706 |
| | 700 | 28 | 315071213 | 921 | 1175 | 365071213 | 1555 | 1991 |
| | 800 | 31 | 315081213 | 1052 | 1342 | 365081213 | 1778 | 2275 |
| | 900 | 35 | 315091213 | 1184 | 1510 | 365091213 | 2000 | 2560 |
| | 1000 | 39 | 315101213 | 1315 | 1678 | 365101213 | 2222 | 2844 |
| | 1100 | 43 | 315111213 | 1447 | 1846 | 365111213 | 2444 | 3128 |
| | 1200 | 47 | 315121213 | 1578 | 2014 | 365121213 | 2666 | 3413 |
| | 1300 | 51 | 315131213 | 1710 | 2182 | 365131213 | 2889 | 3697 |
| | 1400 | 55 | 315141213 | 1841 | 2349 | 365141213 | 3111 | 3982 |
| | 1500 | 59 | 315151213 | 1973 | 2517 | 365151213 | 3333 | 4266 |
| | 1600 | 63 | 315161213 | 2104 | 2685 | 365161213 | 3555 | 4550 |
| | 1800 | 71 | 315181213 | 2367 | 3021 | 365181213 | 4000 | 5119 |
| | 2000 | 79 | 315201213 | 2630 | 3356 | 365201213 | 4444 | 5688 |
| | 2200 | 87 | 315221213 | 2893 | 3692 | 365221213 | 4888 | 6257 |
| | 2400 | 94 | 315241213 | 3156 | 4027 | 365241213 | 5333 | 6826 |
| | 2600 | 102 | 315261213 | 3419 | 4363 | 365261213 | 5777 | 7394 |
| 2800 | 110 | 315281213 | 3682 | 4699 | 365281213 | 6222 | 7963 | |
| 3000 | 118 | 315301213 | 3945 | 5034 | 365301213 | 6666 | 8532 | |

*All inch measurements are nominal

Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

Heat output $\Delta T60\text{ }^{\circ}\text{C}$ mean water temperature of $80\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

To obtain the article number for the Ventil type, please contact your point of sale.

PANEL PLUS TECHNICAL DATA SHEET

TYPE 11



TYPE 21



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|--------------------------------------|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|
| | mm | inches | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ |
| 600mm (24") | 400 | 16 | 336041213 | 381 | 489 | 376041213 | 474 | 607 |
| | 500 | 20 | 336051213 | 476 | 612 | 376051213 | 593 | 758 |
| | 600 | 24 | 336061213 | 571 | 734 | 376061213 | 711 | 910 |
| | 700 | 28 | 336071213 | 666 | 856 | 376071213 | 830 | 1062 |
| | 800 | 31 | 336081213 | 762 | 978 | 376081213 | 948 | 1213 |
| | 900 | 35 | 336091213 | 857 | 1101 | 376091213 | 1067 | 1365 |
| | 1000 | 39 | 336101213 | 952 | 1223 | 376101213 | 1185 | 1517 |
| | 1100 | 43 | 336111213 | 1047 | 1345 | 376111213 | 1304 | 1668 |
| | 1200 | 47 | 336121213 | 1142 | 1468 | 376121213 | 1422 | 1820 |
| | 1300 | 51 | 336131213 | 1238 | 1590 | 376131213 | 1541 | 1972 |
| | 1400 | 55 | 336141213 | 1333 | 1712 | 376141213 | 1659 | 2123 |
| | 1500 | 59 | 336151213 | 1428 | 1835 | 376151213 | 1778 | 2275 |
| | 1600 | 63 | 336161213 | 1523 | 1957 | 376161213 | 1896 | 2427 |
| | 1800 | 71 | 336181213 | 1714 | 2202 | 376181213 | 2133 | 2730 |
| | 2000 | 79 | 336201213 | 1904 | 2446 | 376201213 | 2370 | 3033 |
| | 2200 | 87 | 336221213 | 2094 | 2691 | 376221213 | 2607 | 3337 |
| | 2400 | 94 | 336241213 | 2285 | 2935 | 376241213 | 2844 | 3640 |
| | 2600 | 102 | 336261213 | 2475 | 3180 | 376261213 | 3081 | 3943 |
| 2800 | 110 | 336281213 | 2666 | 3425 | 376281213 | 3318 | 4247 | |
| 3000 | 118 | 336301213 | 2856 | 3669 | 376301213 | 3555 | 4550 | |
| 750mm (30") | 400 | 16 | 337041213 | 450 | 578 | 377041213 | 643 | 825 |
| | 500 | 20 | 337051213 | 563 | 723 | 377051213 | 804 | 1031 |
| | 600 | 24 | 337061213 | 675 | 867 | 377061213 | 965 | 1237 |
| | 700 | 28 | 337071213 | 788 | 1012 | 377071213 | 1126 | 1443 |
| | 800 | 31 | 337081213 | 900 | 1156 | 377081213 | 1286 | 1650 |
| | 900 | 35 | 337091213 | 1013 | 1301 | 377091213 | 1447 | 1856 |
| | 1000 | 39 | 337101213 | 1125 | 1446 | 377101213 | 1608 | 2062 |
| | 1100 | 43 | 337111213 | 1238 | 1590 | 377111213 | 1769 | 2268 |
| | 1200 | 47 | 337121213 | 1350 | 1735 | 377121213 | 1930 | 2474 |
| | 1300 | 51 | 337131213 | 1463 | 1879 | 377131213 | 2090 | 2681 |
| | 1400 | 55 | 337141213 | 1575 | 2024 | 377141213 | 2251 | 2887 |
| | 1500 | 59 | 337151213 | 1688 | 2168 | 377151213 | 2412 | 3093 |
| | 1600 | 63 | 337161213 | 1800 | 2313 | 377161213 | 2573 | 3299 |
| | 1800 | 71 | 337181213 | 2025 | 2602 | 377181213 | 2894 | 3712 |
| 2000 | 79 | 337201213 | 2250 | 2891 | 377201213 | 3216 | 4124 | |
| 900mm (36") | 400 | 16 | 339041213 | 515 | 662 | 379041213 | 736 | 946 |
| | 500 | 20 | 339051213 | 644 | 827 | 379051213 | 920 | 1182 |
| | 600 | 24 | 339061213 | 772 | 992 | 379061213 | 1104 | 1418 |
| | 700 | 28 | 339071213 | 901 | 1158 | 379071213 | 1288 | 1655 |
| | 800 | 31 | 339081213 | 1030 | 1323 | 379081213 | 1472 | 1891 |
| | 900 | 35 | 339091213 | 1158 | 1489 | 379091213 | 1656 | 2128 |
| | 1000 | 39 | 339101213 | 1287 | 1654 | 379101213 | 1840 | 2364 |
| | 1100 | 43 | 339111213 | 1416 | 1819 | 379111213 | 2024 | 2600 |
| | 1200 | 47 | 339121213 | 1544 | 1985 | 379121213 | 2208 | 2837 |
| | 1300 | 51 | 339131213 | 1673 | 2150 | 379131213 | 2392 | 3073 |
| | 1400 | 55 | 339141213 | 1802 | 2315 | 379141213 | 2576 | 3310 |
| | 1500 | 59 | 339151213 | 1931 | 2481 | 379151213 | 2760 | 3546 |
| | 1600 | 63 | 339161213 | 2059 | 2646 | 379161213 | 2944 | 3783 |
| | 1800 | 71 | 339181213 | 2317 | 2977 | 379181213 | 3312 | 4255 |
| | 2000 | 79 | 339201213 | 2574 | 3308 | 379201213 | 3680 | 4728 |
| | 2200 | 87 | 339221213 | 2831 | 3639 | 379221213 | 4048 | 5201 |
| | 2400 | 94 | 339241213 | 3089 | 3969 | 379241213 | 4416 | 5674 |
| | 2600 | 102 | 339261213 | 3346 | 4300 | 379261213 | 4784 | 6147 |
| 2800 | 110 | 339281213 | 3604 | 4631 | 379281213 | 5152 | 6619 | |
| 3000 | 118 | 339301213 | 3861 | 4962 | 379301213 | 5520 | 7092 | |

*All inch measurements are nominal

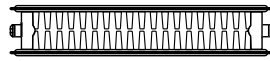
Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

Heat output $\Delta T60\text{ }^{\circ}\text{C}$ mean water temperature of $80\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

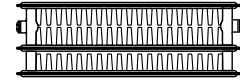
To obtain the article number for the Ventil type, please contact your point of sale.

PANEL PLUS TECHNICAL DATA SHEET

TYPE 22



TYPE 33



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|--------------------------------------|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|
| | mm | inches | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ |
| 600mm (24") | 400 | 16 | 316041213 | 719 | 918 | 366041213 | 1018 | 1305 |
| | 500 | 20 | 316051213 | 899 | 1148 | 366051213 | 1273 | 1632 |
| | 600 | 24 | 316061213 | 1079 | 1377 | 366061213 | 1528 | 1958 |
| | 700 | 28 | 316071213 | 1259 | 1607 | 366071213 | 1782 | 2284 |
| | 800 | 31 | 316081213 | 1438 | 1836 | 366081213 | 2037 | 2611 |
| | 900 | 35 | 316091213 | 1618 | 2066 | 366091213 | 2291 | 2937 |
| | 1000 | 39 | 316101213 | 1798 | 2295 | 366101213 | 2546 | 3263 |
| | 1100 | 43 | 316111213 | 1978 | 2525 | 366111213 | 2801 | 3590 |
| | 1200 | 47 | 316121213 | 2158 | 2755 | 366121213 | 3055 | 3916 |
| | 1300 | 51 | 316131213 | 2337 | 2984 | 366131213 | 3310 | 4242 |
| | 1400 | 55 | 316141213 | 2517 | 3214 | 366141213 | 3564 | 4569 |
| | 1500 | 59 | 316151213 | 2697 | 3443 | 366151213 | 3819 | 4895 |
| | 1600 | 63 | 316161213 | 2877 | 3673 | 366161213 | 4074 | 5221 |
| | 1800 | 71 | 316181213 | 3236 | 4132 | 366181213 | 4583 | 5874 |
| | 2000 | 79 | 316201213 | 3596 | 4591 | 366201213 | 5092 | 6526 |
| | 2200 | 87 | 316221213 | 3956 | 5050 | 366221213 | 5601 | 7179 |
| | 2400 | 94 | 316241213 | 4315 | 5509 | 366241213 | 6110 | 7832 |
| | 2600 | 102 | 316261213 | 4675 | 5968 | 366261213 | 6620 | 8484 |
| 2800 | 110 | 316281213 | 5034 | 6427 | 366281213 | 7129 | 9137 | |
| 3000 | 118 | 316301213 | 5394 | 6886 | 366301213 | 7638 | 9790 | |
| 750mm (30") | 400 | 16 | 317041213 | 853 | 1092 | 367041213 | 1200 | 1542 |
| | 500 | 20 | 317051213 | 1066 | 1365 | 367051213 | 1500 | 1927 |
| | 600 | 24 | 317061213 | 1279 | 1639 | 367061213 | 1799 | 2312 |
| | 700 | 28 | 317071213 | 1492 | 1912 | 367071213 | 2099 | 2698 |
| | 800 | 31 | 317081213 | 1706 | 2185 | 367081213 | 2399 | 3083 |
| | 900 | 35 | 317091213 | 1919 | 2458 | 367091213 | 2699 | 3469 |
| | 1000 | 39 | 317101213 | 2132 | 2731 | 367101213 | 2999 | 3854 |
| | 1100 | 43 | 317111213 | 2345 | 3004 | 367111213 | 3299 | 4239 |
| | 1200 | 47 | 317121213 | 2558 | 3277 | 367121213 | 3599 | 4625 |
| | 1300 | 51 | 317131213 | 2772 | 3550 | 367131213 | 3899 | 5010 |
| | 1400 | 55 | 317141213 | 2985 | 3823 | 367141213 | 4199 | 5396 |
| | 1500 | 59 | 317151213 | 3198 | 4096 | 367151213 | 4499 | 5781 |
| | 1600 | 63 | 317161213 | 3411 | 4369 | 367161213 | 4798 | 6167 |
| | 1800 | 71 | 317181213 | 3838 | 4916 | 367181213 | 5398 | 6937 |
| 2000 | 79 | 317201213 | 4264 | 5462 | 367201213 | 5998 | 7708 | |
| 900mm (36") | 400 | 16 | 319041213 | 979 | 1258 | 369041213 | 1368 | 1763 |
| | 500 | 20 | 319051213 | 1224 | 1573 | 369051213 | 1710 | 2203 |
| | 600 | 24 | 319061213 | 1469 | 1888 | 369061213 | 2052 | 2644 |
| | 700 | 28 | 319071213 | 1714 | 2202 | 369071213 | 2394 | 3085 |
| | 800 | 31 | 319081213 | 1958 | 2517 | 369081213 | 2736 | 3525 |
| | 900 | 35 | 319091213 | 2203 | 2831 | 369091213 | 3078 | 3966 |
| | 1000 | 39 | 319101213 | 2448 | 3146 | 369101213 | 3420 | 4407 |
| | 1100 | 43 | 319111213 | 2693 | 3461 | 369111213 | 3762 | 4847 |
| | 1200 | 47 | 319121213 | 2938 | 3775 | 369121213 | 4104 | 5288 |
| | 1300 | 51 | 319131213 | 3182 | 4090 | 369131213 | 4446 | 5729 |
| | 1400 | 55 | 319141213 | 3427 | 4404 | 369141213 | 4788 | 6169 |
| | 1500 | 59 | 319151213 | 3672 | 4719 | 369151213 | 5130 | 6610 |
| | 1600 | 63 | 319161213 | 3917 | 5034 | 369161213 | 5472 | 7051 |
| | 1800 | 71 | 319181213 | 4406 | 5663 | 369181213 | 6156 | 7932 |
| | 2000 | 79 | 319201213 | 4896 | 6292 | 369201213 | 6840 | 8814 |
| | 2200 | 87 | 319221213 | 5386 | 6921 | 369221213 | 7524 | 9695 |
| | 2400 | 94 | 319241213 | 5875 | 7550 | 369241213 | 8208 | 10576 |
| | 2600 | 102 | 319261213 | 6365 | 8180 | 369261213 | 8892 | 11458 |
| 2800 | 110 | 319281213 | 6854 | 8809 | 369281213 | 9576 | 12339 | |
| 3000 | 118 | 319301213 | 7344 | 9438 | 369301213 | 10260 | 13220 | |

*All inch measurements are nominal

Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

Heat output $\Delta T60\text{ }^{\circ}\text{C}$ mean water temperature of $80\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

To obtain the article number for the Ventil type, please contact your point of sale.

COMPACT PANEL TECHNICAL DATA SHEET

TYPE 11

TYPE 21



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|--------------|-----------|------------------------------|--------------|---------|
| | mm | inches | | ΔT50 °C | ΔT60 °C | | ΔT50 °C | ΔT60 °C |
| 300mm (12") | 400 | 16 | 833041210 | 210 | 266 | 873041210 | 303 | 385 |
| | 500 | 20 | 833051210 | 263 | 333 | 873051210 | 379 | 481 |
| | 600 | 24 | 833061210 | 315 | 400 | 873061210 | 455 | 577 |
| | 700 | 28 | 833071210 | 368 | 466 | 873071210 | 531 | 673 |
| | 800 | 31 | 833081210 | 420 | 533 | 873081210 | 606 | 770 |
| | 900 | 35 | 833091210 | 473 | 599 | 873091210 | 682 | 866 |
| | 1000 | 39 | 833101210 | 525 | 666 | 873101210 | 758 | 962 |
| | 1100 | 43 | 833111210 | 578 | 733 | 873111210 | 834 | 1058 |
| | 1200 | 47 | 833121210 | 630 | 799 | 873121210 | 910 | 1154 |
| | 1300 | 51 | 833131210 | 683 | 866 | 873131210 | 985 | 1251 |
| | 1400 | 55 | 833141210 | 735 | 933 | 873141210 | 1061 | 1347 |
| | 1500 | 59 | 833151210 | 788 | 999 | 873151210 | 1137 | 1443 |
| | 1600 | 63 | 833161210 | 840 | 1066 | 873161210 | 1213 | 1539 |
| | 1800 | 71 | 833181210 | 945 | 1199 | 873181210 | 1364 | 1732 |
| | 2000 | 79 | 833201210 | 1050 | 1332 | 873201210 | 1516 | 1924 |
| | 2200 | 87 | 833221210 | 1155 | 1465 | 873221210 | 1668 | 2117 |
| | 2400 | 94 | 833241210 | 1260 | 1599 | 873241210 | 1819 | 2309 |
| 2600 | 102 | 833261210 | 1365 | 1732 | 873261210 | 1971 | 2501 | |
| 2800 | 110 | 833281210 | 1470 | 1865 | 873281210 | 2122 | 2694 | |
| 3000 | 118 | 833301210 | 1575 | 1998 | 873301210 | 2274 | 2886 | |
| 400mm (16") | 400 | 16 | 834041210 | 259 | 329 | 874041210 | 378 | 481 |
| | 500 | 20 | 834051210 | 324 | 411 | 874051210 | 473 | 601 |
| | 600 | 24 | 834061210 | 389 | 494 | 874061210 | 568 | 721 |
| | 700 | 28 | 834071210 | 454 | 576 | 874071210 | 662 | 841 |
| | 800 | 31 | 834081210 | 518 | 658 | 874081210 | 757 | 962 |
| | 900 | 35 | 834091210 | 583 | 740 | 874091210 | 851 | 1082 |
| | 1000 | 39 | 834101210 | 648 | 823 | 874101210 | 946 | 1202 |
| | 1100 | 43 | 834111210 | 713 | 905 | 874111210 | 1041 | 1322 |
| | 1200 | 47 | 834121210 | 778 | 987 | 874121210 | 1135 | 1443 |
| | 1300 | 51 | 834131210 | 842 | 1070 | 874131210 | 1230 | 1563 |
| | 1400 | 55 | 834141210 | 907 | 1152 | 874141210 | 1324 | 1683 |
| | 1500 | 59 | 834151210 | 972 | 1234 | 874151210 | 1419 | 1803 |
| | 1600 | 63 | 834161210 | 1037 | 1316 | 874161210 | 1514 | 1923 |
| | 1800 | 71 | 834181210 | 1166 | 1481 | 874181210 | 1703 | 2164 |
| | 2000 | 79 | 834201210 | 1296 | 1645 | 874201210 | 1892 | 2404 |
| | 2200 | 87 | 834221210 | 1426 | 1810 | 874221210 | 2081 | 2645 |
| | 2400 | 94 | 834241210 | 1555 | 1975 | 874241210 | 2270 | 2885 |
| 2600 | 102 | 834261210 | 1685 | 2139 | 874261210 | 2460 | 3125 | |
| 2800 | 110 | 834281210 | 1814 | 2304 | 874281210 | 2649 | 3366 | |
| 3000 | 118 | 834301210 | 1944 | 2468 | 874301210 | 2838 | 3606 | |
| 500mm (20") | 400 | 16 | 835041210 | 309 | 393 | 875041210 | 450 | 573 |
| | 500 | 20 | 835051210 | 387 | 491 | 875051210 | 563 | 716 |
| | 600 | 24 | 835061210 | 464 | 589 | 875061210 | 675 | 859 |
| | 700 | 28 | 835071210 | 541 | 688 | 875071210 | 788 | 1002 |
| | 800 | 31 | 835081210 | 618 | 786 | 875081210 | 900 | 1145 |
| | 900 | 35 | 835091210 | 696 | 884 | 875091210 | 1013 | 1288 |
| | 1000 | 39 | 835101210 | 773 | 982 | 875101210 | 1125 | 1431 |
| | 1100 | 43 | 835111210 | 850 | 1080 | 875111210 | 1238 | 1574 |
| | 1200 | 47 | 835121210 | 928 | 1179 | 875121210 | 1350 | 1718 |
| | 1300 | 51 | 835131210 | 1005 | 1277 | 875131210 | 1463 | 1861 |
| | 1400 | 55 | 835141210 | 1082 | 1375 | 875141210 | 1575 | 2004 |
| | 1500 | 59 | 835151210 | 1160 | 1473 | 875151210 | 1688 | 2147 |
| | 1600 | 63 | 835161210 | 1237 | 1571 | 875161210 | 1800 | 2290 |
| | 1800 | 71 | 835181210 | 1391 | 1768 | 875181210 | 2025 | 2576 |
| | 2000 | 79 | 835201210 | 1546 | 1964 | 875201210 | 2250 | 2863 |
| | 2200 | 87 | 835221210 | 1701 | 2161 | 875221210 | 2475 | 3149 |
| | 2400 | 94 | 835241210 | 1855 | 2357 | 875241210 | 2700 | 3435 |
| 2600 | 102 | 835261210 | 2010 | 2554 | 875261210 | 2925 | 3721 | |
| 2800 | 110 | 835281210 | 2164 | 2750 | 875281210 | 3150 | 4008 | |
| 3000 | 118 | 835301210 | 2319 | 2946 | 875301210 | 3375 | 4294 | |

*All inch measurements are nominal

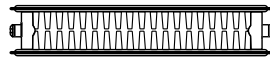
Heat output ΔT50°C mean water temperature of 70°C and room temperature of 20°C.

Heat output ΔT60°C mean water temperature of 80°C and room temperature of 20°C.

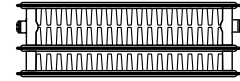
To obtain the article number for the Ventil type, please contact your point of sale.

COMPACT PANEL TECHNICAL DATA SHEET

TYPE 22



TYPE 33



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|--------------------------------------|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|
| | mm | inches | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ |
| 300mm (12") | 400 | 16 | 813041210 | 387 | 491 | 863041210 | 536 | 679 |
| | 500 | 20 | 813051210 | 484 | 614 | 863051210 | 670 | 849 |
| | 600 | 24 | 813061210 | 581 | 737 | 863061210 | 804 | 1019 |
| | 700 | 28 | 813071210 | 678 | 860 | 863071210 | 938 | 1188 |
| | 800 | 31 | 813081210 | 774 | 983 | 863081210 | 1072 | 1358 |
| | 900 | 35 | 813091210 | 871 | 1106 | 863091210 | 1206 | 1528 |
| | 1000 | 39 | 813101210 | 968 | 1229 | 863101210 | 1340 | 1698 |
| | 1100 | 43 | 813111210 | 1065 | 1352 | 863111210 | 1474 | 1867 |
| | 1200 | 47 | 813121210 | 1162 | 1474 | 863121210 | 1608 | 2037 |
| | 1300 | 51 | 813131210 | 1258 | 1597 | 863131210 | 1742 | 2207 |
| | 1400 | 55 | 813141210 | 1355 | 1720 | 863141210 | 1876 | 2377 |
| | 1500 | 59 | 813151210 | 1452 | 1843 | 863151210 | 2010 | 2547 |
| | 1600 | 63 | 813161210 | 1549 | 1966 | 863161210 | 2144 | 2716 |
| | 1800 | 71 | 813181210 | 1742 | 2212 | 863181210 | 2412 | 3056 |
| | 2000 | 79 | 813201210 | 1936 | 2457 | 863201210 | 2680 | 3395 |
| | 2200 | 87 | 813221210 | 2130 | 2703 | 863221210 | 2948 | 3735 |
| | 2400 | 94 | 813241210 | 2323 | 2949 | 863241210 | 3216 | 4075 |
| 2600 | 102 | 813261210 | 2517 | 3195 | 863261210 | 3484 | 4414 | |
| 2800 | 110 | 813281210 | 2710 | 3440 | 863281210 | 3752 | 4754 | |
| 3000 | 118 | 813301210 | 2904 | 3686 | 863301210 | 4020 | 5093 | |
| 400mm (16") | 400 | 16 | 814041210 | 480 | 609 | 864041210 | 661 | 839 |
| | 500 | 20 | 814051210 | 600 | 761 | 864051210 | 826 | 1049 |
| | 600 | 24 | 814061210 | 719 | 914 | 864061210 | 991 | 1258 |
| | 700 | 28 | 814071210 | 839 | 1066 | 864071210 | 1156 | 1468 |
| | 800 | 31 | 814081210 | 959 | 1218 | 864081210 | 1322 | 1678 |
| | 900 | 35 | 814091210 | 1079 | 1370 | 864091210 | 1487 | 1888 |
| | 1000 | 39 | 814101210 | 1199 | 1523 | 864101210 | 1652 | 2097 |
| | 1100 | 43 | 814111210 | 1319 | 1675 | 864111210 | 1817 | 2307 |
| | 1200 | 47 | 814121210 | 1439 | 1827 | 864121210 | 1982 | 2517 |
| | 1300 | 51 | 814131210 | 1559 | 1979 | 864131210 | 2148 | 2727 |
| | 1400 | 55 | 814141210 | 1679 | 2132 | 864141210 | 2313 | 2936 |
| | 1500 | 59 | 814151210 | 1799 | 2284 | 864151210 | 2478 | 3146 |
| | 1600 | 63 | 814161210 | 1918 | 2436 | 864161210 | 2643 | 3356 |
| | 1800 | 71 | 814181210 | 2158 | 2741 | 864181210 | 2974 | 3775 |
| | 2000 | 79 | 814201210 | 2398 | 3045 | 864201210 | 3304 | 4195 |
| | 2200 | 87 | 814221210 | 2638 | 3350 | 864221210 | 3634 | 4614 |
| | 2400 | 94 | 814241210 | 2878 | 3654 | 864241210 | 3965 | 5034 |
| 2600 | 102 | 814261210 | 3117 | 3959 | 864261210 | 4295 | 5453 | |
| 2800 | 110 | 814281210 | 3357 | 4263 | 864281210 | 4626 | 5873 | |
| 3000 | 118 | 814301210 | 3597 | 4568 | 864301210 | 4956 | 6292 | |
| 500mm (20") | 400 | 16 | 815041210 | 570 | 724 | 865041210 | 781 | 994 |
| | 500 | 20 | 815051210 | 713 | 905 | 865051210 | 977 | 1242 |
| | 600 | 24 | 815061210 | 855 | 1086 | 865061210 | 1172 | 1491 |
| | 700 | 28 | 815071210 | 998 | 1267 | 865071210 | 1367 | 1739 |
| | 800 | 31 | 815081210 | 1140 | 1448 | 865081210 | 1562 | 1988 |
| | 900 | 35 | 815091210 | 1283 | 1629 | 865091210 | 1758 | 2236 |
| | 1000 | 39 | 815101210 | 1425 | 1811 | 865101210 | 1953 | 2485 |
| | 1100 | 43 | 815111210 | 1568 | 1992 | 865111210 | 2148 | 2733 |
| | 1200 | 47 | 815121210 | 1710 | 2173 | 865121210 | 2344 | 2982 |
| | 1300 | 51 | 815131210 | 1853 | 2354 | 865131210 | 2539 | 3230 |
| | 1400 | 55 | 815141210 | 1995 | 2535 | 865141210 | 2734 | 3479 |
| | 1500 | 59 | 815151210 | 2138 | 2716 | 865151210 | 2930 | 3727 |
| | 1600 | 63 | 815161210 | 2280 | 2897 | 865161210 | 3125 | 3976 |
| | 1800 | 71 | 815181210 | 2565 | 3259 | 865181210 | 3515 | 4473 |
| | 2000 | 79 | 815201210 | 2850 | 3621 | 865201210 | 3906 | 4970 |
| | 2200 | 87 | 815221210 | 3135 | 3983 | 865221210 | 4297 | 5466 |
| | 2400 | 94 | 815241210 | 3420 | 4345 | 865241210 | 4687 | 5963 |
| 2600 | 102 | 815261210 | 3705 | 4707 | 865261210 | 5078 | 6460 | |
| 2800 | 110 | 815281210 | 3990 | 5069 | 865281210 | 5468 | 6957 | |
| 3000 | 118 | 815301210 | 4275 | 5432 | 865301210 | 5859 | 7454 | |

*All inch measurements are nominal

Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

Heat output $\Delta T60\text{ }^{\circ}\text{C}$ mean water temperature of $80\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

To obtain the article number for the Ventil type, please contact your point of sale.

COMPACT PANEL TECHNICAL DATA SHEET

TYPE 11

TYPE 21



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|-----------------|-----------------|------------------------------|-----------------|-----------------|
| | mm | inches | | $\Delta T50$ °C | $\Delta T60$ °C | | $\Delta T50$ °C | $\Delta T60$ °C |
| 600mm (24") | 400 | 16 | 836041210 | 361 | 459 | 876041210 | 518 | 660 |
| | 500 | 20 | 836051210 | 451 | 573 | 876051210 | 648 | 825 |
| | 600 | 24 | 836061210 | 541 | 688 | 876061210 | 778 | 990 |
| | 700 | 28 | 836071210 | 631 | 803 | 876071210 | 907 | 1156 |
| | 800 | 31 | 836081210 | 722 | 918 | 876081210 | 1037 | 1321 |
| | 900 | 35 | 836091210 | 812 | 1032 | 876091210 | 1166 | 1486 |
| | 1000 | 39 | 836101210 | 902 | 1147 | 876101210 | 1296 | 1651 |
| | 1100 | 43 | 836111210 | 992 | 1262 | 876111210 | 1426 | 1816 |
| | 1200 | 47 | 836121210 | 1082 | 1376 | 876121210 | 1555 | 1981 |
| | 1300 | 51 | 836131210 | 1173 | 1491 | 876131210 | 1685 | 2146 |
| | 1400 | 55 | 836141210 | 1263 | 1606 | 876141210 | 1814 | 2311 |
| | 1500 | 59 | 836151210 | 1353 | 1720 | 876151210 | 1944 | 2476 |
| | 1600 | 63 | 836161210 | 1443 | 1835 | 876161210 | 2074 | 2641 |
| | 1800 | 71 | 836181210 | 1624 | 2064 | 876181210 | 2333 | 2971 |
| | 2000 | 79 | 836201210 | 1804 | 2294 | 876201210 | 2592 | 3302 |
| | 2200 | 87 | 836221210 | 1984 | 2523 | 876221210 | 2851 | 3632 |
| | 2400 | 94 | 836241210 | 2165 | 2753 | 876241210 | 3110 | 3962 |
| | 2600 | 102 | 836261210 | 2345 | 2982 | 876261210 | 3370 | 4292 |
| 2800 | 110 | 836281210 | 2526 | 3211 | 876281210 | 3629 | 4622 | |
| 3000 | 118 | 836301210 | 2706 | 3441 | 876301210 | 3888 | 4952 | |
| 900mm (36") | 400 | 16 | 839041210 | 532 | 677 | 879041210 | 712 | 907 |
| | 500 | 20 | 839051210 | 666 | 846 | 879051210 | 890 | 1134 |
| | 600 | 24 | 839061210 | 799 | 1016 | 879061210 | 1067 | 1361 |
| | 700 | 28 | 839071210 | 932 | 1185 | 879071210 | 1245 | 1587 |
| | 800 | 31 | 839081210 | 1065 | 1354 | 879081210 | 1423 | 1814 |
| | 900 | 35 | 839091210 | 1198 | 1524 | 879091210 | 1601 | 2041 |
| | 1000 | 39 | 839101210 | 1331 | 1693 | 879101210 | 1779 | 2268 |
| | 1100 | 43 | 839111210 | 1464 | 1862 | 879111210 | 1957 | 2495 |
| | 1200 | 47 | 839121210 | 1597 | 2032 | 879121210 | 2135 | 2721 |
| | 1300 | 51 | 839131210 | 1730 | 2201 | 879131210 | 2313 | 2948 |
| | 1400 | 55 | 839141210 | 1863 | 2370 | 879141210 | 2491 | 3175 |
| | 1500 | 59 | 839151210 | 1997 | 2539 | 879151210 | 2669 | 3402 |
| | 1600 | 63 | 839161210 | 2130 | 2709 | 879161210 | 2846 | 3628 |
| | 1800 | 71 | 839181210 | 2396 | 3047 | 879181210 | 3202 | 4082 |
| | 2000 | 79 | 839201210 | 2662 | 3386 | 879201210 | 3558 | 4536 |
| | 2200 | 87 | 839221210 | 2928 | 3725 | 879221210 | 3914 | 4989 |
| | 2400 | 94 | 839241210 | 3194 | 4063 | 879241210 | 4270 | 5443 |
| | 2600 | 102 | 839261210 | 3461 | 4402 | 879261210 | 4625 | 5896 |
| 2800 | 110 | 839281210 | 3727 | 4740 | 879281210 | 4981 | 6350 | |
| 3000 | 118 | 839301210 | 3993 | 5079 | 879301210 | 5337 | 6803 | |

*All inch measurements are nominal

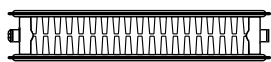
Heat output $\Delta T50$ °C mean water temperature of 70°C and room temperature of 20°C.

Heat output $\Delta T60$ °C mean water temperature of 80°C and room temperature of 20°C.

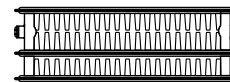
To obtain the article number for the Ventil type, please contact your point of sale.

COMPACT PANEL TECHNICAL DATA SHEET

TYPE 22



TYPE 33



| Height* | Length | | Article No (Compact Type) | Output Watts | | Article No (Compact Type) | Output Watts | |
|----------------|--------|-----------|------------------------------|--------------------------------------|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|
| | mm | inches | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ | | $\Delta T50\text{ }^{\circ}\text{C}$ | $\Delta T60\text{ }^{\circ}\text{C}$ |
| 600mm (24") | 400 | 16 | 816041210 | 660 | 839 | 866041210 | 900 | 1147 |
| | 500 | 20 | 816051210 | 826 | 1049 | 866051210 | 1125 | 1434 |
| | 600 | 24 | 816061210 | 991 | 1259 | 866061210 | 1350 | 1721 |
| | 700 | 28 | 816071210 | 1156 | 1469 | 866071210 | 1575 | 2008 |
| | 800 | 31 | 816081210 | 1321 | 1679 | 866081210 | 1800 | 2295 |
| | 900 | 35 | 816091210 | 1486 | 1889 | 866091210 | 2025 | 2582 |
| | 1000 | 39 | 816101210 | 1651 | 2099 | 866101210 | 2250 | 2869 |
| | 1100 | 43 | 816111210 | 1816 | 2309 | 866111210 | 2475 | 3156 |
| | 1200 | 47 | 816121210 | 1981 | 2518 | 866121210 | 2700 | 3442 |
| | 1300 | 51 | 816131210 | 2146 | 2728 | 866131210 | 2925 | 3729 |
| | 1400 | 55 | 816141210 | 2311 | 2938 | 866141210 | 3150 | 4016 |
| | 1500 | 59 | 816151210 | 2477 | 3148 | 866151210 | 3375 | 4303 |
| | 1600 | 63 | 816161210 | 2642 | 3358 | 866161210 | 3600 | 4590 |
| | 1800 | 71 | 816181210 | 2972 | 3778 | 866181210 | 4050 | 5164 |
| | 2000 | 79 | 816201210 | 3302 | 4197 | 866201210 | 4500 | 5737 |
| | 2200 | 87 | 816221210 | 3632 | 4617 | 866221210 | 4950 | 6311 |
| | 2400 | 94 | 816241210 | 3962 | 5037 | 866241210 | 5400 | 6885 |
| | 2600 | 102 | 816261210 | 4293 | 5457 | 866261210 | 5850 | 7458 |
| 2800 | 110 | 816281210 | 4623 | 5876 | 866281210 | 6300 | 8032 | |
| 3000 | 118 | 816301210 | 4953 | 6296 | 866301210 | 6750 | 8606 | |
| 900mm (36") | 400 | 16 | 819041210 | 939 | 1198 | 869041210 | 1258 | 1602 |
| | 500 | 20 | 819051210 | 1174 | 1498 | 869051210 | 1572 | 2003 |
| | 600 | 24 | 819061210 | 1408 | 1797 | 869061210 | 1886 | 2403 |
| | 700 | 28 | 819071210 | 1643 | 2097 | 869071210 | 2201 | 2804 |
| | 800 | 31 | 819081210 | 1878 | 2396 | 869081210 | 2515 | 3204 |
| | 900 | 35 | 819091210 | 2112 | 2696 | 869091210 | 2830 | 3605 |
| | 1000 | 39 | 819101210 | 2347 | 2995 | 869101210 | 3144 | 4005 |
| | 1100 | 43 | 819111210 | 2582 | 3295 | 869111210 | 3458 | 4406 |
| | 1200 | 47 | 819121210 | 2816 | 3594 | 869121210 | 3773 | 4806 |
| | 1300 | 51 | 819131210 | 3051 | 3894 | 869131210 | 4087 | 5207 |
| | 1400 | 55 | 819141210 | 3286 | 4193 | 869141210 | 4402 | 5608 |
| | 1500 | 59 | 819151210 | 3521 | 4493 | 869151210 | 4716 | 6008 |
| | 1600 | 63 | 819161210 | 3755 | 4792 | 869161210 | 5030 | 6409 |
| | 1800 | 71 | 819181210 | 4225 | 5391 | 869181210 | 5659 | 7210 |
| | 2000 | 79 | 819201210 | 4694 | 5991 | 869201210 | 6288 | 8011 |
| | 2200 | 87 | 819221210 | 5163 | 6590 | 869221210 | 6917 | 8812 |
| | 2400 | 94 | 819241210 | 5633 | 7189 | 869241210 | 7546 | 9613 |
| | 2600 | 102 | 819261210 | 6102 | 7788 | 869261210 | 8174 | 10414 |
| 2800 | 110 | 819281210 | 6572 | 8387 | 869281210 | 8803 | 11215 | |
| 3000 | 118 | 819301210 | 7041 | 8986 | 869301210 | 9432 | 12016 | |

*All inch measurements are nominal

Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

Heat output $\Delta T60\text{ }^{\circ}\text{C}$ mean water temperature of $80\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

To obtain the article number for the Ventil type, please contact your point of sale.

WEIGHTS & WATER CONTENT

PANEL PLUS

| Height | Type | Weight Per Metre Kg | Water Content |
|----------------|---------|---------------------|---------------|
| 300mm (12") | TYPE 11 | 8.9 | 1.6 |
| | TYPE 21 | 14.5 | 3.1 |
| | TYPE 22 | 17.4 | 3.0 |
| | TYPE 33 | 26.1 | 4.5 |
| 400mm (16") | TYPE 11 | 11.9 | 2.0 |
| | TYPE 21 | 19.5 | 4.0 |
| | TYPE 22 | 23.2 | 3.9 |
| | TYPE 33 | 35.6 | 5.9 |
| 500mm (20") | TYPE 11 | 15.0 | 2.5 |
| | TYPE 21 | 24.1 | 4.9 |
| | TYPE 22 | 29.1 | 4.8 |
| | TYPE 33 | 44.0 | 7.3 |
| 600mm (24") | TYPE 11 | 17.9 | 2.9 |
| | TYPE 21 | 28.0 | 5.8 |
| | TYPE 22 | 33.7 | 5.7 |
| | TYPE 33 | 51.2 | 8.7 |
| 900mm (36") | TYPE 11 | 23.9 | 4.2 |
| | TYPE 21 | 43.6 | 8.3 |
| | TYPE 22 | 52.2 | 8.7 |
| | TYPE 33 | 76.2 | 10.2 |

COMPACT PANEL

| Height | Type | Weight Per Metre Kg | Water Content |
|----------------|---------|---------------------|---------------|
| 300mm (12") | TYPE 11 | 8.3 | 1.8 |
| | TYPE 21 | 14.2 | 3.6 |
| | TYPE 22 | 16.2 | 3.7 |
| | TYPE 33 | 24.2 | 5.5 |
| 400mm (16") | TYPE 11 | 11.0 | 2.3 |
| | TYPE 21 | 18.7 | 4.6 |
| | TYPE 22 | 21.7 | 4.7 |
| | TYPE 33 | 32.2 | 7.0 |
| 500mm (20") | TYPE 11 | 13.7 | 2.8 |
| | TYPE 21 | 23.2 | 5.7 |
| | TYPE 22 | 27.3 | 5.8 |
| | TYPE 33 | 40.1 | 8.5 |
| 600mm (24") | TYPE 11 | 16.4 | 3.3 |
| | TYPE 21 | 27.7 | 6.7 |
| | TYPE 22 | 32.8 | 6.8 |
| | TYPE 33 | 48.7 | 9.1 |
| 900mm (36") | TYPE 11 | 26.9 | 4.8 |
| | TYPE 21 | 43.6 | 9.6 |
| | TYPE 22 | 52.7 | 9.7 |
| | TYPE 33 | 73.4 | 13.9 |

MONZA 25 mm TECHNICAL DATA SHEET

| Height | Length | | Weight | Water Content | $\Delta T 50^{\circ}\text{C}$ | |
|----------------|--------|--------|--------|---------------|-------------------------------|--------|
| | mm | Inches | | | Output | Output |
| | | | | | Watts | BTUs |
| 300mm (12") | 500 | 20 | 9.9 | 1.6 | 489 | 1667 |
| | 1000 | 39 | 19.8 | 3.3 | 978 | 3335 |
| | 1400 | 55 | 27.7 | 4.6 | 1369 | 4669 |
| | 2000 | 79 | 39.5 | 6.5 | 1956 | 6670 |
| 400mm (16") | 400 | 16 | 10.5 | 1.6 | 488 | 1665 |
| | 600 | 24 | 15.8 | 2.4 | 733 | 2498 |
| | 800 | 32 | 21.1 | 3.3 | 977 | 3331 |
| | 1000 | 39 | 26.3 | 4.1 | 1221 | 4164 |
| | 1200 | 47 | 31.6 | 4.9 | 1465 | 4996 |
| | 1400 | 55 | 36.9 | 5.7 | 1709 | 5829 |
| | 1600 | 63 | 42.1 | 6.5 | 1954 | 6662 |
| | 1800 | 71 | 47.4 | 7.3 | 2198 | 7494 |
| | 2000 | 79 | 52.7 | 8.2 | 2442 | 8327 |
| 500mm (20") | 400 | 16 | 13.2 | 2.0 | 581 | 1981 |
| | 600 | 24 | 19.8 | 3.0 | 871 | 2971 |
| | 800 | 32 | 26.3 | 3.9 | 1162 | 3961 |
| | 1000 | 39 | 32.9 | 4.9 | 1452 | 4951 |
| | 1200 | 47 | 39.5 | 5.9 | 1742 | 5942 |
| | 1400 | 55 | 46.1 | 6.9 | 2033 | 6932 |
| | 1600 | 63 | 52.7 | 7.9 | 2323 | 7922 |
| | 1800 | 71 | 59.3 | 8.9 | 2614 | 8912 |
| | 2000 | 79 | 65.8 | 9.8 | 2904 | 9903 |
| 600mm (24") | 400 | 16 | 15.8 | 2.3 | 670 | 2283 |
| | 600 | 24 | 23.7 | 3.5 | 1004 | 3425 |
| | 800 | 32 | 31.6 | 4.6 | 1339 | 4567 |
| | 1000 | 39 | 39.5 | 5.75 | 1674 | 5708 |
| | 1200 | 47 | 47.4 | 6.9 | 2009 | 6850 |
| | 1400 | 55 | 55.3 | 8.1 | 2344 | 7992 |
| | 1600 | 63 | 63.2 | 9.2 | 2678 | 9133 |
| | 1800 | 71 | 71.1 | 10.4 | 3013 | 10275 |
| | 2000 | 79 | 79.0 | 11.5 | 3348 | 11417 |
| 900mm (35") | 400 | 16 | 23.9 | 3.5 | 922 | 3143 |
| | 600 | 24 | 35.9 | 5.2 | 1382 | 4714 |
| | 800 | 32 | 47.8 | 7.0 | 1843 | 6285 |
| | 1000 | 39 | 59.8 | 8.7 | 2304 | 7857 |
| | 1200 | 47 | 71.8 | 10.4 | 2765 | 9428 |
| | 1400 | 55 | 83.7 | 12.2 | 3226 | 10999 |
| | 1600 | 63 | 95.7 | 13.9 | 3686 | 12571 |
| | 1800 | 71 | 107.6 | 15.7 | 4147 | 14142 |
| | 2000 | 79 | 119.6 | 17.4 | 4608 | 15713 |

TOWEL WARMERS TECHNICAL DATA SHEET

| Product Name | Finish | Article No. | Dimensions | | C/C Tappings mm | Profile | Nominal Heat Emission Watts |
|--------------|--------------|-------------|------------|-----------|-----------------|--------------------|-----------------------------|
| | | | Length mm | Height mm | | | |
| Bodrum | Powder White | 3921000407 | 400 | 700 | 356 | D-Profile 30x40 mm | 259 |
| Bodrum | Powder White | 3921000408 | 400 | 800 | 356 | D-Profile 30x40 mm | 283 |
| Bodrum | Powder White | 3921000410 | 400 | 1000 | 356 | D-Profile 30x40 mm | 342 |
| Bodrum | Powder White | 3921000411 | 400 | 1100 | 356 | D-Profile 30x40 mm | 372 |
| Bodrum | Powder White | 3921000412 | 400 | 1200 | 356 | D-Profile 30x40 mm | 402 |
| Bodrum | Powder White | 3921010418 | 400 | 1800 | 356 | D-Profile 30x40 mm | 619 |
| Bodrum | Powder White | 3921000507 | 500 | 700 | 456 | D-Profile 30x40 mm | 311 |
| Bodrum | Powder White | 3921000508 | 500 | 800 | 456 | D-Profile 30x40 mm | 338 |
| Bodrum | Powder White | 3921000510 | 500 | 1000 | 456 | D-Profile 30x40 mm | 407 |
| Bodrum | Powder White | 3921000511 | 500 | 1100 | 456 | D-Profile 30x40 mm | 444 |
| Bodrum | Powder White | 3921000512 | 500 | 1200 | 456 | D-Profile 30x40 mm | 480 |
| Bodrum | Powder White | 3921010515 | 500 | 1500 | 456 | D-Profile 30x40 mm | 603 |
| Bodrum | Powder White | 3921010518 | 500 | 1800 | 456 | D-Profile 30x40 mm | 735 |
| Bodrum | Powder White | 3921000607 | 600 | 700 | 556 | D-Profile 30x40 mm | 362 |
| Bodrum | Powder White | 3921000608 | 600 | 800 | 556 | D-Profile 30x40 mm | 394 |
| Bodrum | Powder White | 3921000610 | 600 | 1000 | 556 | D-Profile 30x40 mm | 472 |
| Bodrum | Powder White | 3921010611 | 600 | 1100 | 556 | D-Profile 30x40 mm | 517 |
| Bodrum | Powder White | 3921000612 | 600 | 1200 | 556 | D-Profile 30x40 mm | 557 |
| Bodrum | Powder White | 3921010615 | 600 | 1500 | 556 | D-Profile 30x40 mm | 705 |
| Bodrum | Powder White | 3921010618 | 600 | 1800 | 556 | D-Profile 30x40 mm | 854 |
| Bodrum | Chrome | 4021010407 | 400 | 700 | 356 | D-Profile 30x40 mm | 166 |
| Bodrum | Chrome | 4021010408 | 400 | 800 | 356 | D-Profile 30x40 mm | 177 |
| Bodrum | Chrome | 4021000412 | 400 | 1200 | 356 | D-Profile 30x40 mm | 260 |
| Bodrum | Chrome | 4021010418 | 400 | 1800 | 356 | D-Profile 30x40 mm | 407 |
| Bodrum | Chrome | 4021000507 | 500 | 700 | 456 | D-Profile 30x40 mm | 202 |
| Bodrum | Chrome | 4021000508 | 500 | 800 | 456 | D-Profile 30x40 mm | 218 |
| Bodrum | Chrome | 4021000510 | 500 | 1000 | 456 | D-Profile 30x40 mm | 267 |
| Bodrum | Chrome | 4021000511 | 500 | 1100 | 456 | D-Profile 30x40 mm | 291 |
| Bodrum | Chrome | 4021000512 | 500 | 1200 | 456 | D-Profile 30x40 mm | 315 |
| Bodrum | Chrome | 4021010515 | 500 | 1500 | 456 | D-Profile 30x40 mm | 400 |
| Bodrum | Chrome | 4021010518 | 500 | 1800 | 456 | D-Profile 30x40 mm | 484 |
| Bodrum | Chrome | 4021000607 | 600 | 700 | 556 | D-Profile 30x40 mm | 239 |
| Bodrum | Chrome | 4021000610 | 600 | 1000 | 556 | D-Profile 30x40 mm | 314 |
| Bodrum | Chrome | 4021000611 | 600 | 1100 | 556 | D-Profile 30x40 mm | 342 |
| Bodrum | Chrome | 4021000612 | 600 | 1200 | 556 | D-Profile 30x40 mm | 370 |
| Bodrum | Chrome | 4021010615 | 600 | 1500 | 556 | D-Profile 30x40 mm | 472 |
| Bodrum | Chrome | 4021010618 | 600 | 1800 | 556 | D-Profile 30x40 mm | 574 |

TOWEL WARMERS TECHNICAL DATA SHEET

| Product Name | Finish | Article No. | Dimensions | | C/C Tappings mm | Profile | Nominal Heat Emission Watts |
|--------------|--------------|-------------|------------|-----------|-----------------|--------------------|-----------------------------|
| | | | Length mm | Height mm | | | |
| Marmaris | Powder White | 3922010407 | 400 | 700 | 356 | D-Profile 30x40 mm | 259 |
| Marmaris | Powder White | 3922000408 | 400 | 800 | 356 | D-Profile 30x40 mm | 283 |
| Marmaris | Powder White | 3922010412 | 400 | 1200 | 356 | D-Profile 30x40 mm | 402 |
| Marmaris | Powder White | 3922010418 | 400 | 1800 | 356 | D-Profile 30x40 mm | 619 |
| Marmaris | Powder White | 3922000507 | 496 | 700 | 452 | D-Profile 30x40 mm | 311 |
| Marmaris | Powder White | 3922000510 | 496 | 1000 | 452 | D-Profile 30x40 mm | 407 |
| Marmaris | Powder White | 3922010511 | 496 | 900 | 452 | D-Profile 30x40 mm | 444 |
| Marmaris | Powder White | 3922000512 | 496 | 1200 | 452 | D-Profile 30x40 mm | 480 |
| Marmaris | Powder White | 3922010515 | 496 | 1500 | 452 | D-Profile 30x40 mm | 603 |
| Marmaris | Powder White | 3922010518 | 496 | 1800 | 452 | D-Profile 30x40 mm | 735 |
| Marmaris | Powder White | 3922000607 | 596 | 700 | 552 | D-Profile 30x40 mm | 362 |
| Marmaris | Powder White | 3922000610 | 596 | 1000 | 552 | D-Profile 30x40 mm | 472 |
| Marmaris | Powder White | 3922010611 | 596 | 900 | 552 | D-Profile 30x40 mm | 517 |
| Marmaris | Powder White | 3922000612 | 596 | 1200 | 552 | D-Profile 30x40 mm | 557 |
| Marmaris | Powder White | 3922010615 | 596 | 1500 | 552 | D-Profile 30x40 mm | 705 |
| Marmaris | Powder White | 3922010618 | 596 | 1800 | 552 | D-Profile 30x40 mm | 854 |
| Marmaris | Chrome | 4022010407 | 400 | 700 | 356 | D-Profile 30x40 mm | 259 |
| Marmaris | Chrome | 4022010412 | 400 | 1200 | 356 | D-Profile 30x40 mm | 402 |
| Marmaris | Chrome | 4022010418 | 400 | 1800 | 356 | D-Profile 30x40 mm | 619 |
| Marmaris | Chrome | 4022000507 | 496 | 700 | 452 | D-Profile 30x40 mm | 311 |
| Marmaris | Chrome | 4022000510 | 496 | 1000 | 452 | D-Profile 30x40 mm | 407 |
| Marmaris | Chrome | 4022010511 | 496 | 900 | 452 | D-Profile 30x40 mm | 444 |
| Marmaris | Chrome | 4022000512 | 496 | 1200 | 452 | D-Profile 30x40 mm | 480 |
| Marmaris | Chrome | 4022010515 | 496 | 1500 | 452 | D-Profile 30x40 mm | 603 |
| Marmaris | Chrome | 4022010518 | 496 | 1800 | 452 | D-Profile 30x40 mm | 735 |
| Marmaris | Chrome | 4022000607 | 596 | 700 | 552 | D-Profile 30x40 mm | 362 |
| Marmaris | Chrome | 4022000610 | 596 | 1000 | 552 | D-Profile 30x40 mm | 472 |
| Marmaris | Chrome | 4022010611 | 596 | 900 | 552 | D-Profile 30x40 mm | 517 |
| Marmaris | Chrome | 4022000612 | 596 | 1200 | 552 | D-Profile 30x40 mm | 557 |
| Marmaris | Chrome | 4022010615 | 596 | 1500 | 552 | D-Profile 30x40 mm | 705 |
| Marmaris | Chrome | 4022010618 | 596 | 1800 | 552 | D-Profile 30x40 mm | 854 |

CAST IRON RADIAOR TECHNICAL DATA SHEET

| CAST IRON RADIAOR | Model | Columns | Height (A) (mm) | Tapping Centers (B) (mm) | Depth (C) (mm) | Width (D) (mm) | Nipple (inch) | Heating Surface Area (m ²) | Water Content (lt) | Maximum Working Pressure (bar) | Maximum Working Temperature (with Manila) (C) | Maximum Working Temperature (with Sil) (C) | Heat Output of Element (W) | Heat Output of Element (kcal/h) | NF Certified |
|-------------------|--------------|---------|-----------------|--------------------------|----------------|----------------|---------------|--|--------------------|--------------------------------|---|--|----------------------------|---------------------------------|--------------|
| COLUMN | 4/28 | 4 | 300 | 200 | 144 | 60 | 1" 1/4 | 0,098 | 0,55 | 7 | 110 | 130 | 46,5 | 40,0 | *** |
| | 4/28 F | 4 | 355 | 200 | 144 | 60 | 1" 1/4 | 0,111 | 0,55 | 7 | 110 | 130 | 46,5 | 40,0 | *** |
| | 4/45 | 4 | 415 | 315 | 144 | 60 | 1" 1/4 | 0,144 | 0,67 | 7 | 110 | 130 | 62,4 | 53,7 | *** |
| | 4/45 F | 4 | 475 | 315 | 144 | 60 | 1" 1/4 | 0,157 | 0,67 | 7 | 110 | 130 | 62,4 | 53,7 | *** |
| | 4/65 | 4 | 598,5 | 500 | 144 | 60 | 1" 1/4 | 0,210 | 0,89 | 7 | 110 | 130 | 87,4 | 75,2 | NF 047/180 |
| | 4/65 F | 4 | 655 | 500 | 144 | 60 | 1" 1/4 | 0,222 | 0,89 | 7 | 110 | 110 | 87,4 | 75,2 | NF 047/180 |
| | 4/75 | 4 | 702 | 602 | 144 | 60 | 1" 1/4 | 0,245 | 0,96 | 7 | 110 | 110 | 100,8 | 86,7 | NF 047/180 |
| | 4/75 F | 4 | 762 | 602 | 144 | 60 | 1" 1/4 | 0,257 | 0,96 | 7 | 110 | 110 | 100,8 | 86,7 | NF 047/180 |
| | 4/95 | 4 | 900 | 800 | 144 | 60 | 1" 1/4 | 0,320 | 1,16 | 7 | 110 | 110 | 124,9 | 107,4 | NF 047/180 |
| | 4/95 F | 4 | 955 | 800 | 144 | 60 | 1" 1/4 | 0,332 | 1,16 | 7 | 110 | 110 | 124,9 | 107,4 | NF 047/180 |
| | 6/48 | 6 | 425 | 350 | 221 | 60 | 1" 1/4 | 0,230 | 0,80 | 7 | 110 | 110 | 94,1 | 80,9 | *** |
| | 6/48 F | 6 | 485 | 350 | 221 | 60 | 1" 1/4 | 0,243 | 0,80 | 7 | 110 | 110 | 94,1 | 80,9 | *** |
| | 6/65 | 6 | 600 | 500 | 221 | 60 | 1" 1/4 | 0,320 | 1,22 | 7 | 110 | 110 | 126,6 | 108,9 | NF 047/180 |
| | 6/65 F | 6 | 655 | 500 | 221 | 60 | 1" 1/4 | 0,333 | 1,22 | 7 | 110 | 110 | 126,6 | 108,9 | NF 047/180 |
| | 6/75 | 6 | 702 | 602 | 221 | 60 | 1" 1/4 | 0,360 | 1,35 | 7 | 110 | 110 | 147,8 | 127,1 | NF 047/180 |
| | 6/75 F | 6 | 762 | 602 | 221 | 60 | 1" 1/4 | 0,372 | 1,35 | 7 | 110 | 110 | 147,8 | 127,1 | NF 047/180 |
| 6/95 | 6 | 900 | 800 | 221 | 60 | 1" 1/4 | 0,484 | 1,50 | 7 | 110 | 110 | 184,1 | 158,3 | NF 047/180 | |
| 6/95 F | 6 | 960 | 800 | 221 | 60 | 1" 1/4 | 0,495 | 1,50 | 7 | 110 | 110 | 184,1 | 158,3 | NF 047/180 | |
| PER COLUMN | 200/250 | 6 | 280 | 200 | 250 | 60 | 1" 1/4 | 0,185 | 0,94 | 7 | 110 | 130 | 71,6 | 61,6 | *** |
| | 350/70 | 2 | 430 | 350 | 70 | 60 | 1" 1/4 | 0,120 | 0,50 | 7 | 110 | 130 | *** | *** | *** |
| | 350/70 F | 2 | 483 | 350 | 70 | 60 | 1" 1/4 | 0,136 | 0,50 | 7 | 110 | 130 | *** | *** | *** |
| | 350/160 | 4 | 430 | 350 | 160 | 60 | 1" 1/4 | 0,185 | 0,80 | 7 | 110 | 130 | 70,4 | 60,5 | *** |
| | 350/220 | 5 | 430 | 350 | 220 | 60 | 1" 1/4 | 0,255 | 1,00 | 7 | 110 | 130 | 96,0 | 82,6 | *** |
| | 500/70 | 2 | 580 | 500 | 70 | 60 | 1" 1/4 | 0,120 | 0,56 | 7 | 110 | 130 | 53,5 | 46,0 | *** |
| | 500/70 F | 2 | 633 | 500 | 70 | 60 | 1" 1/4 | 0,120 | 0,56 | 7 | 110 | 130 | *** | *** | *** |
| | 500/110 | 3 | 580 | 500 | 110 | 60 | 1" 1/4 | 0,180 | 0,76 | 7 | 110 | 130 | 70,7 | 60,8 | *** |
| | 500/160 | 4 | 580 | 500 | 160 | 60 | 1" 1/4 | 0,136 | 0,85 | 7 | 110 | 130 | 88,2 | 75,9 | *** |
| | 500/160 F | 4 | 645 | 500 | 160 | 60 | 1" 1/4 | 0,240 | 0,85 | 7 | 110 | 130 | *** | *** | *** |
| | 500/220 | 5 | 580 | 500 | 220 | 60 | 1" 1/4 | 0,345 | 1,10 | 7 | 110 | 130 | 123,6 | 106,3 | *** |
| | 600/70 | 2 | 680 | 600 | 70 | 60 | 1" 1/4 | 0,144 | 0,60 | 7 | 110 | 130 | *** | *** | *** |
| | 600/70 F | 2 | 733 | 600 | 70 | 60 | 1" 1/4 | 0,163 | 0,60 | 7 | 110 | 130 | *** | *** | *** |
| | 600/160 | 4 | 680 | 600 | 160 | 60 | 1" 1/4 | 0,290 | 1,00 | 7 | 110 | 130 | *** | *** | *** |
| | 900/70 | 2 | 980 | 900 | 70 | 60 | 1" 1/4 | 0,232 | 0,80 | 7 | 110 | 130 | 86,0 | 74,0 | *** |
| | 900/70.F | 2 | 1033 | 900 | 70 | 60 | 1" 1/4 | 0,205 | 0,80 | 7 | 110 | 130 | 86,0 | 74,0 | *** |
| 900/160 | 4 | 970 | 900 | 160 | 60 | 1" 1/4 | 0,410 | 1,30 | 7 | 110 | 130 | 142,6 | 122,6 | *** | |
| 900/220 | 5 | 980 | 900 | 220 | 60 | 1" 1/4 | 0,580 | 1,88 | 7 | 110 | 130 | 202,0 | 173,7 | *** | |
| RIDEM | 2/813 | 2 | 885 | 813 | 62,4 | 60 | 1" | 0,240 | 0,77 | 7 | 110 | 130 | 81,9 | 70,4 | NF 047/180 |
| | 3/350 | 3 | 422 | 350 | 98,2 | 60 | 1" | 0,145 | 0,66 | 7 | 110 | 130 | 59,3 | 51,0 | *** |
| | 3/500 | 3 | 572 | 500 | 98,2 | 60 | 1" | 0,200 | 0,78 | 7 | 110 | 130 | 75,0 | 64,5 | NF 047/180 |
| | 3/623 | 3 | 694 | 623 | 98,2 | 60 | 1" | 0,240 | 0,94 | 7 | 110 | 130 | 90,4 | 77,7 | NF 047/180 |
| | 3/813 | 3 | 885 | 813 | 98,2 | 60 | 1" | 0,310 | 1,13 | 7 | 110 | 130 | 111,6 | 96,0 | NF 047/180 |
| | 4/500 | 4 | 572 | 500 | 134 | 60 | 1" | 0,240 | 1,00 | 7 | 110 | 130 | 94,7 | 81,4 | NF 047/180 |
| | 4/623 | 4 | 695 | 623 | 134 | 60 | 1" | 0,310 | 1,22 | 7 | 110 | 130 | 114,0 | 98,0 | NF 047/180 |
| | 4/813 | 4 | 884 | 813 | 134 | 60 | 1" | 0,400 | 1,46 | 7 | 110 | 130 | 139,2 | 119,7 | NF 047/180 |
| | 5/623 | 5 | 695 | 623 | 170 | 60 | 1" | 0,380 | 1,46 | 7 | 110 | 130 | 138,2 | 118,9 | NF 047/180 |
| 5/813 | 5 | 885 | 813 | 170 | 60 | 1" | 0,490 | 1,68 | 7 | 110 | 130 | 167,4 | 144,0 | NF 047/180 | |
| RIDEM 2 | 3/500 | 3 | 563 | 500 | 96 | 60 | 1" | 0,180 | 0,57 | 7 | 110 | 130 | 74,8 | 64,3 | NF 047/180 |
| | 3/623 | 3 | 690 | 623 | 96 | 60 | 1" | 0,220 | 0,76 | 7 | 110 | 130 | 89,9 | 77,3 | NF 047/180 |
| | 3/813 | 3 | 876 | 813 | 96 | 60 | 1" | 0,280 | 0,90 | 7 | 110 | 130 | 112,0 | 96,3 | NF 047/180 |
| | 4/500 | 4 | 563 | 500 | 132 | 60 | 1" | 0,220 | 0,79 | 7 | 110 | 130 | 90,7 | 78,0 | NF 047/180 |
| | 4/623 | 4 | 690 | 623 | 132 | 60 | 1" | 0,260 | 0,89 | 7 | 110 | 130 | 110,1 | 94,7 | NF 047/180 |
| | 4/813 | 4 | 876 | 813 | 132 | 60 | 1" | 0,330 | 1,05 | 7 | 110 | 130 | 137,3 | 118,1 | NF 047/180 |
| NOSTALGIA | 350/180 | 2 | 450 | 350 | 184,5 | 76 | 1" 1/4 | 0,196 | 1,83 | 9 | 110 | 130 | 73,5 | 63,2 | *** |
| | 350/180 Foot | 2 | 510 | 350 | 184,5 | 76 | 1" 1/4 | 0,220 | 1,83 | 9 | 110 | 130 | *** | *** | *** |
| | 500/180 | 2 | 600 | 500 | 184,5 | 76 | 1" 1/4 | 0,256 | 2,18 | 9 | 110 | 130 | 105,4 | 90,6 | NF 047/180 |
| | 500/180 Foot | 2 | 660 | 500 | 184,5 | 76 | 1" 1/4 | 0,280 | 2,18 | 9 | 110 | 130 | *** | *** | *** |
| | 600/180 | 2 | 700 | 600 | 184,5 | 76 | 1" 1/4 | 0,289 | 2,64 | 9 | 110 | 130 | 120,3 | 103,5 | NF 047/180 |
| | 600/180 Foot | 2 | 760 | 600 | 184,5 | 76 | 1" 1/4 | 0,313 | 2,64 | 9 | 110 | 130 | *** | *** | *** |
| | 800/180 | 2 | 895 | 795 | 184,5 | 76 | 1" 1/4 | 0,388 | 3,35 | 9 | 110 | 130 | 148,1 | 127,4 | NF 047/180 |
| | 800/180 Foot | 2 | 955 | 795 | 184,5 | 76 | 1" 1/4 | 0,402 | 3,35 | 9 | 110 | 130 | *** | *** | *** |

 **DemirDöküm**