

HEATING & COOLING SYSTEMS

WALL HUNG BOILERS

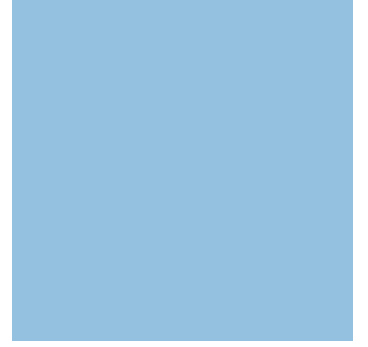
RADIATORS

WATER HEATERS

CENTRAL HEATING SYSTEMS

AIR CONDITIONERS





WALL HUNG BOILERS	5
RADIATORS	15
WATER HEATERS	25
SOLAR SYSTEMS	33
CENTRAL HEATING SYSTEMS	37
AIR CONDITIONERS	45
TECHNICAL SPECIFICATIONS	47



Bahçelievler Mah. Bosna Bulvarı No:146 34688 Çengelköy - Üsküdar / İstanbul
Tel: +90 216 516 20 00 Fax: +90 216 516 20 07 info@demirdokum.com.tr www.demirdokum.com.tr

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.

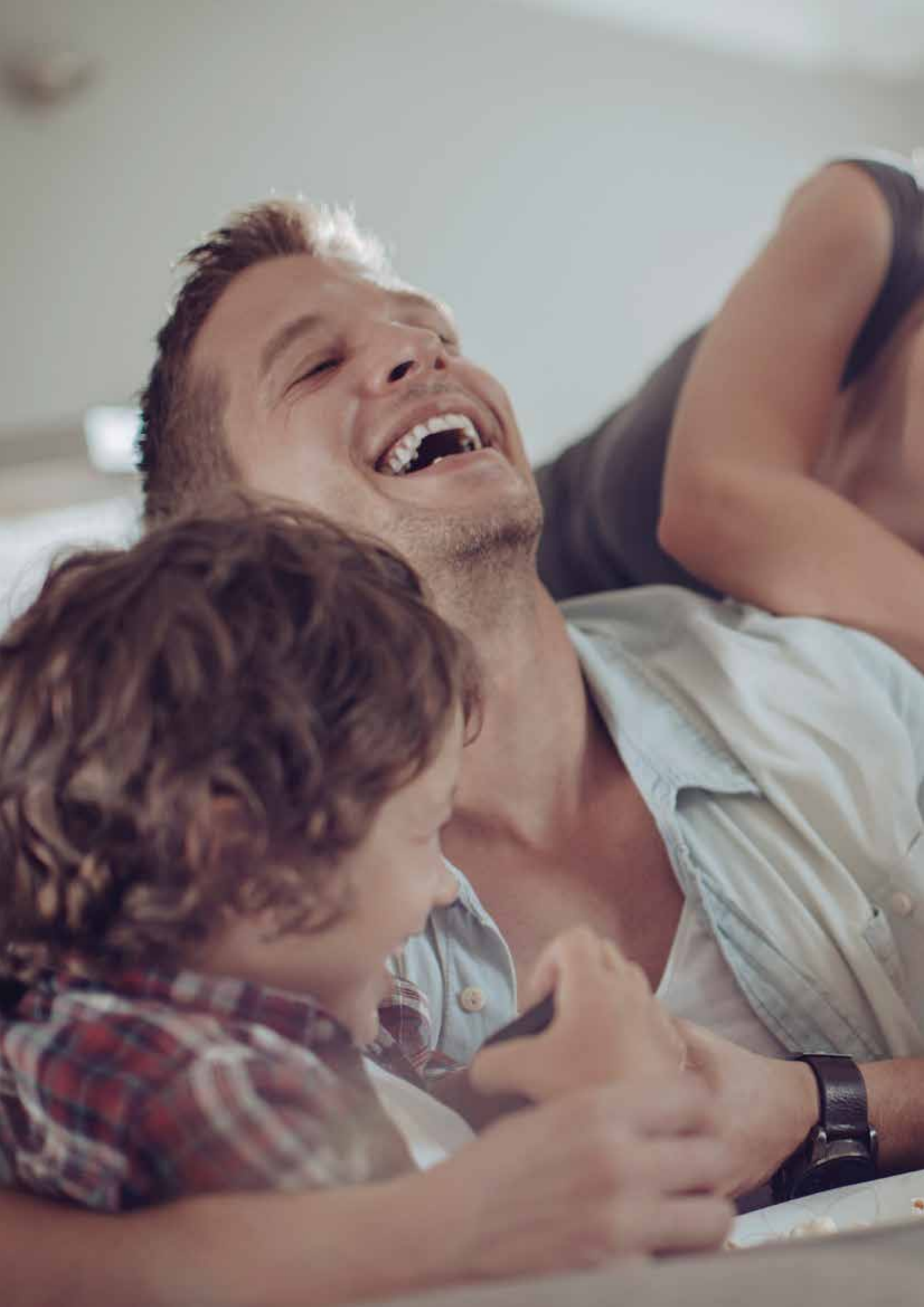
Always the 'FIRST'

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.

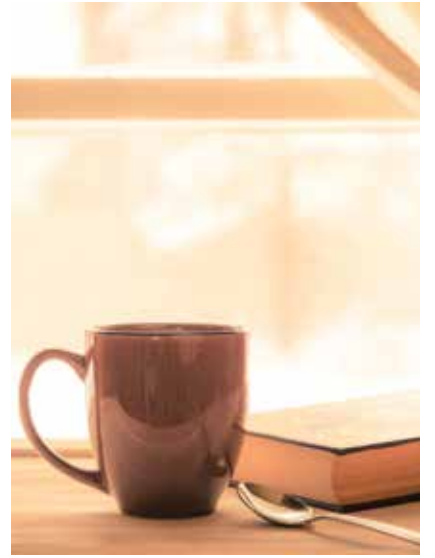
R&D Center

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 type		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 109%	MAXIMUM OPERATING PRESSURE 3 BAR	OUTPUT - kW 37	CONTROL SYSTEM 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



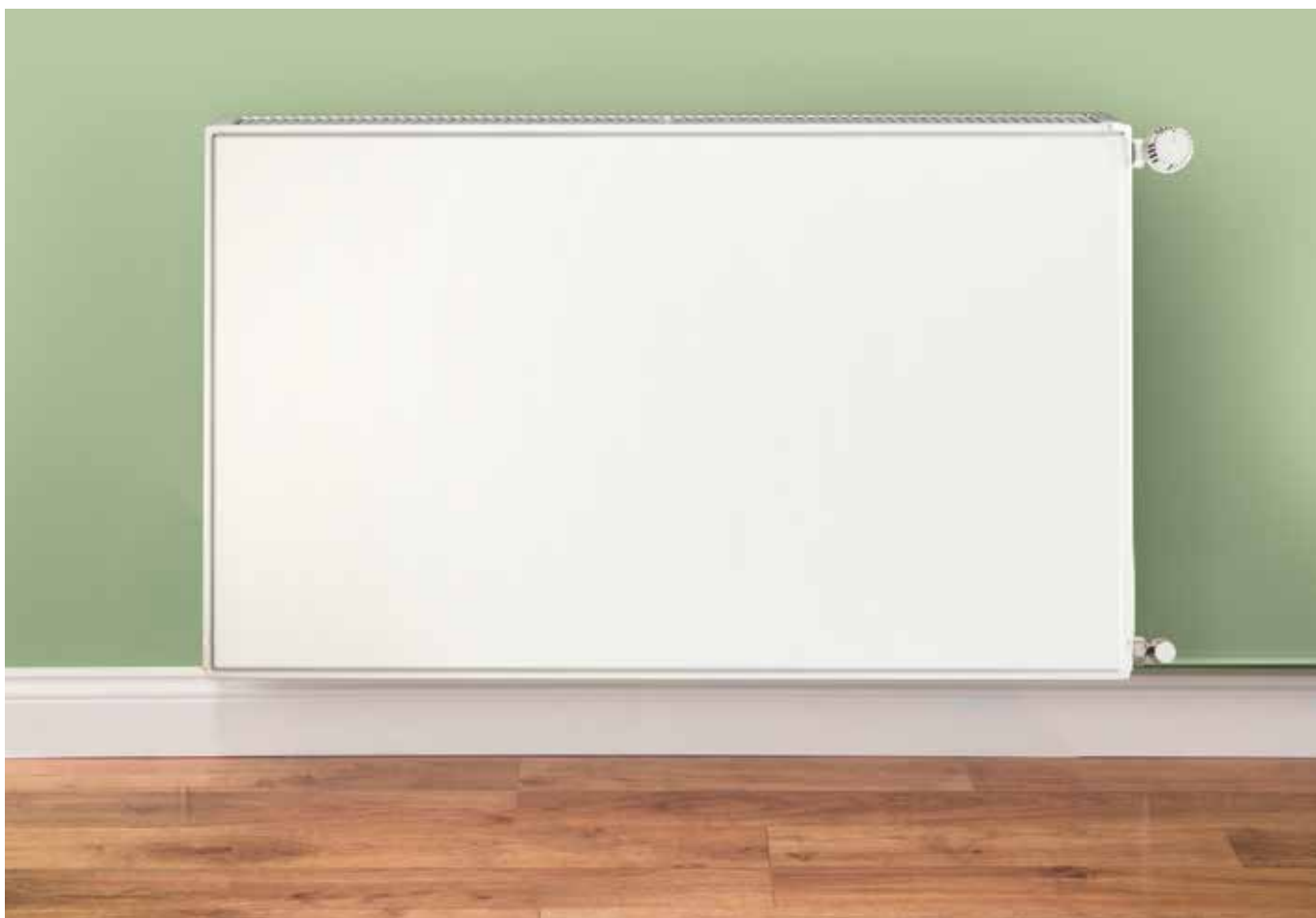
FEATURES:

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.

.....

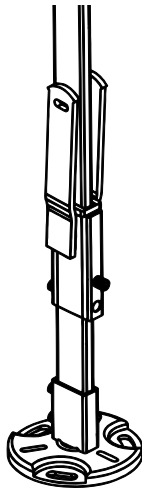
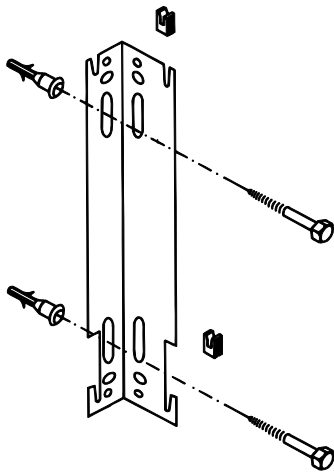
ACCESSORIES

Below is a list of the other accessories available:

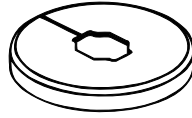
- > Return valves
- > Automatic air bleed valve
- > Thermostatic regulator
- > Universal floor bracket
- > Cast Iron feet



RADIATOR ACCESSORIES



Foot Cover



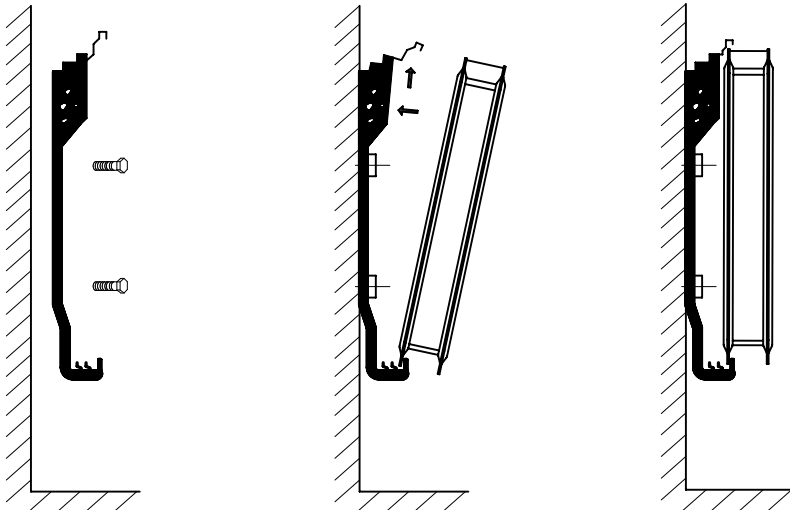
Bracket Cover



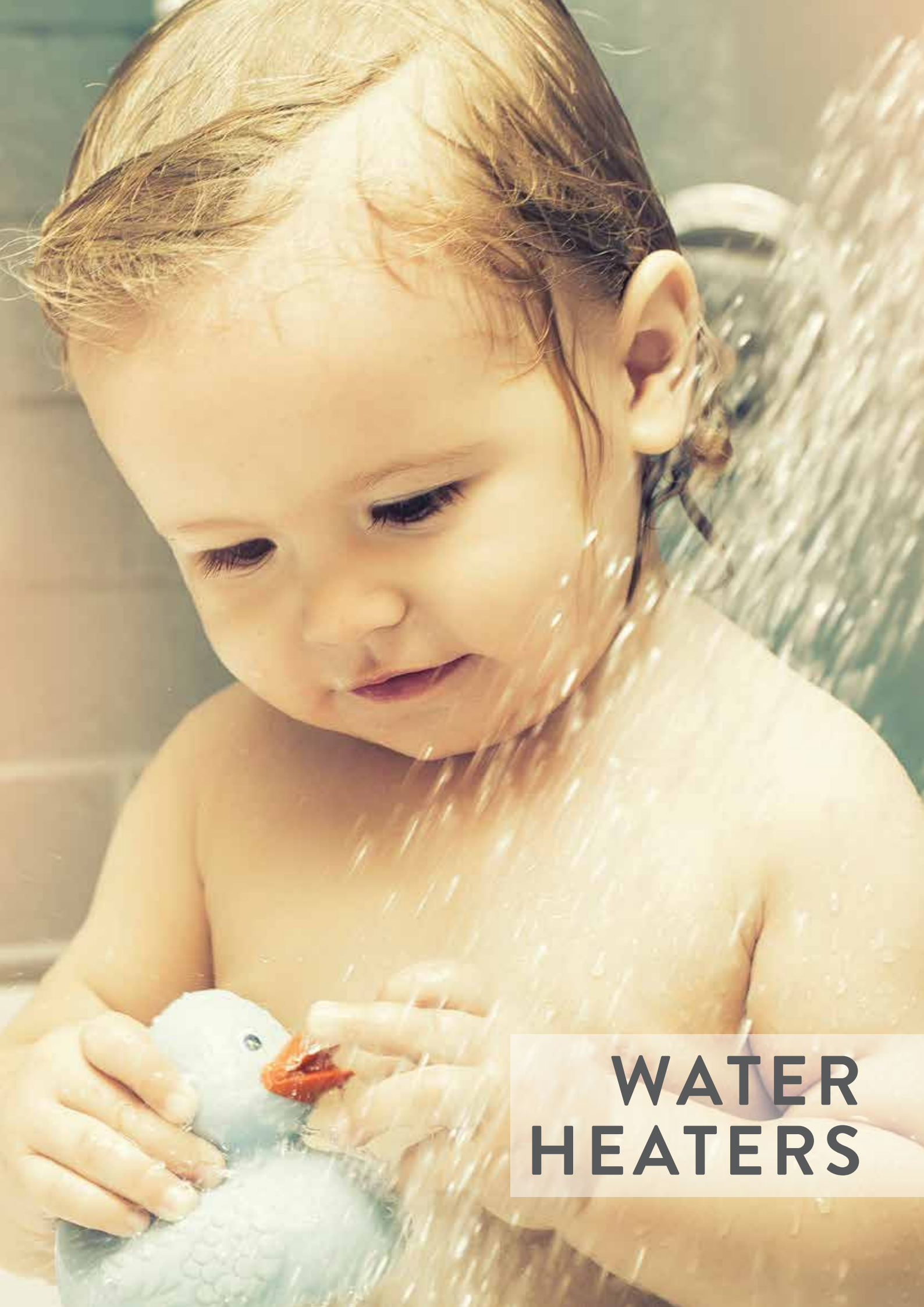
Wall Brackets (each)	
Product	Height mm
XB430	300/400
XB500	500
XB600	600
XB750	750
XB900	900

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

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	TYPES	HEATING POWER	OPERATING PRESSURE
3	2	1800W-1800+1200W	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

4

HEATING POWER

1800W

OPERATING PRESSURE

6 BAR

TEMPERATURE CONTROL

MECHANICAL

	DT4 CYLINDRICAL				
	lt	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



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

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



**SOLAR
SYSTEMS**

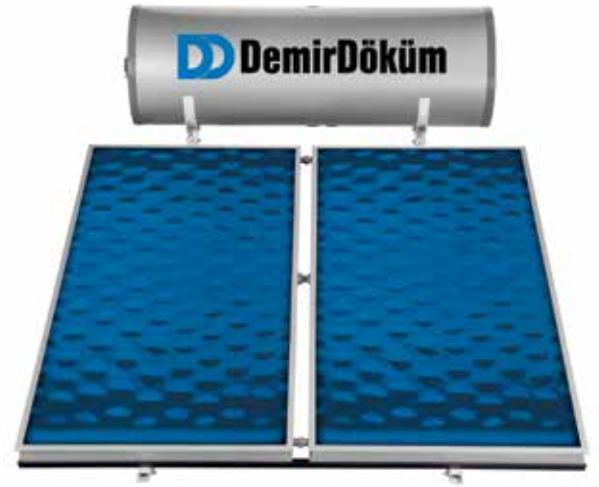


LYKIA

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
ENAM-
ELLED

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



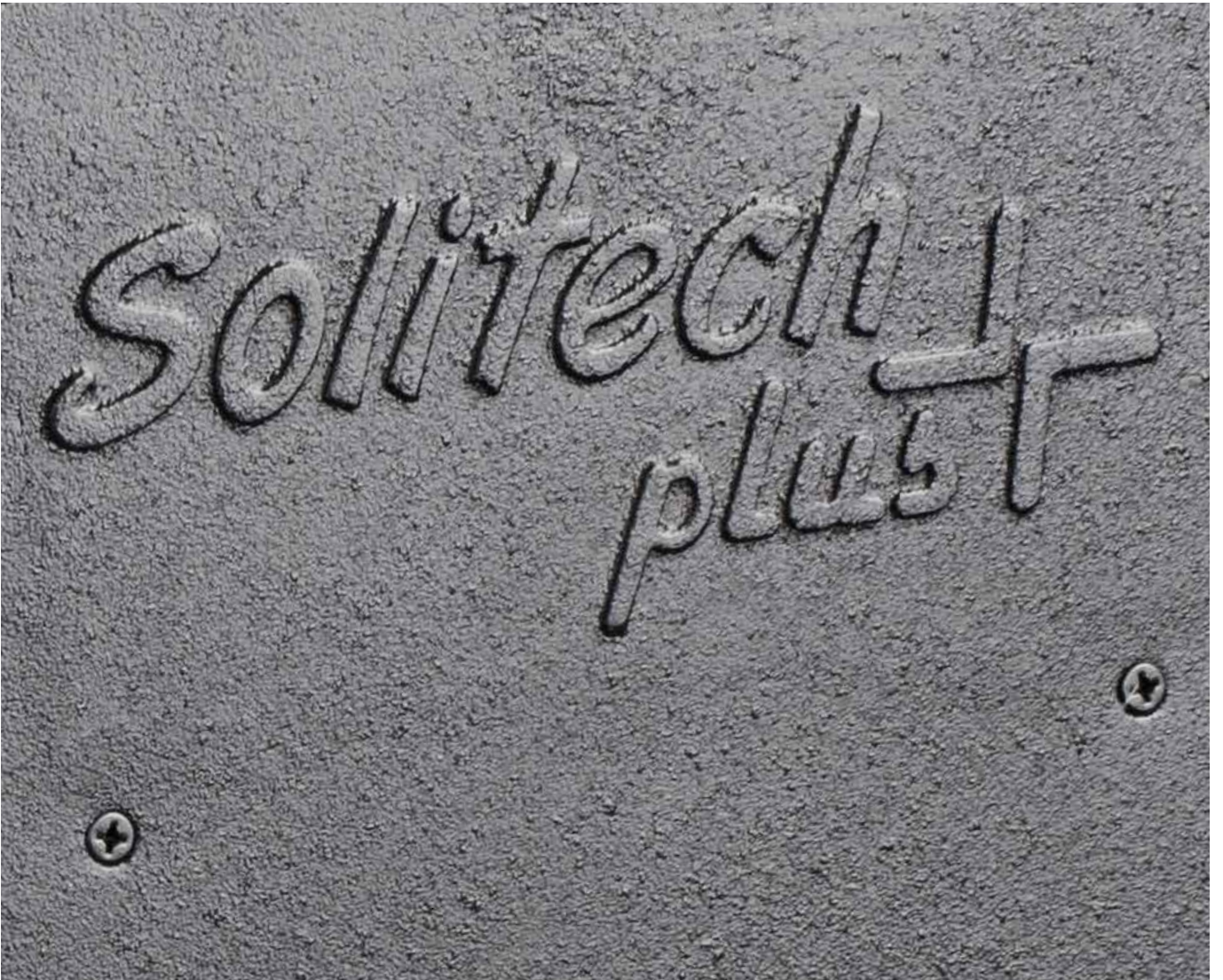
FEATURES:

NUMBER OF TUBES	STORAGE UNIT	STORAGE MATERIAL
24-30	DOUBLE	STAINLESS 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



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

6

MAXIMUM OPERATING PRESSURE

3 BAR

NUMBER OF SECTIONS

3 TO 8

GAS CIRCULATION PRINCIPLE

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

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	MAXIMUM OPERATING PRESSURE	NUMBER OF SECTIONS
	6	3 BAR	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

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

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

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

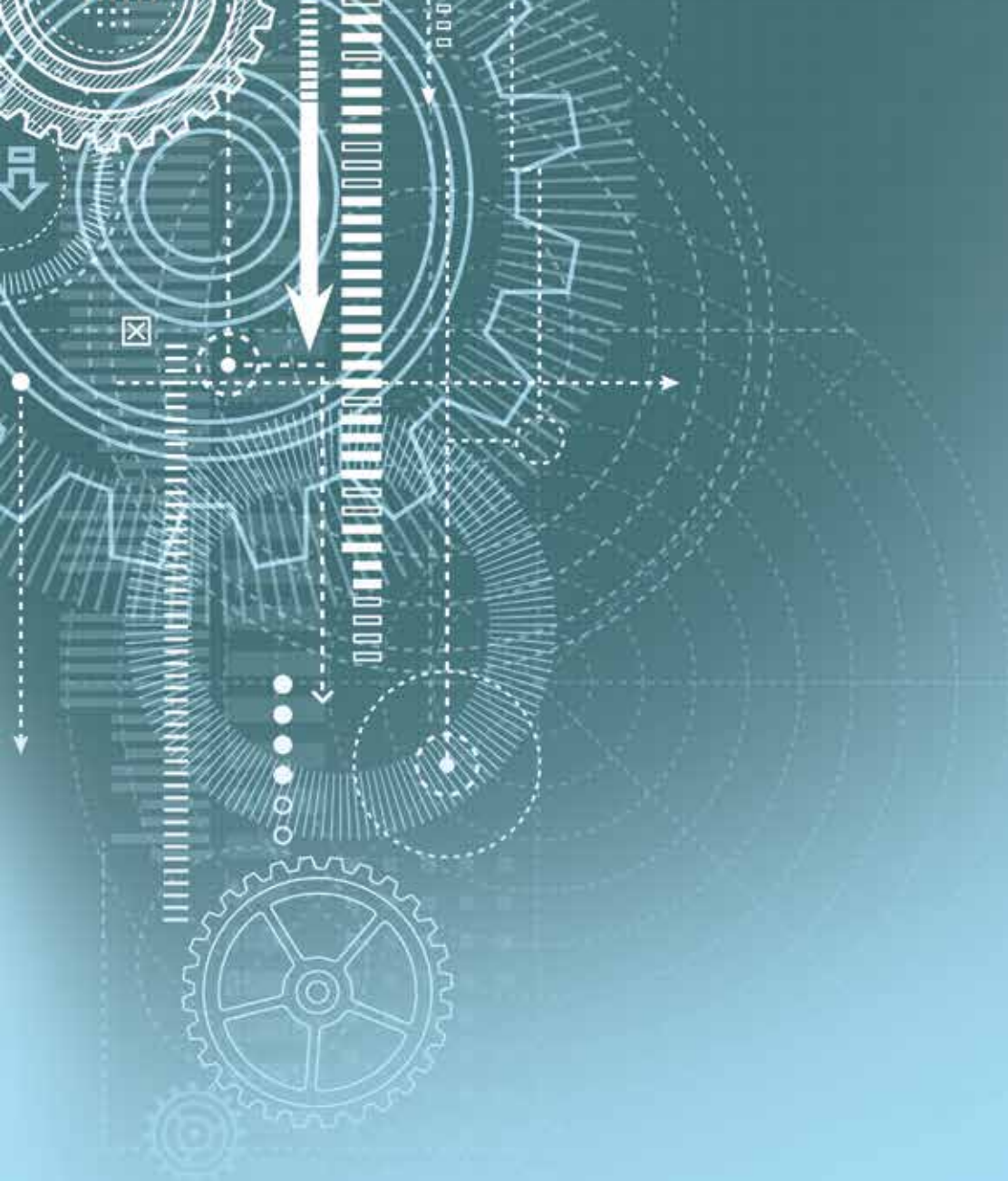
A4

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.



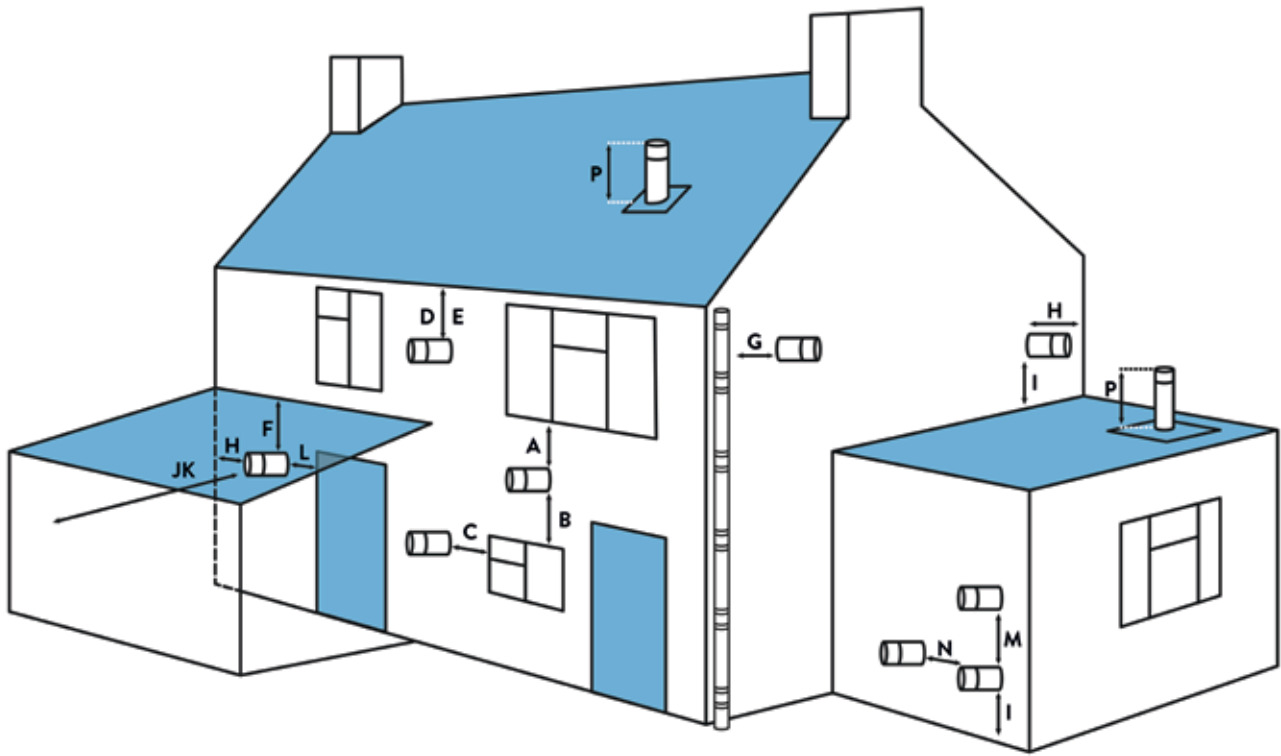
FEATURES:	SLEEP MODE	AUTO RESTART	COOLING LIQUID	HOT START	JET COOL	BTU
	YES	YES	R410a	YES	YES	9K-12K 18K-24K

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

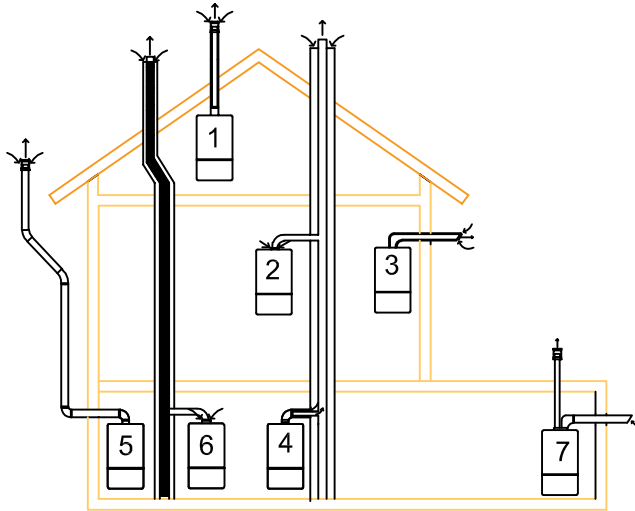
CERTIFICATED FLUE OPTIONS



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
(open flued / balance with flexible duct)
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	

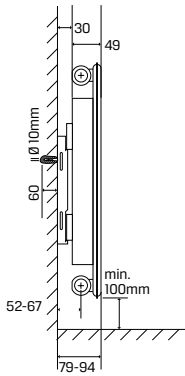
PANEL RADIATORS

Water treatment

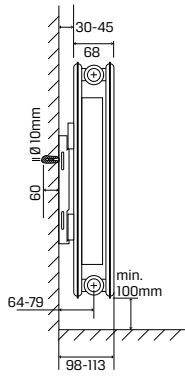
On completion of the installation it is strongly recommended that the system is properly flushed and treated, and that a corrosion inhibitor is used. Failure to do this will invalidate our manufacturer's warranty.

Compact range

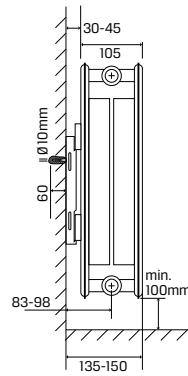
Single Convector
Type 11



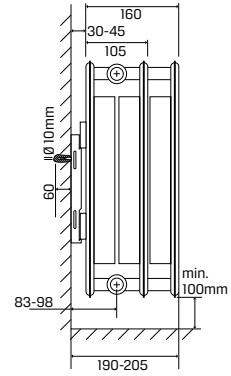
Double Panel
Single Convector
Type 21



Double Convector
Type 22



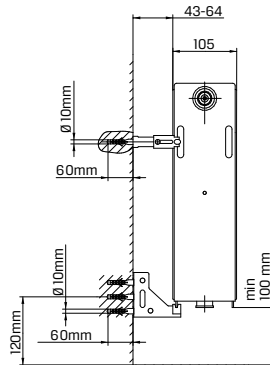
Triple Convector
Type 33



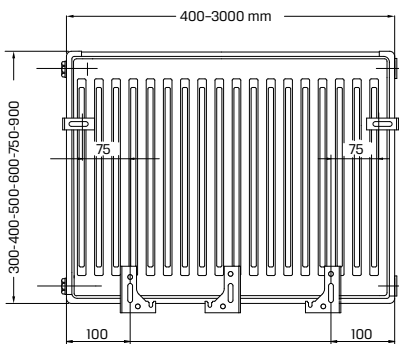
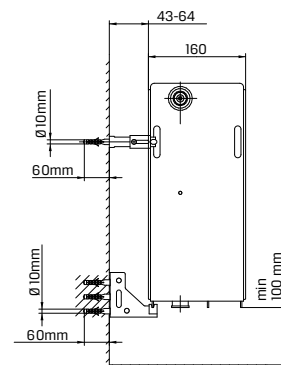
Sizes indicated may vary by + - 2 mm.

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		$\Delta T50\text{ }^\circ\text{C}$	$\Delta T60\text{ }^\circ\text{C}$		$\Delta T50\text{ }^\circ\text{C}$	$\Delta T60\text{ }^\circ\text{C}$
300mm (12")	400	16	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

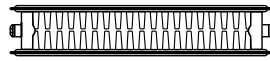
Heat output $\Delta T50\text{ }^\circ\text{C}$ mean water temperature of $70\text{ }^\circ\text{C}$ and room temperature of $20\text{ }^\circ\text{C}$.

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

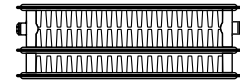
To obtain the article number for the Ventil type, please contact your point of sale.

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		$\Delta T50\text{ }^{\circ}\text{C}$	$\Delta T60\text{ }^{\circ}\text{C}$		$\Delta T50\text{ }^{\circ}\text{C}$	$\Delta T60\text{ }^{\circ}\text{C}$
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

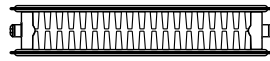
Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

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

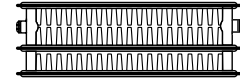
To obtain the article number for the Ventil type, please contact your point of sale.

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		$\Delta T50\text{ }^{\circ}\text{C}$	$\Delta T60\text{ }^{\circ}\text{C}$		$\Delta T50\text{ }^{\circ}\text{C}$	$\Delta T60\text{ }^{\circ}\text{C}$
300mm (12")	400	16	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

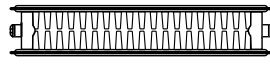
Heat output $\Delta T50\text{ }^{\circ}\text{C}$ mean water temperature of $70\text{ }^{\circ}\text{C}$ and room temperature of $20\text{ }^{\circ}\text{C}$.

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

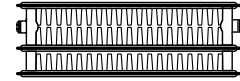
To obtain the article number for the Ventil type, please contact your point of sale.

COMPACT PANEL TECHNICAL DATA SHEET

TYPE 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

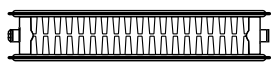
Heat output $\Delta T50$ °C mean water temperature of 70°C and room temperature of 20°C.

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

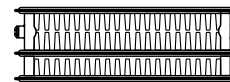
To obtain the article number for the Ventil type, please contact your point of sale.

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			kg	lt
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 RADITAOR TECHNICAL DATA SHEET

CAST IRON RADITAOR	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	130	87,4	75,2	NF 047/180
	4/75	4	702	602	144	60	1" 1/4	0,245	0,96	7	110	130	100,8	86,7	NF 047/180
	4/75 F	4	762	602	144	60	1" 1/4	0,257	0,96	7	110	130	100,8	86,7	NF 047/180
	4/95	4	900	800	144	60	1" 1/4	0,320	1,16	7	110	130	124,9	107,4	NF 047/180
	4/95 F	4	955	800	144	60	1" 1/4	0,332	1,16	7	110	130	124,9	107,4	NF 047/180
	6/48	6	425	350	221	60	1" 1/4	0,230	0,80	7	110	130	94,1	80,9	***
	6/48 F	6	485	350	221	60	1" 1/4	0,243	0,80	7	110	130	94,1	80,9	***
	6/65	6	600	500	221	60	1" 1/4	0,320	1,22	7	110	130	126,6	108,9	NF 047/180
	6/65 F	6	655	500	221	60	1" 1/4	0,333	1,22	7	110	130	126,6	108,9	NF 047/180
	6/75	6	702	602	221	60	1" 1/4	0,360	1,35	7	110	130	147,8	127,1	NF 047/180
	6/75 F	6	762	602	221	60	1" 1/4	0,372	1,35	7	110	130	147,8	127,1	NF 047/180
6/95	6	900	800	221	60	1" 1/4	0,484	1,50	7	110	130	184,1	158,3	NF 047/180	
6/95 F	6	960	800	221	60	1" 1/4	0,495	1,50	7	110	130	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**