DOMESTIC
HEATING

Product catalogue
February 2017

Ferroli

SUMMARY CATALOGUE
FERROLI
Identification colours for each product family

EN ISO 9001:2008 CERTIFIED QUALITY SYSTEM	TÜV SÜD	ENVIROMENTAL MANAGEMENT EN ISO 14001:2004 CERTIFIED

ATTENTION

*This document includes international standard products and codes. Some products and accessories may differ or not be available in particular geographical areas.
For product and code confirmation, commercial conditions, delivery time and eventual minimal lots etc, please refer to Ferroli's commercial representatives.
Application of accessories to be checked on respective installation manuals.*

ERP R-EVOLUTION

SHORT GUIDE TO NEW EU REGULATIONS

European community **Erp regulations** about Ecodesign (minimum efficiency limits) and Energy Labelling (energy informational label) entered in force **on 26 september 2015** simultaneously in all 28 UE countries and EEA countries (European economic Area: Liechtestein, Switzerland, Norway, Iceland). **Nothing changed for extra UE** countries markets and production of european manufacturers directed outside EU.

As a consequence, since the mentioned date all involved products sold to the final customer are ErP compliant, except for stock already in the market before 26/09. Moreover, products meant for domestic use, are equipped with an **energy label**.

PRODUCTS SUMMARY

VOLUME / OUTPUT LIMITS:	0-70 kW 0-500 lts (tank)	71-400 kW 501 - 2000 lts (tank)	over 400 kW over 2000 lts (tank)
HEATING GENERATOR gas / oil / electric boiler	**ENERGY LABEL** **ERP COMPLIANCE**	**NO ENERGY LABEL** **ERP COMPLIANCE**	**ERP REGULATIONS** **NOT APPLIED**
DHW GENERATOR electric / gas water heater DHW indirect cylinder	**ENERGY LABEL** **ERP COMPLIANCE**	**NO ENERGY LABEL** **ERP COMPLIANCE**	**ERP REGULATIONS** **NOT APPLIED**
ELECTRONIC CONTROLLERS **SOLAR COLLECTORS**	**Compliant. Product fiche in the manual necessary**		
PRESSURISED BOILERS Boiler bodies for jet burners Jet burners	**Can be sold only as replacement** **of an identical product**		**ERP REGULATIONS** **NOT APPLIED**

Good efficiency B1 type combi boilers (open flue natural draught) under 30 kW are admitted by ErP regulation only as a replacement on collective chimney installations, untill 26/09/2018

READING THE CATALOGUE
Symbols used for boilers/water heaters and tanks

PRODUCT IN FULL CONFORMITY WITH ERP REGULATIONS

These products were redesigned and re-certified accordingly to new ErP energy efficiency limits. Furthermore they bring the Energy Label delivered from the manufacturer (if foreseen: up to 70 kW output power or up to 500 lt water storage).

It may happen that along the distribution chain you can find a very similar "pre-ErP" product, which could still be sold and installed if firstly introduced in the EU market before 26 September 2015.

Anyhow most probably the product is not exactly the same (design). These "pre-ErP" products cannot bear the Energy Label.

PRODUCT NOT RULED BY ERP REGULATION, YET MARKETABLE IN EU

ErP Regulations for such products have yet to be issued or are not yet in force. These products are still ruled by other EU pieces of legislations (e.g. product safety....) and thus CE-marked accordingly.

PRODUCTS FOR REPLACEMENT ONLY

Boilers for jet burners constitute an exception to the ErP applicability. Models with seasonal efficiency $\eta_s < 94\%$ can be sold and installed only as a replacement of identical products, as stated by Reg. 813/2013 lett G, par 2.1. The same rule is applied to jet burners, sold and installed as replacement of identical product. The rule is applied below 400 kW output. Also some open flue wall hung boilers, complying given requirements, can be installed as a replacement on collective chimneys installation. Introduction in the market needs to take place within 1st January 2018. Of course, such EU options have to be compatible with local laws as well.

PRODUCT FOR EXTRA EU MARKETS ONLY

Product not admitted in the EU (can only be sold and installed in the EU if firstly introduced in the EU market before 26 September 2015).

CHEAP AND EASY FERROLI A+ SYSTEMS

SEASONAL EFFICIENCY

Most of Ferroli condensing boilers boast a very high heating seasonal efficiency, corresponding to η_s **94%**, according to european Regulations on Energy Related Products (**ERP**). Such superior performances permit to achieve A+ classification as an heating package, through the simple combined purchase and installation of the outdoor probe and Romeo remote controller, together with the boiler.

ETA$_s$ 94%
94

| Ferroli boiler | Romeo | Outdoor probe | A+ energy label for the heating package |
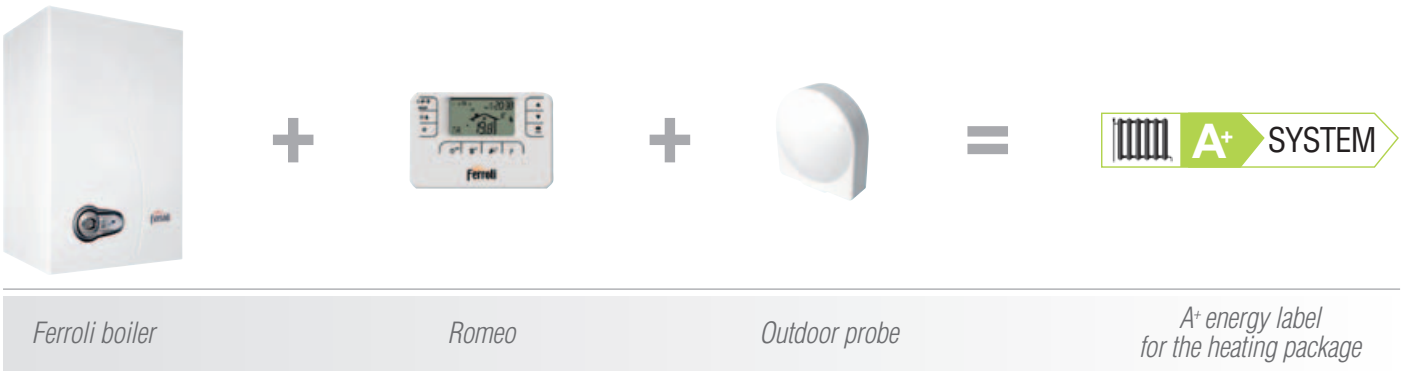
The present catalogue identifies generators featuring 94% as seasonal efficiency with a dedicated icon controller, together with the boiler.

HEATING SYSTEM ENERGY LABEL

The energy label for the product package must be prepared by the final seller and consigned to the end user. Ferroli helps calculation of package energy rating through an app for mobile devices

☐ EN
☐ IT
☐ ES
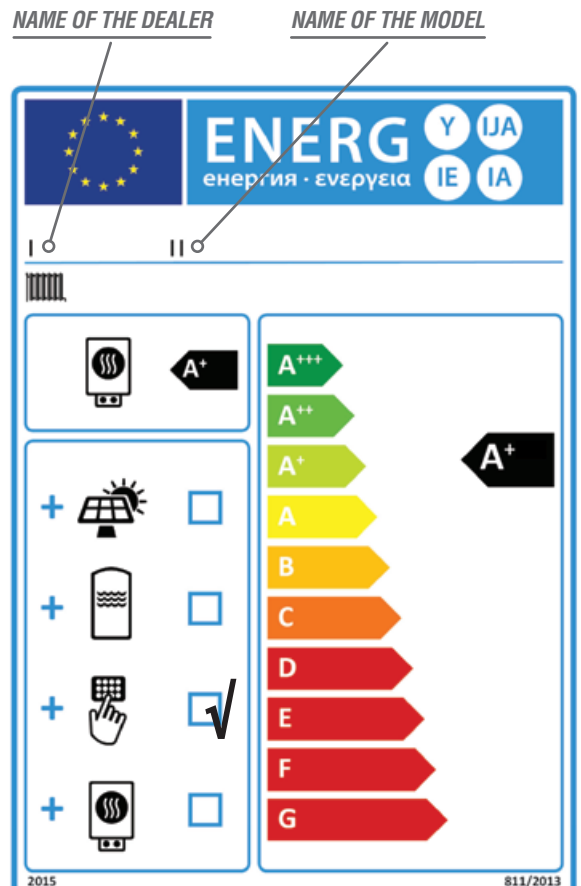
Download the App for **Iphone** systems

Download the App for **Android Phone** systems

Download the App for **Windows Phone** systems

NAME OF THE DEALER   NAME OF THE MODEL

ENERG энергия · ενεργεια

A+

2015   811/2013

SYMBOLS KEY

Product in accordance with Erp regulations

Patented monothermic primary exchanger in **AISI 316 Ti stainless steel**

Product not considered by ErP regulations, yet marketable in EU

Patented double function single exchanger in **AISI 316 Ti stainless steel**

Products for replacement only (restiction valid only in the EU)

Patented exchanger in **AISI 316 Ti stainless steel**

Product for extra EU markets only

Can be combined with modulating **remote control** ROMEO

NOx emissions: **class 5**, i.e. most **ecological** class according to European Directives EN 297 and 483

Includes class A efficiency pump **ERP compliant**

Electronics features built-in **master-slave cascade** operation, without additional controllers

Includes modulating pump - class A efficiency - **ERP compliant**

Maximum **domestic hot water comfort**: 3 star according to EN 13203 Directive, emended by Reg. 812/2013

"Range rated" certified generator, according EN 483

Possible connection to an optional outdoor probe, thus enabling **system flow temperature compensation**

94% as seasonal efficiency in heating (η_s) according to Reg. 811/2013

Matching Ferroli boiler with solar won't be a simple addition of free energy, but a real integrated system. Boiler will precisely supplement heat produced by solar during mild seasons or with fresh weather, thanks to SUNEASY function in the electronics.

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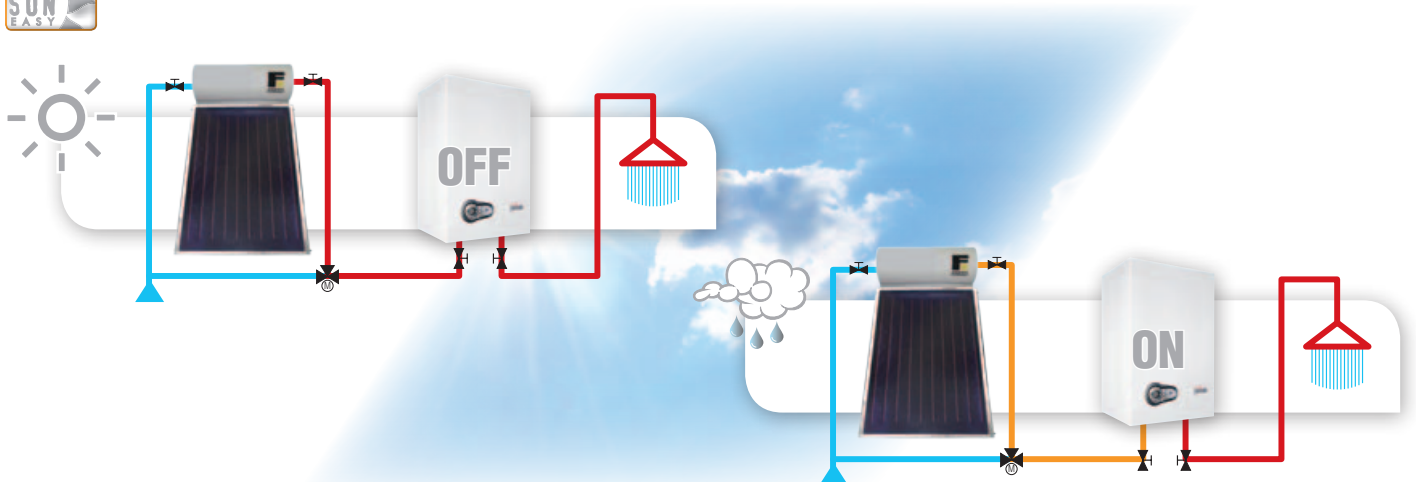
CONDENSING LINE

BLUEHELIX PRO

INSTANT COMBI WALL HUNG CONDENSING BOILER

- Patented exchanger in stainless **steel AISI 316 Ti**, double function, boasting considerable thickness
- Exchanger consisting in a **pipe-in pipe coil**, with no welding, nor joint, for central heating and instantaneous domestic hot water
- Function "**self-cleaning**" of the exchanger reduces linestone deposits inside DHW circuit
- **Condensation phenomena is enhanced** also in domestic hot water mode thanks to the efficient construction of the monobloc exchanger
- Integrated combustion unit featuring premix assembly with silencer, fan, stainless steel burner
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **NOx** emission **class 5** (directive EN 297/A5)
- **Modulating pump** with Δt control
- Complete thermoacoustic insulation
- Can be combined to the **modulating remote control** and **outdoor probe**
- **Connection to solar heating systems**: ready for domestic hot water production in combination with solar collectors systems
- ▐▐▐▐ A+ SYSTEM : in combination with Romeo remote control and the outdoor probe

WATER SCHEME

MODEL			25 C	32 C
Erp Class	▐▐▐▐▐		A	A
	XL		A	A
Seasonal efficiency			94	94
Heat input		Min kW	5,8	6,7
		Max Heating kW	25,0	29,5
		Max DHW kW	27,0	32,0
Heat output	80°C - 60°C	Min kW	5,7	6,6
		Max Heating kW	24,5	28,9
		Max DHW kW	27,0	32,0
	50°C - 30°C	Min kW	6,2	7,2
		Max Heating kW	26,5	31,3
Efficiency	80°C - 60°C	Pmax %	98,0	98,0
		Pmin %	97,8	97,8
	50°C - 30°C	Pmax %	106,1	106,1
		Pmin %	107,5	107,5
	30% partial load	Pmax %	108,8	108,8
DHW production		Δt 30°C l/min	12,9	15,3
		Δt 25°C l/min	15,5	18,3
Heating operating pressure		Max / Min bar	3 / 0,8	3 / 0,8
Empty weight		kg	29	31,5
Dimensions		WxHxD mm	400x600x320	400x600x320
CODE (see page 5)			**0T1R2AWA**	**0T1R3AWA**

ERP COMPLIANT | REMOTE | FUNCTION SUN EASY | DHW | CLIMATIC | STAINLESS STEEL DUAL | MODULATING PUMP | CLASS 5

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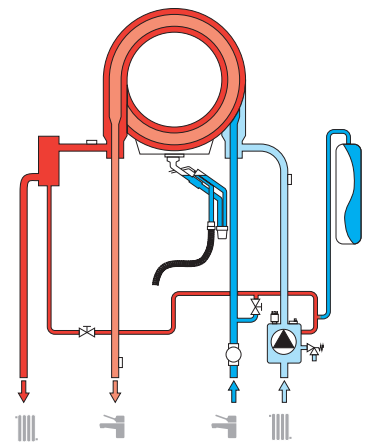# BLUEHELIX TECH C INSTANT COMBI WALL HUNG CONDENSING BOILER

- Patented primary exchanger in stainless **steel AISI 316 Ti**, boasting considerable thickness
- Exchanger consisting in a **unique large section coil**, with no welding, nor joint
- **Domestic hot water** production through dedicated plates exchanger
- Integrated combustion unit featuring premix assembly with silencer, fan, stainless steel burner
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **NOx** emission **class 5** (directive EN 297/A5)
- **Modulating pump** with Δt control
- Complete thermoacoustic insulation
- Can be combined to the **modulating remote control** and **outdoor probe**
- **Connection to solar heating systems**: ready for domestic hot water production in combination with solar collectors systems
- ▐▐▐ A+ SYSTEM : in combination with Romeo remote control and the outdoor probe

WATER SCHEME

MODEL				25 C	35 C
Erp Class	▐▐▐▐▐			A	A
	🚰			🚰 XL A	🚰 XXL A
Seasonal efficiency				94	94
Heat input		Min	kW	5,8	6,7
		Max Heating	kW	25,0	32,0
		Max DHW	kW	27,5	34,8
Heat output	80°C - 60°C	Min	kW	5,7	6,6
		Max Heating	kW	24,5	31,4
		Max DHW	kW	27,0	34,1
	50°C - 30°C	Min	kW	6,2	7,2
		Max Heating	kW	26,5	34,0
Efficiency	80°C - 60°C	Pmax %		98,0	98,0
		Pmin %		97,8	97,8
	50°C - 30°C	Pmax %		106,1	106,1
		Pmin %		107,5	107,5
	30% partial load	Pmax %		108,8	108,8
DHW production		Δt 30°C	l/min	12,9	16,3
		Δt 25°C	l/min	15,5	19,5
Heating operating pressure		Max / Min	bar	3 / 0,8	3 / 0,8
Empty weight			kg	29	31,5
Dimensions		WxHxD	mm	400x600x320	400x600x320
CODE (see page 5)				**0T2R2AWA**	**0T2R3AWA**

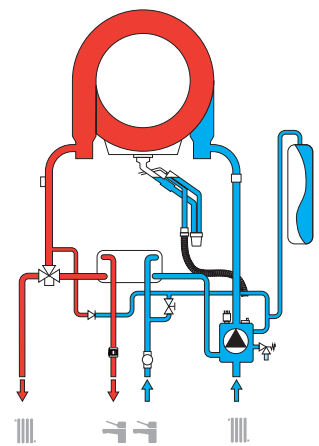ferroli

BLUEHELIX TECH A - H

WALL-HUNG CONDENSING BOILER
HEATING ONLY

- Patented primary exchanger in stainless **steel AISI 316 Ti**, boasting considerable thickness
- Exchanger consisting in a **unique large section coil**, with no welding, nor joint
- includes 3 way valve for connection to an external DHW tank, with legionella protection program (except mod. S 45 H)
- Integrated combustion unit featuring premix assembly with fan and stainless steel burner
- **Modulating pump** with Δt control
- Complete thermoacoustic insulation
- Can be combined to the **modulating remote control** and **outdoor probe**
- ▌A+ SYSTEM : in combination with Romeo remote control and the outdoor probe (mod. 25 A - 35 A)

WATER SCHEME
mod. 18-25-35
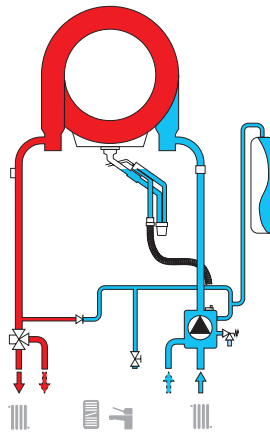
WATER SCHEME
mod. 45

MODEL				18 A	25 A	35 A	S 45 H
Erp Class	▌			A	A	A	A
Seasonal efficiency				93	94	94	93
Heat input		Min	kW	4,0	5,8	6,7	7,5
		Max Heating	kW	17,4	25,0	34,8	43,0
		Max DHW	kW	-	-	-	-
Heat output	80°C - 60°C	Min	kW	3,9	5,7	6,6	7,3
		Max Heating	kW	17,0	24,5	34,1	42,1
		Max DHW	kW	-	-	-	-
	50°C - 30°C	Min	kW	4,3	6,2	7,2	8,0
		Max Heating	kW	18,5	26,5	36,9	45,6
Efficiency	80°C - 60°C		Pmax %	98,0	98,0	98,0	98,0
			Pmin %	97,8	97,8	97,8	97,8
	50°C - 30°C		Pmax %	106,1	106,1	106,1	106,1
			Pmin %	107,5	107,5	107,5	107,5
	30% partial load		Pmax %	108,8	108,8	108,8	108,8
Heating water content			lts	1,7	1,7	2,1	3
Heating operating pressure		Max / Min	bar	3 / 0,8	3 / 0,8	3 / 0,8	3 / 0,8
Empty weight			kg	28	28	30	30
Dimensions		WxHxD	mm	400x600x320	400x600x320	400x600x320	420x700x320
CODE (see page 5)				**0T2O1AWA**	**0T2O2AWA**	**0T2O3AWA**	**0T2D5IWA**

ERP COMPLIANT · REMOTE · CLIMATIC · CLASS 5 · STAINLESS STEEL · MODULATING PUMP

DIVACONDENS

ATMOSPHERIC CONDENSING BOILER, WITH INSTANT DOMESTIC HOT WATER PRODUCTION

- Forced flue boiler, with stainless steel AISI 304 **atmospheric burner**
- **Double exchanger**: primary in copper with aluminium coating, domestic exchanger stainless steel type
- **Flue gas heat recovery recuperator system**, for primary circuit pre-heating
- Ideal for serving **traditional heating systems**, high or mid-temperature type
- Possible combination with **FZ4 zoning controller** to govern multi-zone and/or mixed heating system
- Liquid crystal display with back light for simple user operation
- Can be operated using the **modulating remote control**
- Condensate trap for air pressure switch
- Connection to **solar heating systems**: ready for domestic hot water production in combination with solar panel system

WATER SCHEME
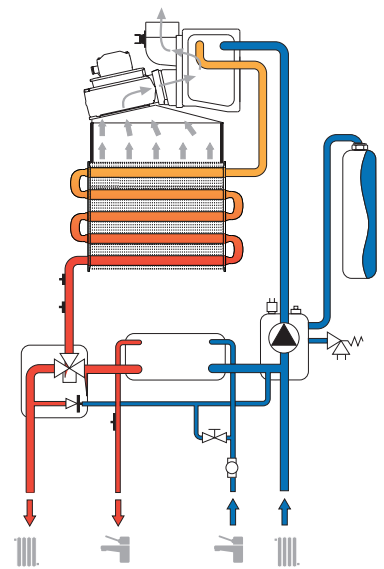
MODEL				24	28
Erp Class	🔳			B	B
	XL			A	A
Seasonal efficiency				87	86
Heat input		Min	kW	10,0	10,0
		Max Heating	kW	25,0	28,0
Heat output	80°C - 60°C	Min	kW	9,2	9,2
		Max Heating	kW	24,1	27,0
	50°C - 30°C	Min	kW	9,6	9,6
		Max Heating	kW	25,9	29,0
Efficiency	80°C - 60°C		Pmax %	96,5	96,5
			Pmin %	92,0	92,0
	50°C - 30°C		Pmax %	103,5	103,5
			Pmin %	96,0	96,0
	30% partial load		Pmax %	103,5	103,5
NOx emission			class	3	3
DHW production		Δt 25°C	l/min	14,0	15,7
		Δt 30°C	l/min	11,6	13,0
Heating operating pressure		Max	bar	3	3
		Min	bar	0,8	0,8
DHW operating pressure		Max	bar	9	9
Empty weight			kg	35	35
Dimensions		WxHxD	mm	400x680x330	400x680x330
CODE (see page 5)				**0CBF4EWA**	**0CBF5EWA**

ERP COMPLIANT | FUNCTION SUN EASY | REMOTE | PUMP A

BLUEHELIX K 50

CONDENSING WALL-HUNG BOILER
INCLUDING STAINLESS STEEL STORAGE TANK

- Primary exchanger in stainless steel AISI 316 Ti
- Domestic hot water production through 50 liters storage tank in stainless steel, preset for recirculation connection
- Total premix burner in stainless steel
- **Modulating pump** for heating system and DHW tank loading
- Digital Control board with multifunction display interface
- Can be connected to the modulating remote control
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **Flow temperature compensation** through optional outdoor probe reading
- Exchanger protection function, via Δt control
- **Legionella protection**, programmable
- Timed **antiseize** program for pump and 3-ways valve
- [||||| A⁺ SYSTEM] : in combination with Romeo remote control and the outdoor probe
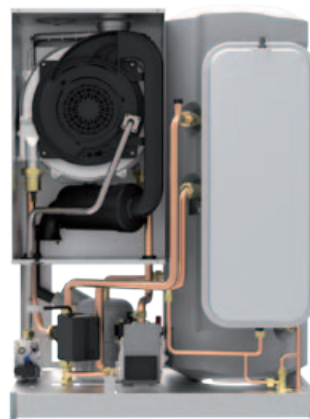
WATER SCHEME

MODEL			25 K 50	32 K 50
Erp Class	(heating)		A	A
	XL		A	A
Seasonal efficiency			94	94
Heat input	Min	kW	5,8	6,7
	Max Heating	kW	25,0	29,5
	Max DHW	kW	27,5	32,0
Heat output	80°C - 60°C Min	kW	5,7	6,6
	Max Heating	kW	24,5	28,9
	Max DHW	kW	27,0	32,0
	50°C - 30°C Min	kW	6,2	7,2
	Max Heating	kW	26,5	31,3
Efficiency	80°C - 60°C	Pmax %	98,0	98,0
		Pmin %	97,8	97,8
	50°C - 30°C	Pmax %	106,1	106,1
		Pmin %	107,5	107,5
	30% partial load	Pmax %	108,8	108,8
Tank capacity		litres	50	50
DHW production	Δt 30°C	l/10 min	175	195
	Δt 30°C	l/h	820	945
Heating operating pressure	Max	bar	3	3
DHW operating pressure	Max	bar	9	9
Empty weight		kg	50	58
Dimensions	WxHxD	mm	600x800x590	600x800x590
CODE (see page 5)			**0TAX2AWA**	**0TAX3AWA**

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BLUEHELIX B

FLOOR STANDING GAS CONDENSING BOILER, HEATING ONLY

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- Heating only generator, with possibility to pilot a free-standing DHW storage tank
- **Patented heating exchanger in stainless steel AISI 316 Ti**, boasting considerable thickness
- Exchanger consisting in a unique large section coil, with no welding, nor joint
- Integrated combustion unit featuring premix assembly with silencer, fan, stainless steel burner
- **Modulating pump** with ΔT control, timed anti-seize system, electronic control of starting and pull-up torque
- Complete thermoacoustic insulation
- Can be combined to the **modulating remote control** and **outdoor probe**
- Concentric or twin pipe flues system, with possible right, left or back outlet
- Easily accessible water and gas connections: this **facilitates replacement of old generators**
- A+ SYSTEM : in combination with Romeo remote control and the outdoor probe (only for mod. 35)

WATER SCHEME

Control panel BLUEHELIX range
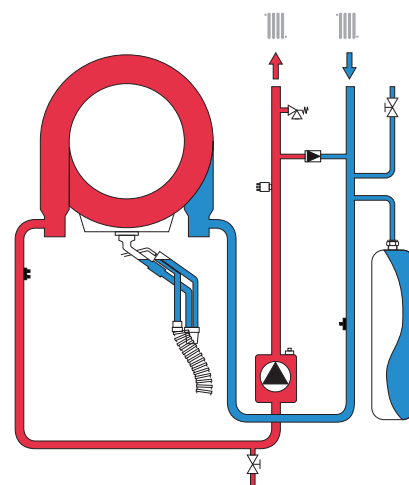
MODEL				B 35	B S 45
Classe ERP				A	A
Seasonal efficiency				94	93
Heat input		Min	kW	6,7	7,5
		Max Heating	kW	32,0	43,0
Heat output	80°C - 60°C	Min	kW	6,6	7,3
		Max Heating	kW	31,4	42,1
	50°C - 30°C	Min	kW	7,2	8,1
		Max Heating	kW	34,0	45,6
Efficiency	80°C - 60°C		Pmax %	98,0	98,0
			Pmin %	97,8	97,8
	50°C - 30°C		Pmax %	106,1	106,1
			Pmin %	107,5	107,5
	30% partial load		Pmax %	108,8	108,8
Heating operating pressure		Max	bar	3	3
Empty weight			kg	50	52
Dimensions		WxHxD	mm	400x850x595	400x850x600
CODE (see page 5)				**0TA03AWA**	**0TAD5AWA**

ERP COMPLIANT   REMOTE   CLIMATIC   CLASS 5   STAINLESS STEEL   MODULATING PUMP
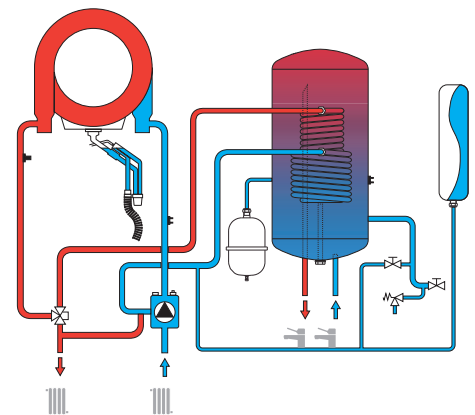
BLUEHELIX B K 50

FLOOR STANDING GAS CONDENSING BOILER INCLUDING STAINLESS STEEL STORAGE TANK

- Primary **exchanger in stainless steel AISI 316 Ti**
- Domestic hot water production through **50 liters storage tank** in stainless steel, preset for recirculation connection
- Total premix burner in stainless steel
- **Modulating pump** for heating system and DHW tank loading
- Digital Control board with multifunction display interface
- Can be connected to the **modulating remote control**
- **Water and gas connection easily accessible**: this favours replacement of old generators
- **Flue gas outlet via twin or concentric pipes**: right / left / back outlet possible
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- Very **low polluting emissions** (class 5 according to EN 297/A5)
- **Flow temperature compensation** through optional outdoor probe reading
- Exchanger protection function, via Δt control
- **Legionella protection**, programmable
- Timed antiseize program for pump and 3-ways valve
- Antifrost protection down to -5°C
- A⁺ SYSTEM : in combination with Romeo remote control and the outdoor probe

PRIMARY EXCHANGER

DISTRIBUTION AND STORAGE ASSEMBLY

WATER SCHEME

| ERP COMPLIANT | REMOTE | DHW | CLIMATIC | CLASS 5 | STAINLESS STEEL | MODULATING PUMP |
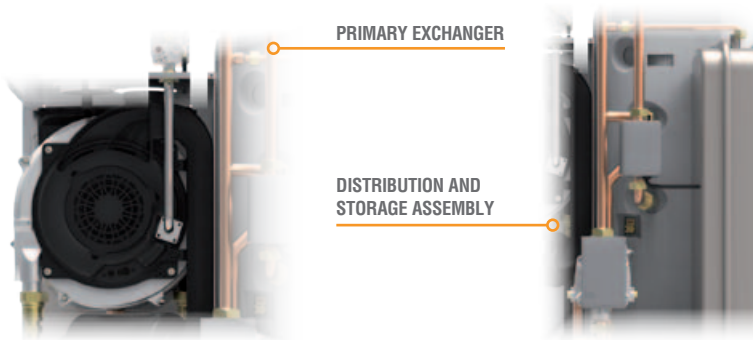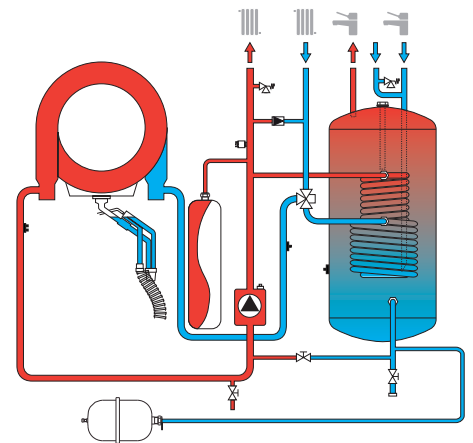
MODEL			B 32 K 50
Erp Class	🔥		A
	🚰 XXL		A
Seasonal efficiency			94
Heat input		Min kW	6,7
		Max Heating kW	29,5
		Max DHW kW	32,0
Heat output	80°C - 60°C	Min kW	6,6
		Max Heating kW	28,9
		Max DHW kW	31,4
	50°C - 30°C	Min kW	7,2
		Max Heating kW	31,3
Efficiency	80°C - 60°C	Pmax %	98,0
		Pmin %	97,8
	50°C - 30°C	Pmax %	106,1
		Pmin %	107,5
	30% partial load	Pmax %	108,8
Tank capacity		litres	50
DHW production	Δt 30°C	l/10 min	195
	Δt 30°C	l/h	945
Heating operating pressure	Max	bar	3
DHW operating pressure	Max	bar	9
Empty weight		kg	58
Dimensions	WxHxD	mm	600x850x595
CODE (see page 5)			0TAS3AWA

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BLUEHELIX B S K 100

FLOOR STANDING GAS CONDENSING BOILER INCLUDING STAINLESS STEEL STORAGE TANK

- **Primary exchanger in stainless steel** AISI 316 Ti
- Domestic hot water production through **100 liters storage tank in stainless steel**, preset for recirculation connection
- Total premix burner in stainless steel, boasting wide modulation range
- **Modulating pump**, PWM controlled, with electronic control of starting and pull-up torque
- Digital Control board with multifunction display interface
- Can be connected to the **modulating remote control**
- **Water and gas connection easily accessible:** this favours replacement of old generators
- Flow temperature compensation through optional outdoor probe reading
- Exchanger protection function, via Δt control
- **Legionella protection**, programmable
- Timed antiseize program for pump and 3-ways valve
- Antifrost protection down to - 5°C
- ▐▐▐▐ A+ SYSTEM : in combination with Romeo remote control and the outdoor probe

COMPACT PREMIX ASSEMBLY

WATER SCHEME
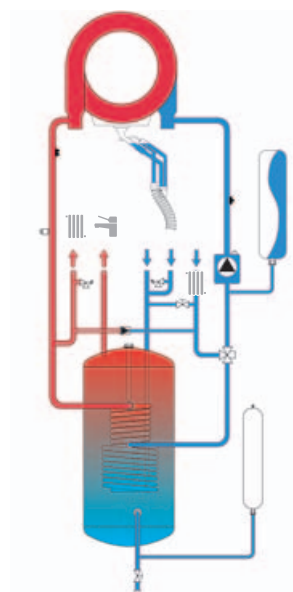
MODEL			B S 32 K 100
ERP Class	▐▐▐▐▐		A
	🚰 XXL		A
Seasonal efficiency			94
Heat input	Max / Min Heating	kW	29,5 / 6,7
	Max / Min DHW	kW	32,0 / 6,7
Heat output 80°C-60°C	Max / Min Heating	kW	28,9 / 6,6
50°C-30°C	Max / Min Heating	kW	31,3 / 7,2
	Max / Min DHW	kW	31,4 / 6,6
Tank capacity		litri	100
DHW production	Δt 30°C	l/10min	270
	Δt 30°C	l/h	1000
Operating pressure	Max Heating / DHW	bar	6 / 9
	Min Heating / DHW	bar	0,8 / 0,3
Empty weight		kg	86
Dimensions	WxHxD	mm	500x1500x535
CODE (see page 5)			**0TAV3PWA**

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15

ENERGY TOP W

WALL-HUNG COMMERCIAL CONDENSING BOILER, HEATING ONLY, READY FOR CASCADE SYSTEMS

- **Aluminium boiler body** with dual function of heat exchanger and condenser, with **low pressure drop** and high efficiency
- Cylindrical micro-flame burner, vertical configuration, reverse flame
- The **Master/Slave** function on the electronic board manages the **cascading** operation of the modules with extreme simplicity, without requiring additional controllers
- Complete monitoring of circuit temperatures through double probe on flow and return pipes
- Widely complies with **NOx emission class 5** (directive EN 297/A5)
- Can be hung-up on the wall or on self-supporting frames
- Wide availability of **accessories for modular operation** (hydraulic manifold, flue collective pipes, pump sets...)

WATER SCHEME

ERP COMPLIANT | CLIMATIC | MODULAR | REMOTE | CLASS 5
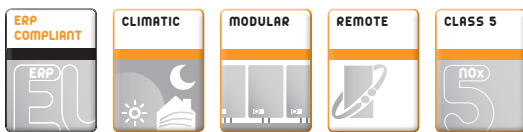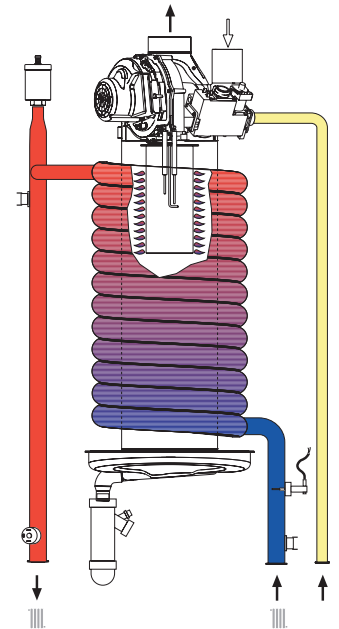
MODEL				W 60	W 80	W 125
ERP Class				A	ENERGY-LABELLING NOT RELEVANT	
Seasonal efficiency				93	93	93
Heat input		Max Heating	kW	58,0	75,0	116,0
Heat output	80°C - 60°C	Min	kW	16,7	16,7	24,6
		Max Heating	kW	56,8	73,5	113,7
	50°C - 30°C	Min	kW	18,3	18,3	26,9
		Max Heating	kW	61,5	79,5	123
Efficiency	80°C - 60°C		Pmax %	98,0	98,0	98,0
			Pmin %	98,5	98,5	98,5
	50°C - 30°C		Pmax %	106,0	106,0	106,0
			Pmin %	107,5	107,5	107,5
	30% partial load		Pmax%	109,0	109,0	109,0
Heating operating pressure		Max	bar	6	6	6
Empty weight			kg	46	46	51
Dimensions		WxHxD	mm	445x900x430	445x900x430	445x900x430
CODE (see page 5)				**0M6O9IWA**	**0M6OBIWA**	**0M6OEIWA**

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ACCESSORIES FOR CASCADE

code 042031X0 **1** code 042032X0 **2** code 042028X0 **5** code 042029X0 **6**

code 042048X0 **3** code 042030X0 **4**

code 042033X0 **7**

code 041026X0 **8** code 041028X0 **9** code 041019X0 **10** code 041016X0 **11**

DESCRIPTION		CODE
	Basic kit self-supporting frame for first boiler of the cascade, complete with support brackets	042031X0
	Self-supporting frame **extension** kit for individual boiler (after the first one in the cascade), complete with support brackets	042032X0
	Water kit for single boiler, including on-off valves and **high-efficiency modulating pump (CLASS A)**	042048X0
	Hydraulic separator	042030X0
	Basic water manifold for first boiler in the cascade, DN65 (2" 1/2) with safety devices (excluding safety valve and gas on/off valve) and gas manifold, DN40 (1" 1/2)	042028X0

DESCRIPTION		CODE
	Water manifold extension kit for individual boiler (after the first one in the cascade), DN65 (2" 1/2) and gas manifold, DN40 (1" 1/2)	042029X0
	Flange kit, containing: 3 blind flanges, 3 drilled flanges, gaskets (one kit for each cascade)	042033X0
	Condensate drain trap complete with fastening brackets, ø 200 mm	041026X0
	Grey PPs flue gas manifold kit (L=600mm - ø 200 mm) for "side-by-side" modular installation, complete with clapet valves, vertical connections, gaskets and brackets	041028X0
	1 mt PPs extension, ø 200 mm MF	041019X0
	90° PPs bend, ø 200 mm MF	041016X0

Individual evacuation flues, diameter 80 mm, can be directly inserted in the boiler's flues stack, with interposition of gasket 1KWMA84A.
For regular accessories (outdoor probe, flues for individual installation, controllers) please check respective accessories section.

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ENERGY TOP B

FLOOR STANDING CONDENSING VERTICAL MODULE, READY FOR CASCADE SYSTEMS. ALSO FOR OUTDOOR INSTALLATION UNTIL -10°C
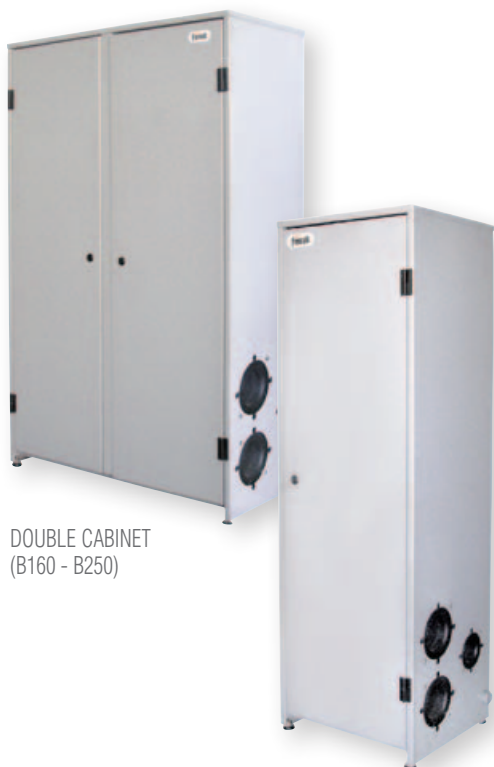
DOUBLE CABINET
(B160 - B250)

SINGLE CABINET
(B80 - B125)

- Modular insulated painted cabinet structure (IPX5D), vertical layout with **double or single combustion unit**
- **Aluminium finned spiral tube** boiler body with dual function of heat exchanger and condenser, boasting **low pressure drop** and high efficiency
- Electronic board with microprocessor ready for **Master/Slave cascading** connection
- Module complete with insulated system flow and return **manifolds** (DN 100), pump and gas piping (DN65)
- Possible modular layout "**side-by-side**" or "**back-to-back**", in order to satisfy different installation requirements of the cascade in the boiler room, with easy connection of the collective hydraulic manifolds of the modules
- Maximum configuration: **5 Energy Top 250.** Operational range from a minimum output of 24,6 kW to a maximum of **1.137 kW** (80/60°C), thus offering an incredible flexibility
- Possibility to manage an additional sensor on flow manifold or after hydraulic separator
- **Range-rated certified:** possibility to adapt max output to the real heating needs of the building

MODULAR LAYOUTS WITH FLUES MANIFOLDS

BACK-TO-BACK

SIDE-BY-SIDE *
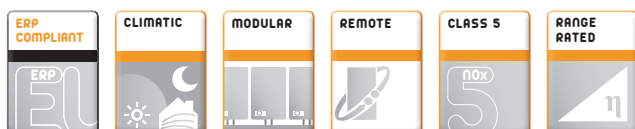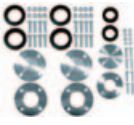
MODEL				B 80	B 125	B 160	B 250
Seasonal efficiency				93	93	93	93
Heat input		Max Heating	kW	75,0	116,0	150,0	232,0
Heat output	80°C - 60°C	Min	kW	16,7	24,6	16,7	24,6
		Max Heating	kW	73,5	113,7	147,0	227,4
	50°C - 30°C	Min	kW	18,3	26,9	18,3	26,9
		Max Heating	kW	79,5	123	159	246
Efficiency	80°C - 60°C		Pmax %	98,0	98,0	98,0	98,0
			Pmin %	98,5	98,5	98,5	98,5
	50°C - 30°C		Pmax %	106,0	106,0	106,0	106,0
			Pmin %	107,5	107,5	107,5	107,5
	30% partial load		Pmax%	109,0	109,0	109,0	109,0
Heating operating pressure		Max	bar	6	6	6	6
Empty weight			kg	110	115	190	210
Dimensions		WxHxD	mm	500x1700x450	500x1700x450	100x1700x450	100x1700x450
CODE (see page 5)				**0M6OBAWA**	**0M6OEAWA**	**0M6OGAWA**	**0M6OKAWA**

* Curves for water manifold in "back to back" layout not supplied

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POSSIBLE MODULAR LAYOUT

HEAT INPUT kW	HEAT OUTPUT (kW)		MODULES qty	SIDE-BY-SIDE CLEARANCE W x D (mm)	BACK-TO-BACK CLEARANCE W x D (mm)	MODULES QTY					FLUES DIAMETER mm
	80/60°C	50/30°C				1	2	3	4	5	
75	73,5	79,5	1	500 x 450	-	80	-	-	-	-	-
116	113,7	123,0	1	500 x 450	-	125	-	-	-	-	-
150	147,0	159,0	1	1000 x 450	-	160	-	-	-	-	200
191	187,2	202,5	2	1000 x 450	500 x 900	80	125	-	-	-	200
232	227,4	246,0	1	1000 x 450	-	250	-	-	-	-	200
266	260,7	282,0	2	1500 x 450	1000 x 900	125	160	-	-	-	200
307	300,9	325,5	2	1500 x 450	1000 x 900	80	250	-	-	-	200
348	341,1	369,0	2	1500 x 450	1000 x 900	125	250	-	-	-	200
382	374,4	405,0	2	2000 x 450	1000 x 900	160	250	-	-	-	200
416	407,7	441,0	3	2500 x 450	1500 x 900	125	160	160	-	-	200
464	454,8	492,0	2	2000 x 450	1000 x 900	250	250	-	-	-	200
498	488,1	528,0	3	2500 x 450	1500 x 900	125	160	250	-	-	300
539	528,3	571,5	3	2500 x 450	1500 x 900	80	250	250	-	-	300
580	568,5	615,0	3	2500 x 450	1500 x 900	125	250	250	-	-	300
614	601,8	651,0	3	3000 x 450	2000 x 900	160	250	250	-	-	300
696	682,2	738,0	3	3000 x 450	2000 x 900	250	250	250	-	-	300
730	715,5	774,0	4	3500 x 450	2000 x 900	125	160	250	250	-	300
771	755,7	817,5	4	3500 x 450	2000 x 900	80	250	250	250	-	300
812	795,9	861,0	4	3500 x 450	2000 x 900	125	250	250	250	-	300
846	829,2	897,0	4	4000 x 450	2000 x 900	160	250	250	250	-	300
928	909,6	984,0	4	4000 x 450	2000 x 900	250	250	250	250	-	300
1003	983,1	1063,5	5	4500 x 450	2500 x 900	250	250	250	250	80	300
1044	1023,3	1107,0	5	4500 x 450	2500 x 900	250	250	250	250	125	300
1078	1056,6	1143,0	5	5000 x 450	3000 x 900	250	250	250	250	160	300
1160	1137,0	1230,0	5	5000 x 450	3000 x 900	250	250	250	250	250	300

SPECIFIC ACCESSORIES

DESCRIPTION		CODE
	flange kit, containing: 3 blind flanges, 3 drilled flanges, gaskets PS. To be used on individual modules or one for each cascade system	042027X0
	Cabinet complete with hydraulic separator and safety devices (excluding safety valve) and gas on/off valve	0M600MX0
	Condensate drain trap kit for flue gas manifolds complete with fastening brackets PS. Use one for each cascade system	ø 200 → 041026X0; ø 300 → 041027X0
	Flue gas manifold kit, grey PPs (L=600mm) for "side-by-side" cascading configurations complete with clapet valves, vertical connection, gaskets and brackets. PS. To be used on each stack (each furnace)	ø 200 → 041028X0; ø 300 → 041029X0

DESCRIPTION		CODE
	MF 90° bend, PPs	ø 200 → 041016X0; ø 300 → 041035X0
	1m MF manifold extension pipe, PPs	ø 200 → 041019X0; ø 300 → 041036X0
	terminal pipe for individual vertical flues outlet, including test point	ø 80 → 041013X0
	Flue gas manifold kit, grey PPs (L=600mm), double connection for "back-to-back" cascading configurations, complete with bends, clapet valves, vertical connections, gaskets and brackets PS. To be used per each pair of flues outlets (each pair of furnace) installed in back-to-back layout	ø 200 → 041030X0; ø 300 → 041031X0

Water connection bends (for side-by-side cascading) not available.
The generator is B23 type. 80 mm individual evacuation flues can be inserted directly on flues stack.
For regular accessories (outdoor probe, flues for individual installation, controllers) please check respective accessories section.

QUADRIFOGLIO B

**STAINLESS STEEL
CONDENSING GENERATOR**

- **Steel vertical module** with low thermal load, huge water content.
- The **exchanger in stainless steel AISI 316 Ti** consists in a tubes bundle. The helical rolling section is patented and has been designed to enhance thermal exchange and fumes condensation.
- Premixed microflame burner, Low NOx combustion, vertical layout. **The reduced vertical clearance** enables water/flue gas exchange throughout the entire surface of the exchanger. Quick opening system of combustion chamber door (right/left reversible) for inspection and maintenance operations.
- **Control board** with button for regulation and setting of parameters, wide interface display and ON/OFF switch
- Pocket on boiler flow, for the eventual installation of a safety valve.
- Equipped with temperature probes on flow and return and water minimum pressure switch.
- **Flue gas outlet reversible on right or left side** of the generator.
- **Flue gas no-return** system for modular installation. As a standard on each boiler.
- Range rated certified boiler: adaption of boiler max heating output to real max load, thus keeping high operational efficiency
- Wide and complete offer of **water, gas and flues accessories** - necessary for the installation of cascades including 2 or 3 generators.
- A+ SYSTEM : in combination with Romeo remote control and the outdoor probe (mod. 70)
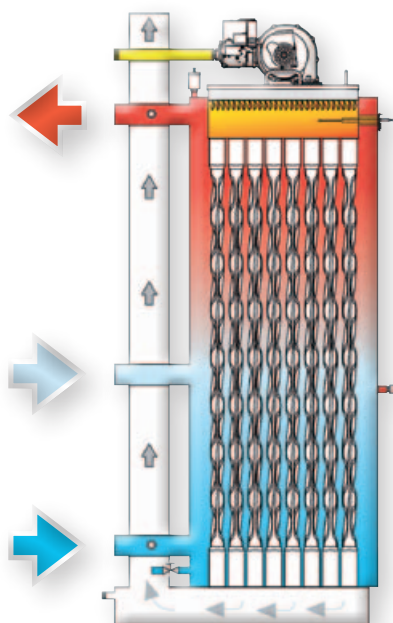
MODEL				70	125	220	320
Erp Class				A	ENERGY-LABELLING NOT RELEVANT		
Seasonal efficiency				94	94	94	94
Heat input		Max	kW	65,5	116,0	207,0	299,0
		Min	kW	14,0	23,0	41,0	62,0
Heat output	80°C - 60°C	Min	kW	13,7	22,5	40,2	60,8
		Max	kW	64,4	114,0	204,0	294,5
	50°C - 30°C	Min	kW	15,0	24,8	44,2	66,8
		Max	kW	69,9	125,0	220,0	320,0
Efficiency	80°C - 60°C		Pmax %	98,3	98,3	98,5	98,5
			Pmin %	98,0	98,0	98,0	98,0
	50°C - 30°C		Pmax %	106,8	106,8	106,8	106,8
			Pmin %	107,7	107,7	107,7	107,7
	30% partial load		%	109,6	109,6	109,6	109,6
Water content			litres	160	265	380	530
Operating pressure		Min / Max	bar	0,8 / 6	0,8 / 6	0,8 / 6	0,8 / 6
Empty weight			kg	180	280	400	500
Stack connection		Ø	mm	80	100	160	200
Dimensions		WxHxD	mm	540x1760x600	660x1760x600	780x1820x600	900x1820x600
CODE (see page 5)				**0RB020WA**	**0RB120WA**	**0RB420WA**	**0RB620WA**

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CASCADING MANIFOLD LAYOUT

Flues manifold, top outlet *

Water and gas manifold
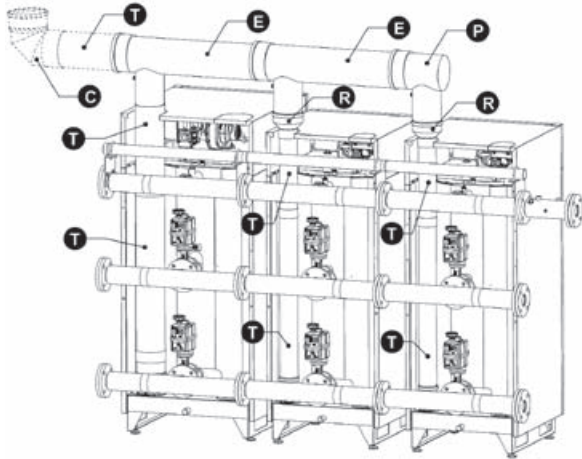
* Flue gas evacuation can occur also at stack's height (mid outlet) or above return manifold (bottom outlet)

DESCRIPTION OF CASCADE ACCESSORIES/COMPONENTS

A Adaptor for connection of motorized valve
B Adaptor connections boiler/manifold
C 90° bend, PPs, with gaskets
E Flues manifold, PPs, including gaskets
F Flange for manifold (one blind flange, a drilled one, including gaskets, screws, nuts)
G Gas manifold, including ON/OFF valve, flexible hose, gaskets, screws, nuts
I Water manifold, including gaskets, screws, nuts
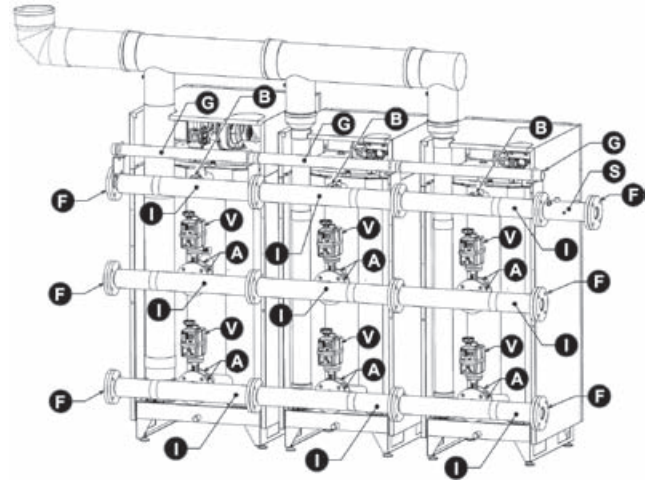
P One side-blind flues manifold, including condensate siphon
R Reduction for connection top flues manifold/vertical flue pipe
S Manifold for lodging of additional optional safety devices (according to Italian INAIL rules)
T Vertical pipe for connection from stack to top flues manifold
V Motorised ON/OFF valve

ACCESSORIES FOR INDIVIDUAL OR MODULAR INSTALLATION

DESCRIPTION		CODE
Motorized valve, DN 50, 230 V - 50 Hz, **for model 70 and 125**		052000X0
Motorized valve, DN 50, 230 V - 50 Hz, **for model 220 and 320**		052001X0
Gas manifold	1' 1/4	042050X0
	2'	042051X0
	2' 1/2	042052X0
Water manifold	2'	042053X0
	2' 1/2	042054X0
	4'	042055X0
Manifold for lodging of additional safety devices (according to Italian INAIL rules)	2'	042056X0
	2' 1/2	042057X0
	4'	042058X0
Flange kit (including nuts, bolts and gaskets)	2'	042059X0
	2' 1/2	042060X0
	4'	042061X0
F-F coupling	1' 1/4	042062X0
	2'	042063X0
M-F reduction nipple	2' - 1'1/2	042064X0
Flange - connection	DN50 - 1'1/4	042065X0
	DN65 - 2'	042066X0

DESCRIPTION		CODE
Terminal for flues manifold	* 160 mm	041066X0
	* 200 mm	041068X0
	* 300 mm	041070X0
Flues manifold	* 160 mm	041067X0
	* 200 mm	041069X0
	* 300 mm	041071X0
M/F flue gas pipe, PPs, 0,5 mt length	100 mm	041072X0
	160 mm	041074X0
	200 mm	041076X0
M/F flue gas pipe, PPs, 1 mt length	80 mm	1KWMA83W
	100 mm	041073X0
	160 mm	041018X0
	200 mm	041062X0
	300 mm	041063X0
90° M/F bend, PPs	80 mm	1KWMA01W
	100mm	041077X0
	160 mm	041015X0
	200 mm	041060X0
	300 mm	041061X0
M/F reduction, PPs	80-100 mm	041078X0
	100-160 mm	041079X0
	160-200 mm	041080X0

For regular accessories (probes, controllers...) please check respective accessories section.
* Stated diameters refer to the horizontal, collective side of the manifold. Lower connections to vertical pipe from the individual boiler stack, feature reduced diameter: 100 mm for manifold diam. 160, 160 mm for diam 200, 200 mm for diam 300

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WATER AND GAS ACCESSORIES MATCHING

				G	G	G	I	I	I	S	S	S	F	F	F	B	B	A	A	A	V	V
				1"1/2 gas manifold	2" gas manifold	2"1/2 gas manifold	2" water manifold	2"1/2 water manifold	4" water manifold	2" safety accessories manifold	2"1/2 safety accessories manifold	4" safety accessories manifold	2" flange kit	2"1/2 flange kit	4" flange kit	F-F coupling 1"1/4	F-F coupling 2"	2"-1"1/2 M-F reduction nipples	DN50 flange-1"1/4 connection	DN65 flange-2" connection	DN50 valve	DN65 valve
HEAT INPUT kW	MODULES QUADRIFOGLIO B		MANIFOLD	042050X0	042051X0	042052X0	042053X0	042054X0	042055X0	042056X0	042057X0	042058X0	042059X0	042060X0	042061X0	042062X0	042063X0	042064X0	042065X0	042066X0	052000X0	052001X0
				nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.	nr.
131,0 — 70 / 70 / -			Gas	2																		
			Flow				2			1			1			2						
			Return				2						1						4		2	
181,5 — 70 / 125 / -			Gas	2																		
			Flow				2			1			1			2						
			Return				2						1						4		2	
232,0 — 125 / 125 / -			Gas	2																		
			Flow				2			1			1			2						
			Return				2						1						4		2	
247,0 — 70 / 70 / 125			Gas	3																		
			Flow				3			1			1			3						
			Return				3						1						6		3	
297,0 — 70 / 125 / 125			Gas	3																		
			Flow				3			1			1			3						
			Return				3						1						6		3	
323,0 — 125 / 220 / -			Gas		2																	
			Flow					2			1			1			2	1				
			Return					2						1				1	4			2
348,0 — 125 / 125 / 125			Gas		3																	
			Flow					3			1			1		3	3					
			Return					3						1			3		6			3
414,0 — 220 / 220 / -			Gas		2																	
			Flow					2			1			1			2					
			Return					2						1					4			2
439,0 — 125 / 125 / 220			Gas		3																	
			Flow					3			1			1		3	2					
			Return					3						1			2		6			3
506,0 — 125 / 220 / 220			Gas		3																	
			Flow					3			1			1		3	1					
			Return					3						1			1		6			3
530,0 — 220 / 320 / -			Gas			2																
			Flow						2			1			1						1	
			Return						2						1					1		2
598,0 — 320 / 320 / -			Gas			2																
			Flow						2			1			1							
			Return						2						1							2
621,0 — 220 / 220 / 220			Gas			3																
			Flow						3			1			1					3		
			Return						3						1					3		3
713,0 — 320 / 220 / 220			Gas			3																
			Flow						3			1			1					2		
			Return						3						1					2		3
818,0 — 320 / 320 / 220			Gas			3																
			Flow						3			1			1					1		
			Return						3						1					1		3
897,0 — 320 / 320 / 320			Gas			3																
			Flow						3			1			1							
			Return						3						1							3

The specified quantities refer to a single system return. In case both return connection on the boiler are used (low and mid temperature) you need to double up return manifold quantity and corresponding values.

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FLUES MANIFOLD MATCHING

Column legend (letter / description / code):

Code	Letter	Description
041070X0	P	Ø 300 flue manifold (first boiler)
041068X0	P	Ø 200 flue manifold (first boiler)
041066X0	P	Ø 160 flue manifold (first boiler)
041071X0	E	Ø 300 flue manifold (additional boiler)
041069X0	E	Ø 200 flue manifold (additional boiler)
041067X0	E	Ø 160 flue manifold (additional boiler)
041063X0	T	1 mt MF pipe, Ø 300, PPs
041062X0	T	1 mt MF pipe, Ø 200, PPs
041076X0	T	0,5 mt MF pipe, Ø 300, PPs
041018X0	T	1 mt MF pipe, Ø 160, PPs
041074X0	T	0,5 mt MF pipe, Ø 160, PPs
041073X0	T	1 mt MF pipe, Ø 100, PPs
041072X0	T	0,5 mt MF pipe, Ø 100, PPs
041061X0	C	90° MF bend, Ø 300
041060X0	C	90° MF bend, Ø 200, PPs
041015X0	C	90° MF bend, Ø 160, PPs
041077X0	C	90° MF bend, Ø 100, PPs
041080X0	R	Ø 160 - 200 MF reduction, PPs
041079X0	R	Ø 100 - 160 MF reduction, PPs
041078X0	R	Ø 80 - 100 MF reduction, PPs

| HEAT INPUT kW	MODULES QUADRIFOGLIO B			FLUE GAS EVACUATION	041070X0	041068X0	041066X0	041071X0	041069X0	041067X0	041063X0	041062X0	041076X0	041018X0	041074X0	041073X0	041072X0	041061X0	041060X0	041015X0	041077X0	041080X0	041079X0	041078X0
131,0	70	70	-	Low			1			1											2			2
				Medium			1			1						2	2				2			2
				High			1			1						2	2							2
181,5	70	125	-	Low			1			1											2			1
				Medium			1			1						2	2				2			1
				High			1			1						2	2							1
232,0	125	125	-	Low			1			1											2			
				Medium			1			1						2	2				2			
				High			1			1						2	2							
247,0	70	70	125	Low			1			2											3			2
				Medium			1			2						3	3				3			2
				High			1			2						3	3							2
297,0	70	125	125	Low			1			2											3			1
				Medium			1			2						3	3				3			1
				High			1			2						3	3							1
323,0	125	220	-	Low		1			1											2			1	
				Medium		1			1					1	2	1	1			2			1	
				High		1			1					1	2	1	1						1	
348,0	125	125	125	Low		1			2											3			3	
				Medium		1			2							3	3			3			3	
				High		1			2							3	3						3	
414,0	220	220	-	Low		1			1											2				
				Medium		1			1					2	2					2				
				High		1			1					2	2									
439,0	125	125	220	Low		1			2						1					3			2	
				Medium		1			2					1	2	2	2			3			2	
				High		1			2					1	2	2	2						2	
506,0	125	220	220	Low		1			2						2					3			1	
				Medium		1			2					2	4	1	1			3			1	
				High		1			2					2	4	1	1						1	
530,0	220	320	-	Low	1			1												2		1		
				Medium	1			1				1	1			3				2		1		
				High	1			1				1	1			3						1		
598,0	320	320	-	Low	1			1												2				
				Medium	1			1				2	2							2				
				High	1			1				2	2											
621,0	220	220	220	Low	1			2												3		3		
				Medium	1			2								9				3		3		
				High	1			2								9						3		
713,0	320	220	220	Low	1			2												3		2		
				Medium	1			2				1	1			6				3		2		
				High	1			2				1	1			6						2		
818,0	320	320	220	Low	1			2												3		1		
				Medium	1			2				2	2			3				3		1		
				High	1			2				2	2			3						1		
897,0	320	320	320	Low	1			2												3				
				Medium	1			2				3	3							3				
				High	1			2				3	3											

ATLAS D CONDENS UNIT

CAST-IRON OIL CONDENSING BOILER, HEATING ONLY

- G20 cast-iron boiler body with three pass flues sections and cooled combustion chamber
- **Stainless steel AISI 904L post-condenser** on flues outlet
- Easy, quick and complete access to the recouperator for cleaning operations
- Management of optional external storage cylinder with legionella protection
- High efficiency class A heating circulator. Can be set on a pre-fixed speed (3 modes) or on variable speed mode, self-adapting its pressure head
- Includes expansion tank, 3 bar safety valve and water pressure switch
- Complete with Ferroli **SUN G** oil burner (pre-assembled and pre-set)
- Convertible to sealed room type through optional kit
- **System temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Can be used with **remote control** (optional)
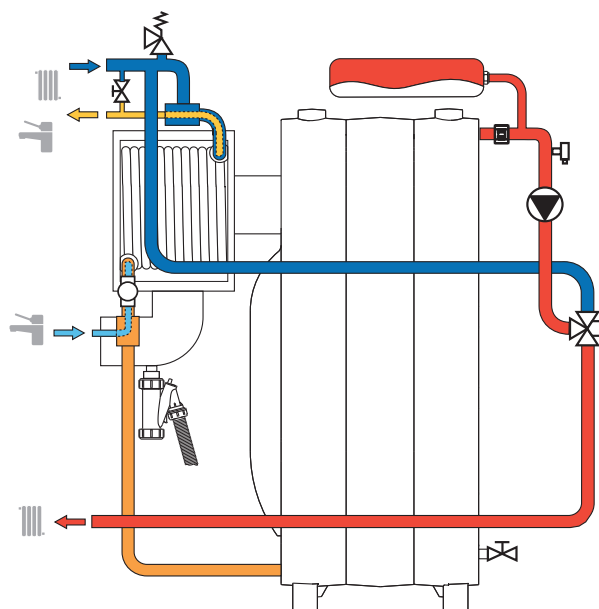- Frost protection system

MONOTHERMIC POST-CONDENSER

WATER SCHEME
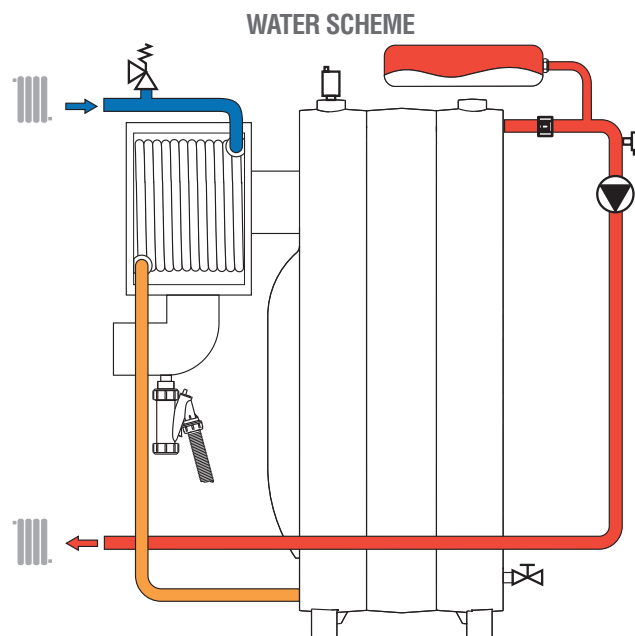
MODEL				32	42
Erp Class				A	A
Seasonal efficiency				91	91
Heat input		Max Heating	kW	33,0	43,5
		Min	kW	16,3	30,9
Heat output	80°C - 60°C	Max Heating	kW	32,0	42,0
		Min	kW	16,0	30,0
	50°C - 30°C	Max Heating	kW	33,8	44,5
		Min	kW	17,0	31,7
Efficiency	80°C - 60°C		Pmax %	97,0	96,5
			Pmix %	97,9	97,2
	50°C - 30°C		Pmax%	102,6	102,2
			Pmix %	103,9	102,8
	30% partial load		%	103,5	102,5
Heating operating pressure		Max	bar	3	3
Empty weight			kg	177	216
Dimensions		WxHxD	mm	500x850x830	500x850x930
CODE (see page 5)				**0JHW3PWA**	**0JHW4PWA**

ATLAS D CONDENS SI UNIT

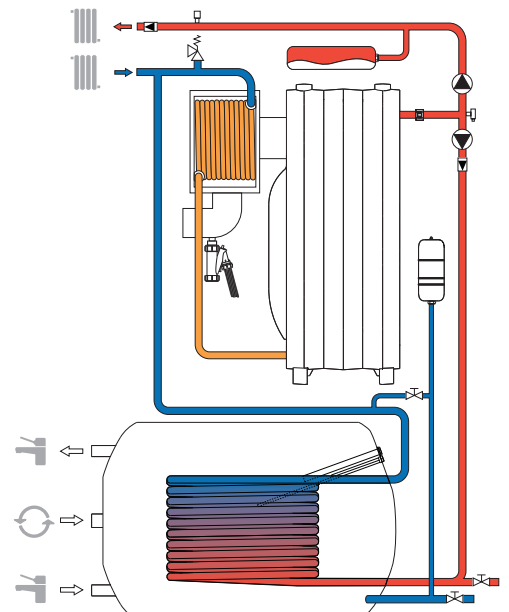**CAST-IRON OIL CONDENSING BOILER WITH INSTANT DOMESTIC HOT WATER PRODUCTION**

- G20 cast-iron boiler body with three pass flues sections and cooled combustion chamber
- **Stainless steel AISI 904L post-condenser** on flues outlet, featuring pipe-in-pipe construction
- **Tap water is heated in a coil dipped into the condenser**, resulting in a fast DHW production and top performances in condensation operation.
- Easy, quick and complete access to the recouperator for cleaning operations
- High efficiency class A heating circulator. Can be set on a pre-fixed speed (3 modes) or on variable speed mode. This latter setting will have pressure head increased correspondingly to the flow, enhancing energy economies
- Includes pump with diverting valve, expansion tank, 3 bar safety valve, water pressure switch and filling cock
- Complete with Ferroli **SUN G** oil burner (pre-assembled and pre-set)
- Convertible to sealed room type through optional kit
- **System temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Can be used with **remote control** (optional)
- Frost protection system

BITHERMIC POST-CONDENSER

FULL CONDENSATION (Heating + DHW)

WATER SCHEME

MODEL			32
Erp Class	🔥 (radiator)		A
	🚰 XL		A
Seasonal efficiency			91
Heat input		Max Heating kW	33,0
		Min kW	16,3
Heat output	80°C - 60°C	Max Heating kW	32,0
		Min kW	16,0
	50°C - 30°C	Max Heating kW	33,8
		Min kW	17,0
Efficiency	80°C - 60°C	Pmax %	97,0
		Pmin %	97,9
	50°C - 30°C	Pmax %	102,6
		Pmin %	103,9
	30% partial load	Pmax%	103,5
DHW production		Δt 25°C l/min	18,9
Heating operating pressure		Max bar	3
Empty weight		kg	180
Dimensions		WxHxD mm	500x850x830
CODE (see page 5)			**0LHW3PWA**

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ATLAS D CONDENS K UNIT

CAST-IRON OIL CONDENSING BOILER, STORAGE COMBI

- G20 cast-iron boiler body with three pass flues sections, with cooled combustion chamber
- **Stainless steel AISI 904L post-condenser** on flues outlet, supporting heating and DHW circuits
- Top **condensation** performances both in central **heating and DHW** operation.
- Easy, quick and complete access to the recouperator for cleaning operations
- **Enamelled 130 liters DHW storage tank**, equipped with recirculation connections
- Includes CH and DHW high efficiency class A pumps and expansion tank, safety valves, water pressure switch; filling valve to be assembled
- Complete with Ferroli **SUN G** oil burner (pre-assembled and pre-set)
- Convertible to sealed room type through optional kit
- **System temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Can be used with **remote control** (optional)
- Frost protection system

WATER SCHEME

FULL CONDENSATION (Heating + DHW)

ERP COMPLIANT | CLIMATIC | REMOTE | PUMP A

MONOTHERMIC POST-CONDENSER, WORKING FOR CH AND DHW

MODEL				32 K 130
Erp Class				A
	XXL			A
Seasonal efficiency				91
Heat input		Max Heating	kW	33,0
		Min	kW	16,3
Heat output	80°C - 60°C	Max Heating	kW	32,0
		Min	kW	16,0
	50°C - 30°C	Max Heating	kW	33,8
		Min	kW	17,0
Efficiency	80°C - 60°C	Pmax %		97,0
		Pmin %		97,9
	50°C - 30°C	Pmax %		102,6
		Pmin %		103,9
	30%	%		103,5
DHW production		Δt 30°C	l/h	850
		Δt 30°C	l/10 min	250
Heating operating pressure		Max	bar	3
Empty weight			kg	250
Dimensions		WxHxD	mm	500x1350x950
CODE (see page 5)				0LHX3PWA

GAS
WALL HUNG BOILERS

DOMINA N

INSTANT COMBI WALL HUNG GAS BOILER

- **Bithermic** copper exchanger
- Combined control panel: knobs, buttons, LEDs for a quick, easy handling of boiler operation
- **3 speed pump** with antiseize function: it is switched on for few seconds in case of 24 hours inactivity
- Hydraulic bypass as a standard
- Atmospheric burner in stainless steel AISI 304
- Modulating operation both in heating and domestic hot water mode
- Can be combined with **modulating remote control**
- **ECO/COMFORT** mode: choice of Comfort mode maintains exchanger warm, drastically reducing waiting time for domestic hot water supply
- **Ready for connection to solar systems**: integrated management of combined DHW production
- Condensate trap for air pressure switch
- Compact dimensions thus enabling installation, also in place where limited space is available
- Protection index **IPX5D**, which means excellent electrical protection of the appliance

MOD C: OPEN FLUE, NATURAL DRAUGHT
MOD F: ROOM SEALED, FORCED DRAUGH

Control panel (DOMINA N, DIVAPROJECT)

WATER SCHEME
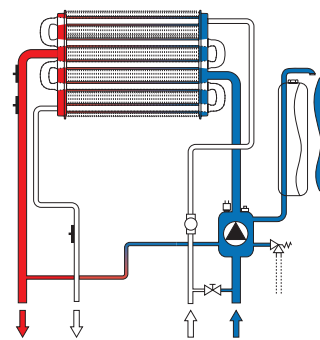
CH

WATER SCHEME
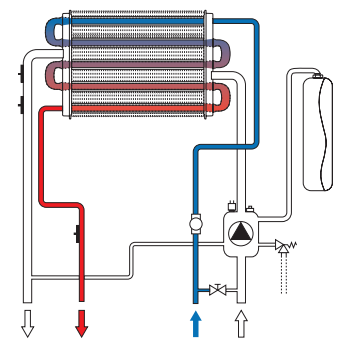
DHW

MODEL			C 20 N	C 24 N	C 28 N	C 32 N	F 20 N	F 24 N	F 28 N	F 32 N
Heat input	Max Heating	kW	22,0	25,8	30,8	34,4	21,5	25,8	30,0	34,4
	Min	kW	8,3	8,3	11,5	11,5	8,3	8,3	11,5	11,5
	Max DHW	kW	22,0	25,8	34,4	34,4	21,5	25,8	34,4	34,4
Heat output	Max Heating	kW	20,0	23,5	28,0	31,3	20,0	24,0	28,0	32,0
	Min	kW	7,0	7,0	9,9	9,9	7,2	7,2	9,9	9,9
	Max DHW	kW	20,0	23,5	31,3	31,3	20,0	24,0	32,0	32,0
Efficiency	80°C - 60°C	Pmax %	91	91	91	91	93	93	93,1	93,1
	30% load	%	89,6	89,6	89,6	89,6	90,5	90,5	91	91
Heating water content		litres	1,2	1,2	1,2	1,2	1,0	1,0	1,2	1,2
DHW production	Δt 25°C	l/min	11,5	13,4	17,9	17,9	11,5	13,7	18,3	18,3
	Δt 30°C	l/min	9,6	11,2	14,9	14,9	9,6	11,4	15,2	15,2
Heating operating pressure	Max	bar	3	3	3	3	3	3	3	3
Empty weight		kg	25	25	30	30	30	30	35	35
Dimensions	WxHxD	mm	400x700x230	400x700x230	400x700x330	400x700x330	400x700x230	400x700x230	400x700x330	400x700x330
CODE (see page 5)			-	**0ABC4RUA**	**0ABC5RUA**	**0ABC7RUA**	-	**0ABF4RUA**	**0ABF5RUA**	**0ABF7RUA**

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DIVAPROJECT

INSTANT COMBI WALL HUNG GAS BOILER

- Traditional compact wall hung boiler for central heating and domestic hot water, **open flue natural draught**
- Monothermic **CH copper exchanger** plus **DHW stainless steel plates exchanger** fed by 230 V diverting valve
- Combined control panel: knobs, buttons, LEDs for a quick, easy handling of boiler operation
- **Class A pump** with antiseize function: it is switched on for few seconds in case of 24 hours inactivity
- Hydraulic bypass as a standard
- Atmospheric burner in stainless steel AISI 304
- Modulating operation both in heating and domestic hot water mode
- Can be combined with **modulating remote control**
- Antifrost protection, if gas and power supplied and in stand-by mode
- **Ready for connection to solar systems**: integrated management of combined DHW production
- Condensate trap for air pressure switch
- Compact dimensions thus enabling installation, also in place where limited space is available
- Protection index **IPX5D**, which means excellent electrical protection of the appliance

WATER SCHEME
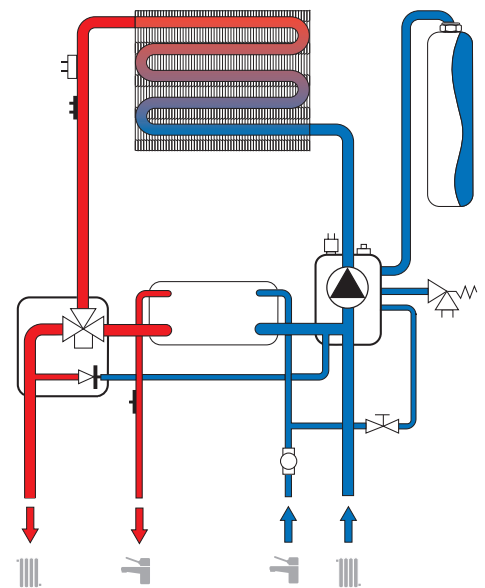
REPLACEMENT OF BOILERS INSTALLED IN COLLECTIVE CHIMNEYS

In the EU the *new* (redesigned) **Divaproject C 24 "ErP Compliant"** can ONLY be installed as replacement for open flues boilers evacuating through collective chimneys, **provided that such installation is also permitted by local laws.**
In that sense the *new* Divaproject C 24 is deemed to be compliant with ErP, which explicitely allows only for that exception.

MODEL			C 24	C 30
Erp Class	▥		C	C
	🚰 XL		A	A
Seasonal efficiency			77	77
Heat input	Max	kW	25,8	30
	Min	kW	8,3	9,7
Heat output	Max	kW	23,5	33,0
	Min	kW	7,0	11,5
Efficiency	80°C - 60°C	Pmax %	91,0	91,0
	30% load	%	89,6	89,8
DHW production	Δt 25°C	l/min	13,4	17,2
	Δt 30°C	l/min	11,2	14,3
Heating operating pressure	Max	bar	3	3
Empty weight		kg	27	30
Dimensions	WxHxD	mm	400x700x330	400x700x330
CODE (see page 5)			**0AEC4EWA**	**0AEC6EWA**

DIVA

## INSTANT COMBI WALL HUNG GAS BOILER

- Traditional compact wall hung boiler for central heating and domestic hot water
- Monothermic **CH copper exchanger** plus **DHW stainless steel plates exchanger** fed by 230 V diverting valve
- Complete and intuitive control board, with autodiagnostic function featuring backlit display and setting buttons
- Can be connected to **modulating remote control**, as optional
- Modulating operation both in heating and domestic hot water mode, with adjustable temperature increase slope
- Hydraulic bypass as a standard
- ECO/COMFORT mode for a fast production of domestic hot water
- Antifrost function, if gas and power supplied
- **Ready for connection to solar systems**: integrated management of combined DHW production through boiler and solar system
- Compact dimensions: same width and height of a bithermic wall hung boiler
- **IPX5D** protection rating
- **Condensate trap** for air pressure switch.

MOD C: OPEN FLUE, NATURAL DRAUGHT
MOD F: ROOM SEALED, FORCED DRAUGHT
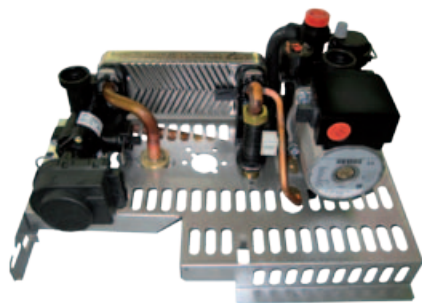
Water assembly

WATER SCHEME
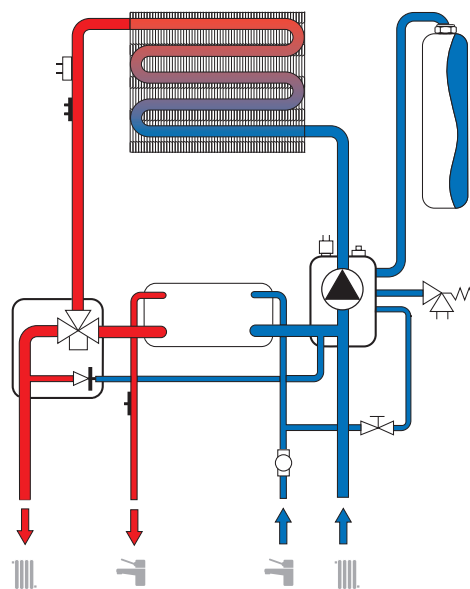
MODEL			C 24	C 28	C 32	F 24	F 28	F 32	F 37
Heat input	Max	kW	25,8	30,8	34,4	25,8	30,0	34,4	39,7
	Min	kW	8,3	11,5	11,5	8,3	11,5	11,5	14,0
Heat output	Max	kW	23,5	28,0	31,3	24,0	28,0	32,0	37,0
	Min	kW	7,0	9,9	9,9	7,2	9,9	9,9	12,9
Efficiency	80°C - 60°C	Pmax %	91,0	91,0	91,0	93,0	93,1	93,1	93,2
	30% load	%	89,6	89,8	89,8	90,5	91	91	91
DHW production	Δt 25°C	l/min	13,4	17,9	17,9	13,7	18,3	18,3	21,1
	Δt 30°C	l/min	11,2	14,9	14,9	11,4	15,2	15,2	17,6
Heating operating pressure	Max	bar	3	3	3	3	3	3	3
Empty weight		kg	27	30	30	32	35	35	37
Dimensions	WxHxD	mm	400x700x330	400x700x330	400x700x330	400x700x330	400x700x330	400x700x330	450x700x330
CODE (see page 5)			**0AEC4RUA**	**0AEC5RUA**	**0AEC7RUA**	**0AEF4RUA**	**0AEF5RUA**	**0AEF7RUA**	**0AEF8RUA**

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DIVATECH D

INSTANT COMBI WALL HUNG GAS BOILER

- Traditional compact wall hung boiler for central heating and domestic hot water
- **Monothermic** CH copper exchanger plus DHW stainless steel **plates exchanger** fed by 230 V diverting valve
- Complete and intuitive control board, with autodiagnostic function, featuring backlit display and setting buttons
- Can be connected to **outdoor probe** and **remote control**, as optionals
- Modulating operation both in heating and domestic hot water mode, with adjustable temperature increase slope
- Hydraulic bypass as a standard
- Antifrost function, if gas and power supplied
- Ready for connection to **solar systems**: integrated management of combined DHW production through boiler and solar system
- **Compact dimensions**: same width and height of a bithermic wall hung boiler
- Available in the LPG version

MOD C: OPEN FLUE
MOD F: ROOM SEALED

WATER SCHEME
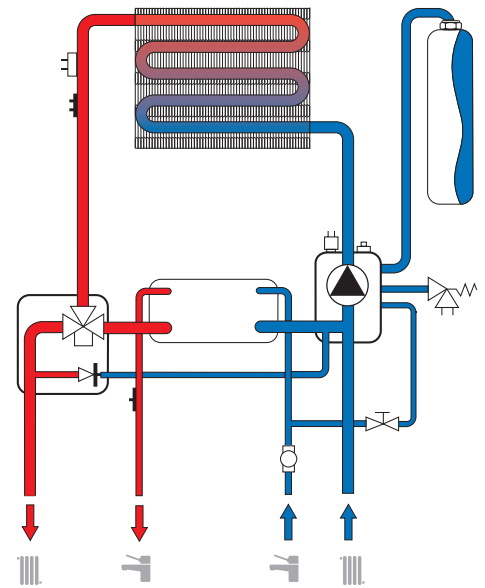
MODEL			C 24	C 32	F 24	F 32	F 37
Heat input	Max	kW	25,8	34,4	25,8	34,4	39,7
	Min	kW	8,3	11,5	8,3	11,5	14,0
Heat output	Max	kW	23,5	31,3	24,0	32,0	37,0
	Min	kW	7,0	9,7	7,2	9,9	12,9
Efficiency	80°C - 60°C	Pmax %	91,0	91,0	93,0	93,1	93,2
	30% load	%	89,6	89,8	90,5	91	91
DHW production	Δt 25°C	l/min	13,4	17,9	13,7	18,3	21,1
	Δt 30°C	l/min	11,2	14,9	11,4	15,2	17,6
Heating operating pressure	Max	bar	3	3	3	3	3
Empty weight		kg	27	30	32	35	37
Dimensions	WxHxD	mm	400x700x330	400x700x330	400x700x330	400x700x330	450x700x330
CODE (see page 5)			**0AEC4IWA**	**0AEC7IWA**	**0AEF4IWA**	**0AEF7IWA**	**-**

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DIVA H

ONLY HEATING WALL HUNG BOILER

- **Primary exchanger in copper**, protected by aluminium coating
- Built-in electronic management of an **eventual external DHW cylinder**, fed by the onboard diverter valve
- Can be operated using the **modulating remote control**
- Complete and intuitive **backlit graphic display** for easy and correct setting of the parameters
- Antifrost function, if gas and power supplied
- Timed antiseize program for pump and diverter valve
- Automatic bypass as standard
- Condensate trap for air pressure switch
- Protection index **IPX5D**, which means excellent electrical protection of the appliance

MOD C: OPEN FLUE
MOD F: ROOM SEALED

CONDENSATE TRAP ON AIR INLET
(FOR DOMINA N, DIVA, DIVAPROJECT, DIVACONDENS)

WATER SCHEME

EXTRA EU COMPLIANT

REMOTE

MODEL			H C 24	H F 24	H F 32
Heat input	Max Heating	kW	25,8	25,8	32,0
	Min	kW	8,3	8,3	9,9
Heat output	Max Heating	kW	23,5	24,0	34,4
	Min	kW	7,0	7,2	11,5
Heating operating pressure	Max	bar	3	3	3
Heating water content		litres	1	1	1,5
Empty weight		kg	26	31	35
Dimensions	WxHxD	mm	400x700x330	400x700x330	450x700x330
CODE (see page 5)			**0AEL4REA**	**0AEO4RWA**	**0AEO7RWA**

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DIVATOP 60

WALL HUNG BOILER WITH STAINLESS STEEL STORAGE TANK

- Traditional wall hung boiler, **open flue natural draught**
- Monothermic central heating exchanger and AISI 316 **stainless steel storage cylinder**, 60 litre capacity
- Two pumps, for central heating system and for storage cylinder coil
- **System flow temperature compensation** based on optional outside probe reading
- **3 star** certified domestic hot water comfort according to **EN 13203**, emended by Reg. 812/2013
- Easy to use thanks to a complete user interface and multi-function graphic display
- Can operate using the **modulating remote control**
- DHW expansion vessel and bypass as standard
- **Complete** with installation accessories as standard

WATER SCHEME
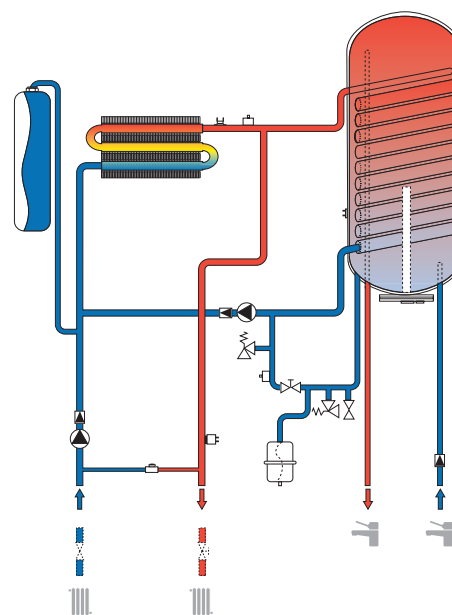
REPLACEMENT OF BOILERS INSTALLED IN COLLECTIVE CHIMNEYS

In the EU the *new* (redesigned) **Divatop 60 C 24 "ErP Compliant"** can ONLY be installed as replacement for open flues boilers evacuating through collective chimneys, **provided that such installation is also permitted by local laws.** In that sense the *new* Divatop 60 C 24 is deemed to be compliant with ErP, which explicitly allows only for that exception.

REG. 812/2013	DHW	CLIMATIC	REMOTE	PUMP
	☆☆☆			A

MODEL			C 24
Erp Class	🔥		C
	🚰 XL		A
Seasonal efficiency			76
Heat input	Max Heating	kW	25,8
	Min	kW	11,5
Heat output	Max Heating	kW	23,3
	Min	kW	9,7
	Max DHW	kW	23,3
Heating operating pressure	Max	bar	3
DHW content		litres	60
DHW production	Δt 30°C	l/10min	180
	Δt 30°C	l/h	740
Empty weight		kg	54
Dimensions	WxHxD	mm	600x800x440

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FLUES STARTING ACCESSORIES CONDENSING GAS BOILERS

041001X0

90° flanged concentric bend, 360° adjustable by 45° steps, Ø 60/100 mm, with test point

041006X0

Vertical concentric adapter from Ø 60/100 mm to Ø 80/125 mm, with test point

041002X0

Vertical concentric connection - Ø 60/100 mm, with test point

041039X0

Twin pipes adaptor Ø 80/80 mm, with test point

041007X0

Vertical concentric adaptor - Ø 80/125 mm - with flues test point

041065X0

Twin pipes adaptor
Ø 80/80 mm,
with test point

BOILER MATCHING	041001X0	041002X0	041007X0	041006X0	041039X0	041650X0
ENERGY TOP W *			●			
BLUEHELIX wall-hung	●	●		●	●	
BLUEHELIX floor-standing	●					●
DIVACONDENS	●	●		●	●	

* Non-starting 80 mm flues can be inserted directly on flues stack (with interposition of gasket code 1KWMA84A
"Starting accessories" are those immediately in contact with boiler's stack. Listed accessories are used for individual installation (not cascade).
For calculation of max flues lenght, please consult the boiler instruction manual.

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FLUES STARTING ACCESSORIES
TRADITIONAL GAS BOILERS AND WATER HEATERS

010007X0

90° flanged concentric bend - 360° adjustable by 45° steps - Ø 60/100 mm, external PVC internal aluminium

010006X0

Vertical concentric connection, Ø 60/100 mm, external PVC internal aluminium

010023X0

Vertical concentric connection, Ø 60/100 mm, aluminium, with condensate drain

010014X0

Vertical concentric connection, Ø 80/125 mm, external PVC internal aluminium

010018X0

Vertical concentric connection, Ø 80/125 mm, with test point, aluminium

010031X0

Twin pipes adaptor Ø 80/80 mm, aluminium

COMBINED KIT

010012X0

Concentric kit 01007X0 + 1KWMA56A
(made by: 90°bend, 1mt terminal pipe, Ø 60/100 mm)

BOILER MATCHING	010007X0	010006X0	010023X0	010014X0	010018X0	010031X0	010012X0
DOMINA	•	•	•	•	•		•
DIVA family	•	•	•	•	•		•
DIVATECH D	•	•	•	•	•		•
SKY F gas water heater	•	•	•	•	•	•	•

Accessories valid for room sealed models only

"Starting accessories" are those immediately in contact with boiler's stack. Listed accessories are used for individual installation (not cascade).

For calculation of max flues lenght, please consult the boiler instruction manual.

FLUES NON-STARTING ACCESSORIES CONDENSING GAS BOILERS

1KWMA56W

1 mt Concentric terminal pipe, Ø 60/100 mm, external PVC, internal PPs.
Includes wall gasket.

1KWMA64W

45° M-F concentric bend, Ø 60/100 mm, external PVC, internal PPs

1KWMA58W

1 mt Concentric terminal pipe, Ø 80/125 mm, external PVC, internal PPs.
Includes wall gasket.

1KWMA72W

45° M-F concentric bend, Ø 80/125 mm, external PVC, internal PPs

1KWMA57W

1 mt M-F concentric extension, Ø 60/100 mm, external PVC, internal PPs

1KWMA88W

90° M-F bend, Ø 60 mm, PPs

1KWMA59W

1 mt M-F concentric extension, Ø 80/125 mm, external PVC, internal PPs

1KWMA65W

45° M-F bend, Ø 80 mm, PPs

041051X0

90° M-F concentric bend, Ø 60/100 mm, PPs

1KWMA70W

Flue or air test point Ø 80 mm (M-F) PPs

1KWMA73W

90° M-F concentric bend, Ø 80/125 mm, external aluminium, internal PPs

041000X0

90° M-F bend, Ø 80 mm, PPs, with test point

1KWMA83W

1 mt M-F pipe, Ø 80 mm, PPs

041049X0

Concentric roof terminal, Ø 60/100 mm, external PVC, internal PPs (∗)

1KWMA01W
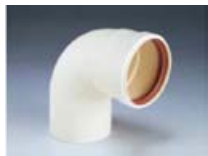
90° M-F bend, Ø 80 mm, PPs

(∗) Includes Ø 132 mm collar (adjustable in height) for connection to Ferroli's roof tiles.

Ferroli

FLUES NON-STARTING ACCESSORIES TRADITIONAL GAS BOILERS AND WATER HEATERS

1KWMA56A

1 mt concentric terminal pipe, Ø 60/100 mm, external PVC, internal aluminium.
Includes wall gasket.

1KWMA31W

45° M-F concentric bend, Ø 60/100 mm, external PVC, internal aluminium

1KWMA66A

1 mt concentric terminal pipe, Ø 60/100 mm, aluminium. Includes wall gasket.

1KWMA72K

45° M-F concentric bend, Ø 80/125 mm, aluminium

1KWMR56A

1 MT concentric terminal pipe, Ø 80/125 mm, aluminium

1KWMA08K

1 mt M-F pipe, Ø 100 mm, aluminium

1KWMA56U

1 mt M-F concentric extension, Ø 60/100 mm, external PVC, internal aluminium

1KWMA38A

0,5 mt M-F pipe, Ø 80 mm, aluminium

1KWMR56U

1 mt M-F concentric extension, Ø 80/125 mm, external PVC, internal aluminium

1KWMA70U

90° M-F bend, Ø 80 mm, aluminium, with test point

1KWMA81W
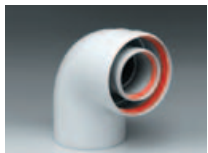
90° M-F concentric bend, Ø 60/100 mm, external PVC, internal aluminium

1KWMA82A

90° M-F bend, Ø 80 mm, aluminium

010002X0
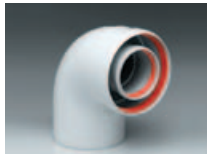
90° M-F concentric bend, Ø 80/125 mm, external PVC, internal aluminium

1KWMA04K
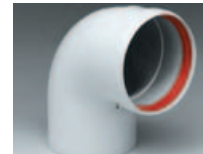
90° M-F bend, Ø 100 mm, aluminium

1KWMA64A

45° M-F concentric bend, Ø 60/100 mm, aluminium

FLUES NON-STARTING ACCESSORIES TRADITIONAL GAS BOILERS AND WATER HEATERS

1KWMA65A

45° M-F bend, Ø 80 mm, aluminium

1KWMA19K

Reduction nipple for flexible pipe, Ø 72/79 mm, stainless steel AISI 316 L

1KWMA03K

45° M-F bend, Ø 100 mm, aluminium

1KWMA02K

90° F-F bend, Ø 80 mm, aluminium

1KWMA01K

45° F-F bend, Ø 80 mm, aluminium

1KWMA16U

Vertical connection, Ø 80 mm, aluminium, with test point

1KWMA03U

M-F reduction, Ø 80-100 mm, aluminium

010025X0

Concentric roof terminal, Ø 60/100 mm, external PVC, internal aluminium (⋆)

(⋆) Includes Ø 132 mm collar (adjustable in height) for connection to Ferroli's roof tiles.
Accessories valid for room sealed models only

Ferroli

FLUES NON-STARTING ACCESSORIES UNIVERSAL USE

Accessories valid for room sealed models only

1KWMA84A

Wall gasket, Ø 80 mm, silicon

1KWMR11A

Wall gasket, Ø 100 mm, silicon

1KWMA91A

Wall gasket, Ø 60 mm, silicon

1KWMR09A

Wall gasket, Ø 125 mm, silicon

1KWMA85A

Air terminal, Ø 80mm, stainless steel

1KWMA14K

Air terminal Ø 100 mm, stainless steel

1KWMA86A

Flue terminal, Ø 80 mm, stainless steel

1KWMA29K

Flue terminal Ø 100 mm, stainless steel

1KWMA90A

Flue terminal, Ø 60 mm, stainless steel

1KWMA07U
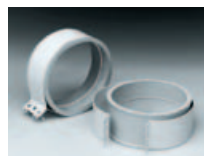
Connection joint, Ø 80 mm, steel

1KWMA08U

Connection joint, Ø 100 mm, steel

1KWMA81U

Roof tile for flat roofs, PVC Ø 132 mm

1KWMA86U

Roof reduction from Ø 125 mm to Ø 80 mm, PVC

1KWMA82U
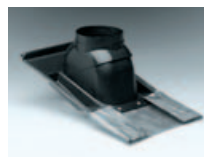
Roof tile for sloping roofs, PVC and lead moldable support Ø 132 mm

010026X0

Concentric roof terminal, Ø 80/125 mm, external plastic, internal aluminium,condensate-proof (✴)

010027X0

Concentric roof terminal, Ø 60/100 mm with adaptor for twin pipe system Ø 80-80 mm, external plastic, internal aluminium, condensate-proof (✴)

WATER ACCESSORIES CONDENSING BOILERS

TEMPLATES
Standard galvanised template

BOILER MATCHING	046044X0	056004X0	016074X0
BLUEHELIX PRO - TECH	●		
BLUEHELIX K		●	
DIVACONDENS			●

CONNECTION KIT
Boiler connection pipings, gas cut off valve, one DHW, two CH valves
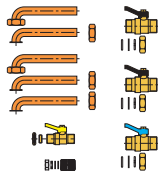
BOILER MATCHING	012029W0
BLUEHELIX PRO	●
BLUEHELIX TECH C	●

CONNECTION KIT
Boiler connection, gas cut off valve, nipples
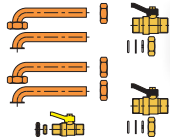
BOILER MATCHING	012006W0
BLUEHELIX TECH A	●

CONNECTION KIT
Boiler connection pipings, gas cut off valve, one DHW, two CH valves
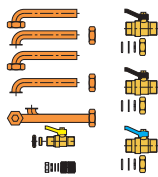
BOILER MATCHING	052003X0
BLUEHELIX K	●

CONNECTION KIT
Boiler connection, gas cut off valve, DHW valve, nipples
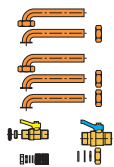
BOILER MATCHING	012036W0
DIVACONDENS	●

DHW STORAGE HANDLING
Probe for DHW storage tank

BOILER MATCHING	1KWMA11W 2 mts cable	043005X0 5 mts cable
BLUEHELIX TECH A - H	●	●
BLUEHELIX B	●	●
ENERGY TOP W	●	●
QUADRIFOGLIO B	●	●
ATLAS D CONDENS UNIT	●	●

Kit for handling DHW storage by means of a (not supplied) thermostat

BOILER MATCHING	013017X0
BLUEHELIX TECH A - H	●
BLUEHELIX B	●
ENERGY TOP W	●
QUADRIFOGLIO B	●
ATLAS D CONDENS UNIT	●

Specific accessories dedicated to one model only: to be checked on respective product page

Ferroli

WATER ACCESSORIES TRADITIONAL WHB

TEMPLATES
Standard galvanised template

BOILER MATCHING	016024X0	016025X0	016074X0
DOMINA 24	•		
DOMINA 28-32		•	
DIVATECH D			•
DIVA (Instant Combi)			•
DIVAPROJECT			•

CONNECTION KIT
Piping, gas cut off valve, one DHW, 2 CH valves
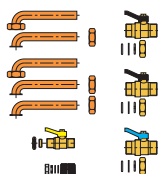
BOILER MATCHING	012036W0	012004W0	012005W0
DIVAPROJECT	•		
DIVA	•		
DOMINA 20-24		•	
DOMINA 28-32			•

DHW STORAGE HANDLING
Probe for DHW storage tank

BOILER MATCHING	1KWMA11W 2 mts cable	043005X0 5 mts cable
DIVA H	•	•

Kit for handling DHW storage by means of a (not supplied) thermostat

BOILER MATCHING	013017X0
DIVA H	•

Specific accessories dedicated to one model only: to be checked on respective product page

Ferroli

WALL HUNG ELECTRIC BOILERS

Ferroli

LEB

WALL-HUNG ELECTRIC BOILER, HEATING ONLY

- **One or three phases** operation
- Output modulation on 6 stages for models 6 ÷ 9, on 12 steps for bigger models
- **Flow temperature compensation** through (optional) outdoor probe
- Heating planning through **internal timer** or optional programmable thermostat
- 2 levels antifrost function
- Modular operation through optional cascade controller
- Includes high efficiency pump with anti-seize function, expansion vessel, bypass
- Can manage an **external DHW tank**

MOD. 9.0

1 ON-OFF
2 Winter/Summer mode switch
3 Reset switch
4 Timing and set switch
5 Setting switch
6 Floor heating mode
7 Setting switch
8 Confirm switch
9 Heating temperature adjustment
10 Hot water temperature adjustment
11 Water pressure gauge
12 LCD display

MODEL			6.0 TS	7.5 TS	9.0 TS	12.0 TS	18.0 TS	24.0 TS
Erp Class			D	D	D	D	D	D
Input power		kW	6	7,5	9	12	18	24
Voltage			1x230V/50Hz or 3x230V/400V/50Hz			3x230V/400V/50Hz		
Current	max	A	41	41	41	3x43	3x43	3x43
Operating temperature in CH	max	°C	80	80	80	80	80	80
Expansion water tank		litres	10	10	10	10	10	10
Operating pressure	max	bar	0,8	0,8	0,8	0,8	0,8	0,8
	min	bar	3	3	3	3	3	3
Flow / return connection		G	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Water filling / drain hole		G	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Protection class		IP	40	40	40	40	40	40
Empty weight		kg	29,5	29,5	29,5	40	40	40
Dimensions	WxHxD	mm	440x740x265	440x740x265	440x740x265	740x440x340	740x440x340	740x440x340

ERP COMPLIANT   CLIMATIC   PUMP
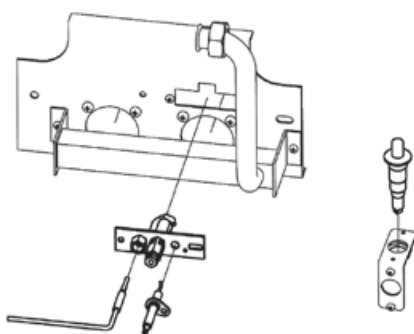
ferroli

FLOOR STANDING BOILERS

PEGASUS 23 - 32 - 45

CAST IRON ATMOSPHERIC GAS BOILER, HEATING ONLY

- Boiler body made of assembled **G 20 cast iron sections,** generously insulated by a rockwool layer externally lined with tearproof material
- Atmospheric burner in stainless steel with electronic ignition and ionization control
- **Analogue control panel** protected with a flip cover
- Control board includes temperature and pressure gauge, ignition switch, safety thermostat with manual reset and temperature setting knob
- **Oversize 1" ½ F system flow and return connections**
- Steel casing painted white by anaphoresis using epoxy powder paint
- Boiler is supplied packed inside a robust wooden crate

SCHEME

CONTROL BOARD

EXTRA EU

MODEL				23	32	45
Heat input	Max Heating		kW	25,3	34,9	49,5
	Min		kW	10,1	14,9	19,7
Heat output	Max Heating		kW	23,0	32,0	45,0
	Min		kW	8,8	13,0	17,2
Efficiency	80°C - 60°C	Pmax %		90,9	91,7	90,9
	30%	%		91,3	91,5	91,6
Number of elements			no.	3	4	5
Heating water content			litres	9,1	11,6	14,1
Heating operating pressure	Max		bar	6	6	6
Empty weight			kg	106	136	164
Dimensions	WxHxD		mm	400x850x615	500x850x615	500x850x615
CODE (see page 5)				**0E4L3MWA**	**0E4L4MWA**	**0E4L5MWA**

Ferroli

PEGASUS T

CAST IRON ATMOSPHERIC GAS BOILER, HEATING ONLY, PILOT IGNITION

- Boiler body made of assembled **G 20 cast iron sections**, generously insulated by a rockwool layer externally lined with tearproof material
- Atmospheric burner in stainless steel with **pilot ignition and termocouple**
- **Analogue control panel** protected with a flip cover
- Control board includes thermometer, pressure gauge, ignition switch, safety thermostat with manual reset and temperature setting knob
- **Oversize 1" ½ F system flow and return connections**
- Steel casing painted white by anaphoresis using epoxy powder paint
- Easy access to combustion assembly and stack, simply removing casing (fixed with quick pressure clips) and respective insulation
- Boiler is supplied packed inside a robust wooden crate

SCHEME

IGNITION ASSEMBLY'S EXPLODED VIEW

MODEL			23	32	45
Heat input	Max Heating	kW	25,3	34,9	49,5
	Min	kW	10,1	14,9	19,7
Heat output	Max Heating	kW	23,0	32,0	45,0
	Min	kW	8,8	13,0	17,2
Efficiency	80°C - 60°C	Pmax %	90,9	91,7	90,9
	30%	%	91,3	91,5	91,6
Number of elements		no.	3	4	5
Heating water content		litres	9,1	11,6	14,1
Heating operating pressure	Max	bar	6	6	6
Empty weight		kg	106	136	164
Dimensions	WxHxD	mm	400x850x615	500x850x615	500x850x615
CODE (see page 5)			**0E4K3MWA**	**0E4K4MWA**	**0E4K5MWA**

PEGASUS D 23 - 32 - 45

CAST IRON ATMOSPHERIC GAS BOILER, HEATING ONLY

- Stainless steel atmospheric burner and gas valve with adjustable output according to the installation's requirement
- Management of optional external storage cylinder, with legionella protection
- System **flow temperature compensation** (with installation of optional outdoor probe)
- Wide backlit **LCD** interface with button control
- Can be connected with **remote control** (optional)
- **Frost protection** system
- Available as optional pump and expansion vessel kit
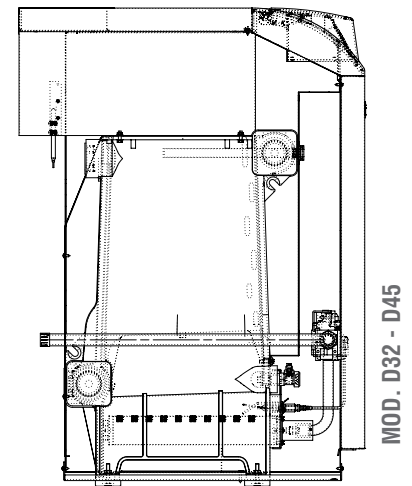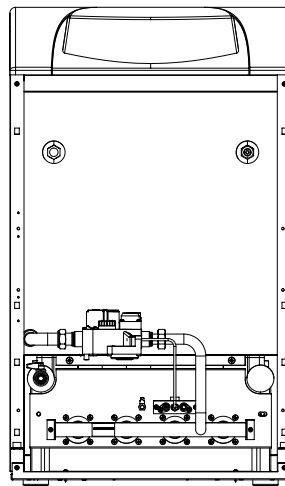
Panel for PEGASUS D range

SCHEME

MOD. D32 - D45

SPECIFIC ACCESSORIES		CODE
Kit including: pump, 14 lts. CH expansion vessel, 1/2" F-F 3 bar safety valve		022002X0
Probe for DHW tank	2 mts	KWMA11W
	5 mts	043005X0
Kit for handling DHW storage by means of a (not supplied) thermostat		013017X0

MODEL			23	32	45
Heat input	Max Heating	kW	25,3	34,9	49,5
	Min	kW	10,1	14,9	19,7
Heat output	Max Heating	kW	23,0	32,0	45,0
	Min	kW	8,8	13,0	17,2
Efficiency	80°C - 60°C	Pmax %	90,9	91,7	90,9
	30%	%	91,3	91,5	91,6
Number of elements		no.	3	4	5
Heating water content		litres	9,1	11,6	14,1
Heating operating pressure	Max	bar	6	6	6
Empty weight		kg	106	136	164
Dimensions	WxHxD	mm	400x850x615	500x850x615	500x850x615
CODE (see page 5)			**0E4L3AWA**	**0E4L4AWA**	**0E4L5AWA**

EXTRA EU   CLIMATIC   REMOTE

Ferroli

PEGASUS D K 130

CAST IRON ATMOSPHERIC GAS BOILER, INCLUDING DOMESTIC HOT WATER ENAMELLED STORAGE TANK

- **3 stars** efficiency according to 92/42 EEC emended by Reg. 812/2013 for 30 and 40 models
- **130 ltrs** enamelled steel hot water **storage**
- Digital control panel suitable for connection to opentherm **modulating remote control** and **outdoor probe** (optionals)
- Evolved **digital** interface for planning and monitoring of CH-DHW temperatures and advanced features (economy, legionella protection, troubleshooting ect)
- Stainless steel AISI 304 atmospheric gas burner
- Gas valve with adjustable output according to the installation's requirement, thus allowing unchanged combustion quality and excellent performances
- DHW expansion vassel and filling valve are not supplied
- Central Heating **frost protection** system
- DHW storage tanks are equipped with connection for a recirculation loop, for immediate availability of hot water to the user

SCHEME

MOD. D45 K 130

EXTRA EU | **CLIMATIC** | **REMOTE**
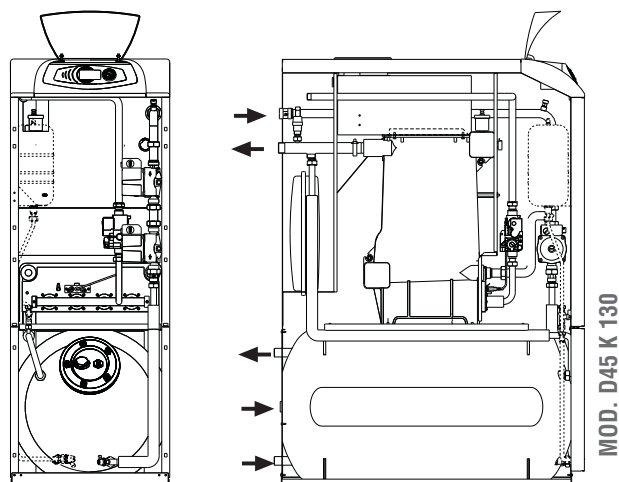
ATTENTION:
DHW expansion vessel and filling valve are not supplied.
The drawing represents a possible lodging of a generic expansion vessel

MODEL			D 30 K 130	D 40 K 130	D 45 K 130
Heat input	Max Heating	kW	32,2	42,9	49,5
	Min	kW	14,9	19,7	19,7
Heat output	Max Heating	kW	30,2	40,1	45,0
	Min	kW	13,5	17,7	17,2
Efficiency	80°C - 60°C	Pmax %	93,7	93,5	90,9
	30% partial load	%	91,8	92,5	91,6
Section		Quantity	4	5	5
DHW content		litres	130	130	130
DHW production	Δt 30°C	l/10min	250	250	250
	Δt 30°C	l/h	850	850	850
Heating operating pressure	Max	bar	6	6	6
Empty weight		kg	250	275	275
Dimensions	WxHxD	mm	500x1345x950	500x1345x950	500x1345x950
CODE (see page 5)			**0F4U4TWA**	**0F4U5TWA**	**0F4U5DWA**

ferroli

PEGASUS

CAST-IRON ATMOSPHERIC GAS BOILER, HEATING ONLY

- Boiler body made of assembled **G20 cast iron sections**, generously insulated by a rockwool layer externally lined with tearproof material
- Atmospheric burner with AISI 304 steel heads, electronic ignition with intermittent pilot flame and safety device detecting the ionisation current produced by the flame
- Variable heat input, with **two-stages** operation (except model 56)
- Flues collector with semi-integrated antirefouleur and flues test point
- For smaller boilers (56÷107 kW) element with factory name "B.A.G. 21" is used, whereas for higher outputs (119÷289 kW) a bigger element (namely "LS3") is used
- Efficient operation thanks to the **large heat exchange surface** of the cast-iron section, and the generous insulation of the boiler body
- Possibility to install the modules in cascade with a side-by-side or back-to-back layout
- Steel casing painted white by anaphoresis using epoxy powder paint
- Control board is **preset** for integration of an electronic controller

Element mod. 119÷289 Type LS3

SCHEME

MOD. 56

MOD. 67 ÷ 289
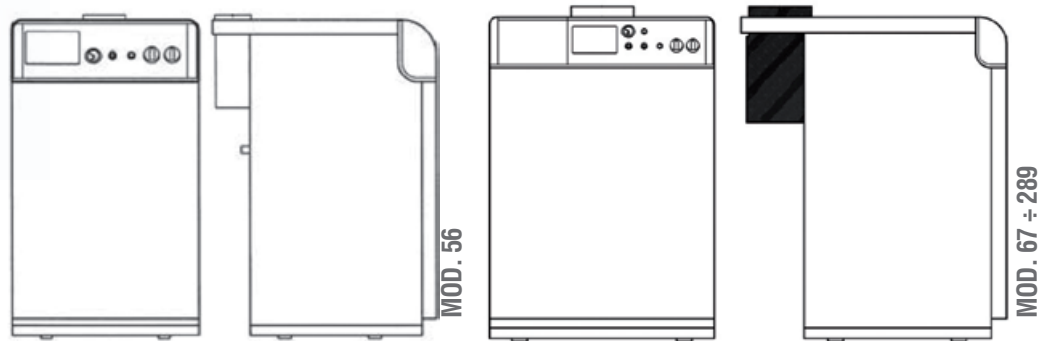
MODEL			56	67	77	87	97	107	119	136	153	170	187	221	255	289
Heat input	Max	kW	61,6	73,3	84,2	95,2	106,0	117,0	131,0	149,0	168,0	187,0	206,0	243,0	280,0	317,0
	Min	kW	24,5	31,0	35,7	40,3	45,0	49,0	77,0	89,0	100,0	110,0	122,0	144,0	166,0	188,0
Heat output	Max	kW	56,0	67,0	77,0	87,0	97,0	107,0	119,0	136,0	153,0	170,0	187,0	221,0	255,0	289,0
	Min	kW	21,6	27,3	31,4	35,5	39,6	43,0	71,0	82,0	92,0	102,0	112,0	133,0	153,0	173,0
Efficiency	80-60°C	Pmax %	90,9	91,4	91,5	91,4	91,5	91,5	91,2	91,3	91,4	91,5	91,6	91,7	91,9	92,0
Number of elements		no.	6	7	8	9	10	11	8	9	10	11	12	14	16	18
Operating temperature	Max	°C	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Heating operating pressure	Max	bar	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Heating water content		litres	16,6	19,1	21,6	24,1	26,6	29,1	38	42	46	50	54	62	70	78
Depth		mm	83	760	760	760	760	760	760	1050	1050	1050	1050	1050	1050	1050
Height		mm	600	760	850	930	1020	1100	930	1020	1100	1190	1270	1440	1610	1780
Width		mm	850	970	970	970	970	970	1050	1050	1050	1050	1050	1050	1050	1050
CODE (see page 5)			0E4L6AWA	0E4L7AWA	0E4L8AWA	0E4L9AWA	0E4LAAWA	0E4LBAWA	0E2L8AWA	0E2L9AWA	0E2LAAWA	0E2LBAWA	0E2LCAWA	0E2LEAWA	0E2LGAWA	0E2LIAWA

Ferroli

ATLAS

3 PASS-FLUES BOILER, FOR OIL OR GAS JET BURNER, HEATING ONLY

- High efficiency cast iron boiler body, featuring **3 pass** technology, insulated with high density rockwool
- **Silent** operation thanks to low flues turbulence
- Widely copes with requirements for **2 stars** efficiency according to directive 92/42 EEC, emended by Reg. 812/2013
- **Conic chimney stack**, in order to easily adapt to different tolerances of flue pipes diameters
- **Analogue** control panel with smart fume cover
- Control board includes thermometer, ignition switch, safety thermostat with manual reset and temperature setting knob
- Stylish steel jacket painted by anaphoresis with epoxy powder
- **Available** complete range of one and 2 stages **burners** to be easily fitted, both for gas or liquid fuel

SCHEME
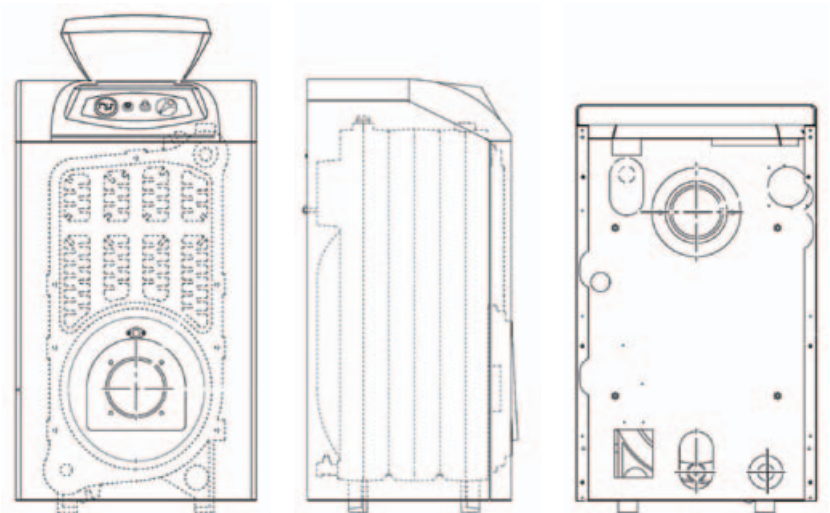
REG. 812/2013

MODEL			32	47	62	78	95
Heat input	Max Heating	kW	34,9	51,6	67,7	85,6	103,2
Heat output	Max Heating	kW	32,0	47,0	62,0	78,0	95,0
Efficiency	80°C - 60°C	Pmax %	91,7	91,1	91,5	91,1	92,0
	30% load	%	94,3	93,5	94,0	93,5	93,8
Number of element		no.	3	4	5	6	7
Heating water content		litres	18	23	28	33	38
Heating operating pressure	Max	bar	6	6	6	6	6
Flues pressure drop		mbar	0,2	0,27	0,4	0,4	0,63
Empty weight		kg	127	166	205	244	283
Dimensions	WxHxD	mm	500x850x400	500x850x500	500x850x600	500x850x700	500x850x800
CODE (see page 5)			**0IHJ3AWA**	**0IHJ4AWA**	**0IHJ5AWA**	**0IHJ6AWA**	**0IHJ7AWA**

ATLAS D 30÷87

3 PASS-FLUES BOILER, FOR OIL OR GAS JET BURNER, HEATING ONLY

- High performing **three-pass** cast iron boiler body, granting silent operation
- **3 stars** efficiency according to 92/42 EEC, emended by Reg. 812/2013
- Digital, single-view control panel suitable for connection to Opentherm **remote control** and **outdoor probe**
- Evolved **digital** interface for settings and monitoring of temperatures, pressure and advanced features
  (economy, flow temperature compensation, troubleshooting)
- Self-diagnostic micro processor
- Central Heating **frost protection system**
- Built-in handling of a DHW tank
- Easy-to-maintain thanks to **hinged** combustion chamber **door**
- **Conic chimney stack**, in order to easily adapt to different tolerances of flue pipes diameters

SCHEME
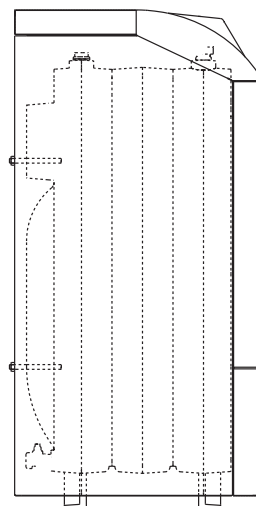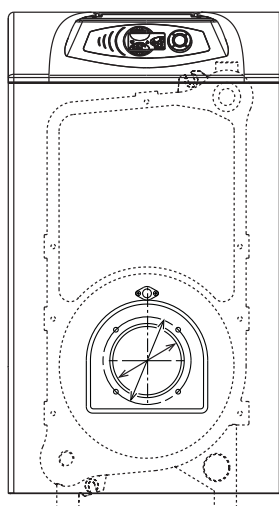
MOD. 30

Panel for ATLAS D range

SPECIFIC ACCESSORIES		CODE
Probe for DHW tank	2 mts	KWMA11W
	5 mts	043005X0
Kit for handling DHW storage by means of a (not supplied) thermostat		013017X0

MODEL			30	42	55	70	87
Heat input	Max Heating	kW	32,2	45	58,8	74,7	92,6
	Min	kW	16,9	31,8	44,7	58,5	74,3
Heat output	Max Heating	kW	30,0	42,0	55,0	70,0	87,0
	Min	kW	16,0	30,0	42,0	55,0	70,0
Efficiency	80°C - 60°C	Pmax %	93	93,9	93,5	93,7	93,9
	30% load	%	94,6	94,1	93,7	93,8	94,6
Number of elements		no.	3	4	5	6	7
Heating water content		litres	18	23	28	33	38
Heating operating pressure	Max	bar	6	6	6	6	6
Pressure drop on flues side		mbar	0,22	0,3	0,45	0,55	0,68
Empty weight		kg	127	166	205	244	283
Dimensions	WxHxD	mm	500x850x400	500x850x500	500x850x600	500x850x700	500x850x800
CODE (see page 5)			0IHJ3HWA	0IHJ4HWA	0IHJ5HWA	0IHJ6HWA	0IHJ7HWA

REG. 812/2013   REMOTE   CLIMATIC

ATLAS D 25÷75

3 PASS-FLUES BOILER, FOR OIL JET BURNER, HEATING ONLY

- Can **handle** a CH **pump** and a DHW pump or diverting valve, both with anti-seize function
- Can **handle** as a standard a DHW **tank** with legionella programmable protection
- Burner door and front jacket optimised for easy **installation of the burner**
- The burner door features reversible hinges and can be quickly opened for inspection and cleaning
- In EU shall be equipped with Ferroli oil burner shown in the chart herebelow or alternatively with an oil burner with electric input ≤ 180 W (mod. 25-37) or ≤ 200 W (mod. 50÷75)
- Possible matching, outside EU, with an oil or gas burner
- Conic 120-130 mm stack, to fit different tolerances adopted by flues producers

MOD. 25

TURBOLATORS
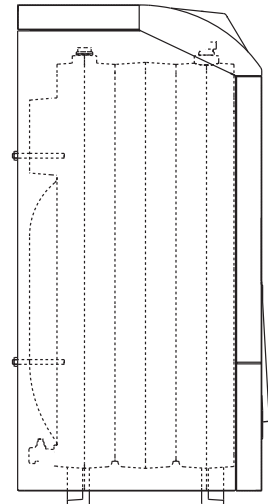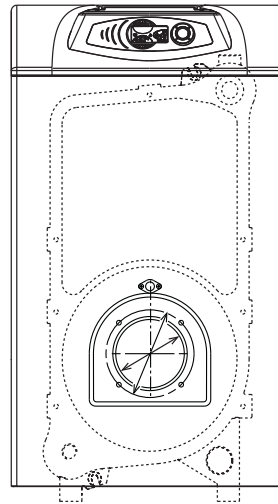
SPECIFIC ACCESSORIES		CODE
Probe for DHW tank	2 mts	KWMA11W
	5 mts	043005X0
Kit for handling DHW storage by means of a (not supplied) thermostat		013017X0

MODEL		D 25	D 37	D 50	D 63	D 75
Number of sections	no.	3	4	5	6	7
ERP class		B	B	B	B	B
Heating seasonal efficiency		86	86	87	86	86
Heating capacity (min-max)	kW	22,4 - 28,3	22,3 - 41,9	33,4 - 56,6	44,5 - 71,3	55,8 - 86,4
Heat output in heating (min-max)	kW	20 - 25	20 - 37	30 - 50	40 - 63	50 - 75
Efficiency Pmax (80-60°C)	%	88,2	88,3	88,4	88,4	88,7
Working pressure in heating (min-max)	bar	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6
Heating water content	litres	18	23	28	33	38
Protection rating	IP	X0D	X0D	X0D	X0D	X0D
Power supply voltage	V/Hz	230/50	230/50	230/50	230/50	230/50
Empty weight	kg	127	166	205	244	283
Pressure drop on flues side	mbar	0,11	0,35	0,38	0,5	0,6
Ferroli burner matching		SUN G6 *	SUN G6 *	SUN G10	SUN G10	SUN G10
CODE (see page 5)		**0IHJ3PWA**	**0IHJ4PWA**	**0IHJ5PWA**	**0IHJ6PWA**	**0IHJ7PWA**

* Model G6R can be used as an alternative in non-EU countries

ferroli
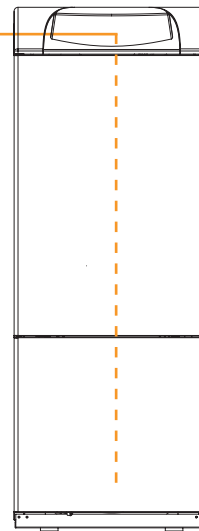
ATLAS D UNIT

3 PASS-FLUES OIL BOILER, HEATING ONLY

- Already fit with **Ferroli light oil burner**
- The embedded position of the burner inside the casing, together with plastic cover's internal lining, drastically reduce sound pressure
- In addition 3 pass flues layout of the boiler body decrease also turbulence, permitting a particular **silent operation**
- Can handle a CH pump and a DHW pump or diverting valve, both with anti-seize function. System **circulator** already included on models 25 and 37
- Can **handle** a free-standing DHW **tank** with legionella protection
- Conic 120-130 mm stack, to fit different tolerances adopted by flues producers

SCHEME

Control panel

MOD. 25

| ERP COMPLIANT | REMOTE | CLIMATIC |
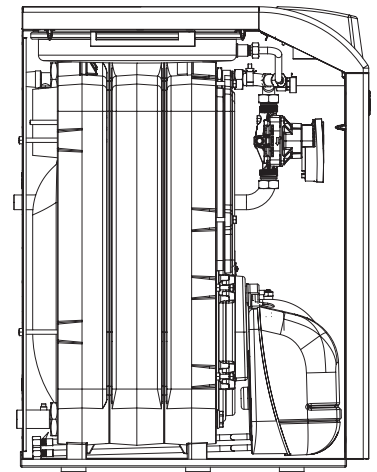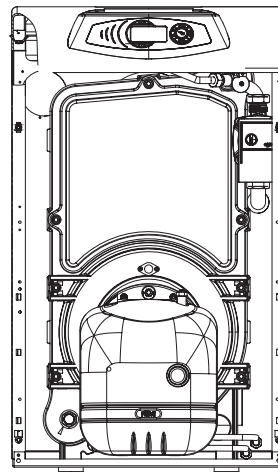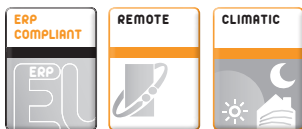
MODEL		25 UNIT	37 UNIT	50 UNIT
Number of elements	no.	3	4	5
ERP class		B	B	B
Heating seasonal efficiency		86	86	87
Heating capacity (min-max)	kW	22,4 - 28,3	22,3 - 41,9	33,4 - 56,6
Heat output in heating (min-max)	kW	20 - 25	20 - 37	30 - 50
Efficiency Pmax (80-60°C)	%	88,2	88,3	88,4
Operating pressure in heating (min-max)	bar	0,8 - 6	0,8 - 6	0,8 - 6
Heating water content	litres	18	23	28
Heating expansion tank capacity	litres	10	12	-
Protection rating	IP	X0D	X0D	X0D
Power supply voltage	V/Hz	230/50	230/50	230/50
Empty weight	kg	157	196	232
CODE (see page 5)		**0JHL3PWA**	**0JHL4PWA**	**0JHL5PWA**

Ferroli

ATLAS D SI UNIT

3 PASS-FLUES OIL BOILER, INSTANT COMBI

- Already fit with **Ferroli light oil burner**
- The embedded position of the burner inside the casing, together with its plastic cover internally lined, drastically reduce sound pressure
- Instantaneous DHW production through stainless **steel plate exchanger** fed by diverting valve. Priority to DHW, activated by flow switch.
- **Comfort** settable function, which allows to keep DHW exchanger warm. Tap water supply is consequently very quick. The function may be also weekly planned, in case Romeo remote control is used.
- Conic 120-130 mm stack, to fit different tolerances adopted by flues producers
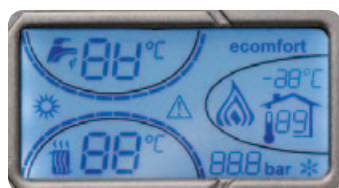
Display indications

SCHEME
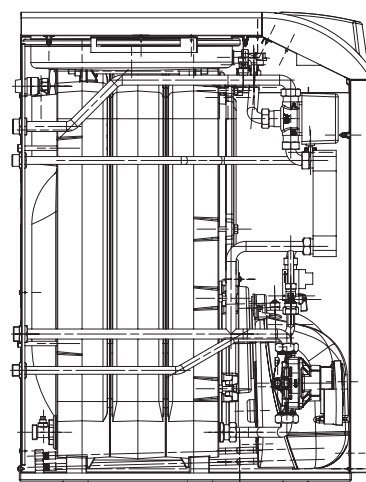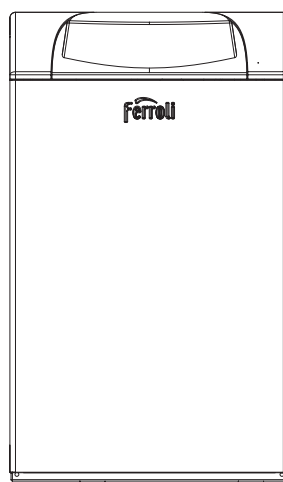
MOD. 25

MODEL		25 SI UNIT	37 SI UNIT
Number of elements	no.	3	4
ERP class		B	B
		XL B	XXL B
Heating seasonal efficiency		86	86
Heating capacity (min - max)	kW	22,4 - 28,3	22,3 - 41,9
Heat output (min - max)	kW	20 - 25	20 - 37
Efficiency Pmax (80-60°C)	%	88,2	88,3
Operating pressure in heating (min - max)	bar	0,8 - 6	0,8 - 6
Heating water content	litres	20	25
Heating expansion tank capacity	litres	8	10
DHW flowrate Δt 25°C	l/min	14,3	21,2
DHW flowrate Δt 30°C	l/min	11,9	17,7
Protection rating	IP	X0D	X0D
Power supply voltage	V/Hz	230/50	230/50
Empty weight	kg	160	200
CODE (see page 5)		**0LHC3PWA**	**0LHC4PWA**

ferroli

ATLAS D K UNIT

3 PASS-FLUES OIL BOILER, STORAGE COMBI

- Already fit with **Ferroli light oil burner**
- The embedded position of the burner inside the casing, together with its plastic cover's internal lining, drastically reduce sound pressure
- Includes a **DHW tank**, equipped with recirculation connection. Legionella protection function, managed by microprocessor
- The tank is with **enamelled** lining, protected by a magnesium anode
- **Two pumps**, for system and the tank, both with anti-seize function

ECO : DHW preparation disabled

COMFORT : keeps DHW set point temperature inside the tank

Eco function through (optional) Romeo remote control: exclusion of DHW preparation can be planned on weekly basis

SCHEME

MOD. 25

ERP COMPLIANT | REMOTE | CLIMATIC
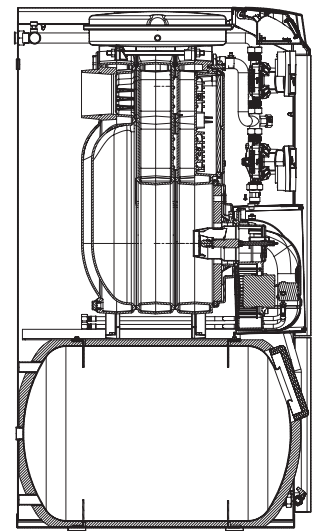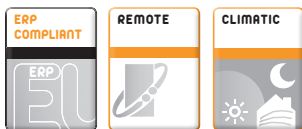
| MODEL		D 25 K 100 UNIT	D 37 K 130 UNIT
Number of elements	no.	3	4
ERP class	🌡	B	B
	🚰	XL B	XXL B
Heating seasonal efficiency		86	86
Heating capacity (min-max)	kW	22,4 - 28,3	22,3 - 41,9
Heat output in heating (min-max)	kW	20 - 25	20 - 37
Efficiency Pmax (80-60°C)	%	88,2	88,3
Operating pressure in heating	bar	0,8 - 6	0,8 - 6
Heating water content	litres	21	26
Heating expansion tank capacity	litres	8	10
Operating pressure in DHW (min-max)	bar	0,1 - 9	0,1 - 9
DHW tank content	litres	90	117
DHW expansion tank capacity (optional)	litres	3	3
Hot water flow rate Δt 30°C	l/10 min	195	250
Hot water flow rate Δt 30°C l/h	l/h	750	850
Protection rating	IP	X0D	X0D
Power supply voltage	V/Hz	230/50	230/50
Empty weight	kg	225	265
CODE (see page 5)		**0LHU3PWA**	**0LHU4PWA**

Ferroli

GN2 N

CAST-IRON BOILER, SUITABLE FOR INSTALLATION OF AN OIL OR GAS JET BURNER

- High efficiency floor-standing heat generator fitted for jet burners on liquid and/or gas fuel, with **partial flame reversal** and one flue pass, cooled combustion chamber, for the production of hot water for central heating
- G20 cast-iron boiler body made from pre-assembled elements (6÷14) with steel cone inserts and boiler studs, insulated by a layer of rock wool lined by special tear-proof material.
- Control board includes: temperature and pressure gauge, overheat cut-off thermostat, switch on/off test, presetting led for the burner lockout, 2 stages regulation thermostat, lodging for an electronic controller
- Supplied in **three boxes**:
    1) boiler body in a wooden crate
    2) jacket packaged in a cardboard box
    3) instrument panel packaged in a cardboard box
- **Fitted for two-stage burners**

SCHEME

REG.
812/2013
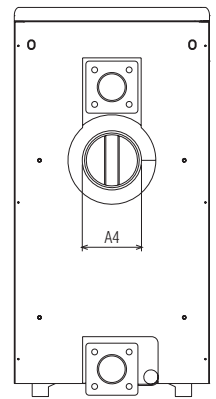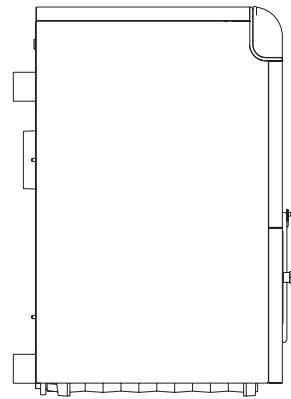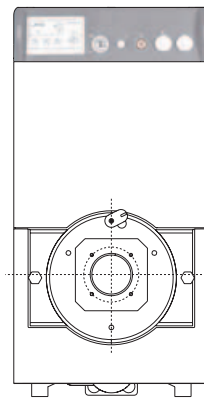
| MODEL			GN 2 N 06	GN 2 N 07	GN 2 N 08	GN 2 N 09	GN 2 N 10	GN 2 N 11	GN 2 N 12	GN 2 N 13	GN 2 N 14
Heat input	Max	kW	116,0	136,9	156,5	176,0	195,6	215,2	234,7	254,3	273,9
	Min	kW	95,0	110,0	125,0	140,0	155,0	170,0	185,0	200,0	215,0
Heat output	Max	kW	107,0	126,0	144,0	162,0	180,0	198,0	216,0	234,0	252,0
	Min	kW	87,0	101,0	115,0	129,0	143,0	157,0	171,0	185,0	199,0
Number of elements		no.	6	7	8	9	10	11	12	13	14
Water content		dm³	57	65	73	81	89	97	105	113	121
Combustion chamber	volume	dm³	77,0	91,0	104,0	118,0	132,0	146,0	160,0	174,0	187,0
Heating operating pressure	Max	bar	6	6	6	6	6	6	6	6	6
Pressure drop: combustion chamber		Δp mbar	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
hydraulic		ΔT 20°C	-	0,5	0,8	1,8	2,2	2,6	3,2	4,0	4,5
Boiler body weight		kg	361	412	463	514	565	616	670	725	780
Dimensions	A4	mm	180			200					
	WxHxD	mm	600x1196x757	600x1196x867	600x1196x977	600x1196x1087	600x1196x1197	600x1196x1307	600x1196x1417	600x1196x1527	600x1196x1637
CODE (see page 5)			0I7J6BWA	0I7J7BWA	0I7J8BWA	0I7J9BWA	0I7JABWA	0I7JBBWA	0I7JCBWA	0I7JDBWA	0I7JEBWA

GN4 N

CAST-IRON 3 PASS-FLUES BOILER, SUITABLE FOR INSTALLATION OF AN OIL OR GAS JET BURNER

- High efficiency heat generator for liquid or gas fuel, **three flue passes**, cooled combustion chamber, for the production of hot water for central heating, suitable for operation either connected to a **traditional system** or connected to a **low temperature heating system**, with a minimum return temperature of 35°C
- G20 cast-iron boiler body made of sections to be assembled when installing the generator in the boiler room
- **Fitted for two-stage burners**

LOW TEMPERATURE OPTION

GN4 N is equipped with a double CH flow connection, thus offering the possibility of connection to circuits with different operating temperatures.

CH FLOW CONNECTION

CH RETURN CONNECTION
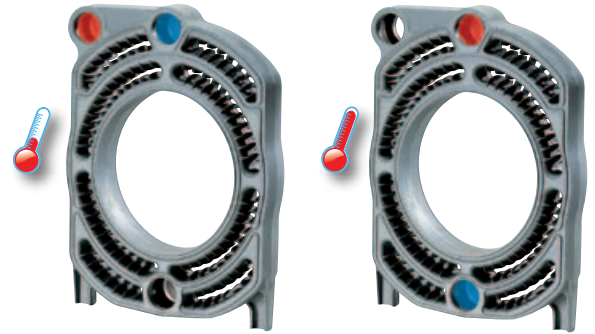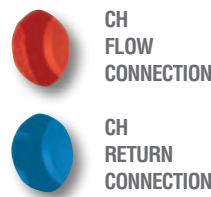
LOW TEMPERATURE CIRCUIT
with minimum CH return temperature 35°C

HIGH TEMPERATURE CIRCUIT
flow from upper connection and return to the lower one

SCHEME
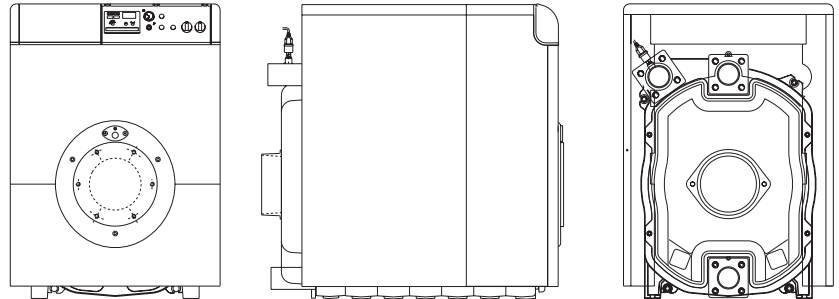
SPECIFIC OPTION: 037000X0 section assembling tool for cast iron boilers

REG. 812/2013

* FOR GN4 N 07÷10, IN EUROPEAN COMMUNITY CAN BE SOLD ONLY AS A REPLACEMENT OF AN IDENTICAL MODEL

MODEL			GN 4 N 07	GN 4 N 08	GN 4 N 09	GN 4 N 10	GN 4 N 11	GN 4 N 12	GN 4 N 13	GN 4 N 14
Heat input	Max	kW	217	270	324	388	452	516	600	695
	Min	kW	128	170	192	229	266	309	352	416
Heat output	Max	kW	200	250	300	360	420	480	560	650
	Min	kW	120	150	180	215	250	290	330	390
Efficiency		Pmax %	92,2	92,9	92,6	92,8	92,9	93,0	93,3	93,5
	30%	%	95,4	96,0	96,5	97,1	97,1	97,2	97,3	97,3
Number of elements		no.	7	8	9	10	11	12	13	14
Water content		dm³	143	163	183	203	223	243	263	283
Combustion chamber	volume	dm³	161,3	185,1	208,9	232,8	256,6	280,4	304,3	328,1
Heating operating pressure	Max	bar	6	6	6	6	6	6	6	6
Pressure drop: combustion		Δp mbar	0,5	0,8	0,7	1,0	1,4	1,7	2,6	3,5
chamber hydraulic		ΔT 20°C	20	30	42	54	65	77	88	100
Boiler body weight		kg	940	1050	1170	1270	1400	1510	1630	1740
Dimensions	WxHxD	mm	850x1193x1040	850x1193x1170	850x1193x1300	850x1193x1430	850x1193x1560	850x1193x1690	850x1193x1820	850x1193x1950
CODE (see page 5)			**0I9J7CWA**	**0I9J8CWA**	**0I9J9CWA**	**0I9JACWA**	**0I9JBCWA**	**0I9JCCWA**	**0I9JDCWA**	**0I9JECWA**

Ferroli

SFL

CAST IRON SOLID FUEL BOILER, HEATING ONLY

- Cast-iron boiler, **wood** or **coke** fired as a standard, or can be converted to **pellet** operation through a suitable kit
- Pellet conversion kit can be chosen for **pellet only permanent operation** (single door) or for **reversible pellet operation** (double door)
- Generous combustion chamber and large loading door, with front access
- **Adjustable smokes deflector** on back flues outlet
- Stainless steel ash tray with easy front access
- **Thermostatic regulator** supplied as a standard, in order to control flow temperature and combustion quality as well as consumptions
- Available as an option a safety overtemperature kit in case boiler's temperature reaches 95°C

DOUBLE DOOR SYSTEM FOR QUICKEST FUEL CONVERSION! (wood to pellet and viceversa)

DESCRIPTION		CODE
	Safety valve + coil mod. 3[1]	032010X0
	Safety valve + coil mod. 4[1]	032011X0
	Safety valve + coil mod. 5[1]	032012X0
	Safety valve + coil mod. 6[1]	032013X0
	Safety valve + coil mod. 7[1]	032014X0
	Kit permanent pellet conversion SUN P7 (SFL 3-4)[2]	035003X1
	Kit permanent pellet conversion SUN P12 (SFL 5÷7)[2]	035005X0
	Kit reversible pellet conversion SUN P7 (SFL 3-4)[3]	035004X0
	Kit reversible pellet conversion SUN P12 (SFL 5÷7)[3]	035006X0

[1] Mandatory in EU in case of wood or coke operation
[2] Consists in burner plate to be hinged on right side of the boiler
[3] Consists in burner plate to be hinged on left side of the boiler, complete with microswitch

MODEL			3	4	5	6	7
Thermal output	wood	kW	19,0	27,0	36,0	43,0	50,0
	coke	kW	22,5	32,5	42,5	52,5	63,5
	pellet	kW	22,0	30,0	36,0	42,0	48,0
Number of elements		no.	3	4	5	6	7
Efficiency (EN 303-5)	wood - coke	class	3	3	3	3	3
	pellet	class	5	5	5	5	5
Burner matching			SUN P7	SUN P7	SUN P12	SUN P12	SUN P12
Water content		litres	26	30	34	38	42
Chamber content		dm³	48	68	88	108	128
Heating operating pressure	Max	bar	4	4	4	4	4
Empty weight		kg	193	241	289	337	385
Dimensions	WxHxD	mm	520x940x423	520x940x533	520x940x643	520x940x753	520x940x863
CODE (see page 5)			0ICJ3TWA	0ICJ4TWA	0ICJ5TWA	0ICJ6TWA	0ICJ7TWA

SUN P

JET PELLET BURNER
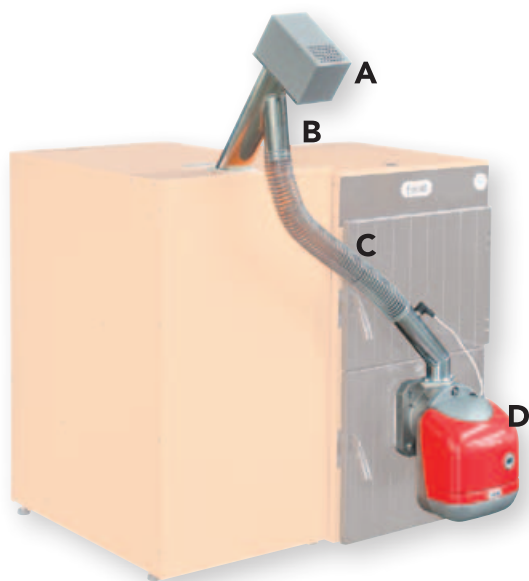
- Burner supplied with pellet feed system, complete with motor and feeding screw
- Output modulation in **5 steps**
- Burner first ignition through **electric heater**
- Electronic board with **display** interface allows full operation setting and customisation to the installer (fan's head, screw activation - pellet loading)
- Weekly **timer**
- Heat request through timer and/or room thermostat
- Flue gas return **safety thermostat** set to 85°C
- Can be combined with a **storage box** (optional), available in the same colour of the boiler in two capacities (195 or 350 lts)

A feeding motor
B screw feed assembly
C PVC flexible feeding pipe
D burner unit

PELLET STORAGE BOX
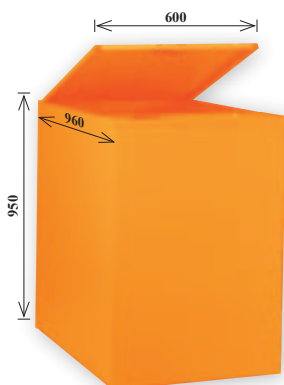
cod. 096004X0
Pellet container
350 dm³ - about 280 kgs
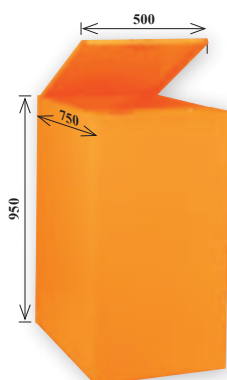
cod. 096002X0
Pellet container
195 dm³ - about 180 kgs

SUN P7
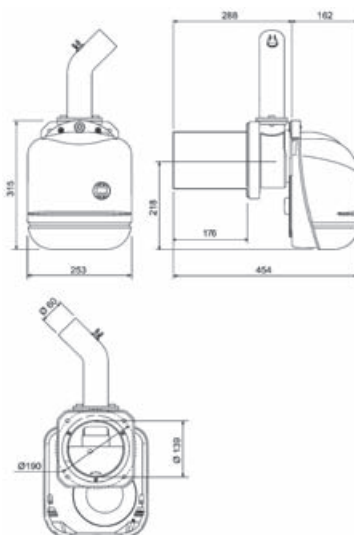
SUN P12
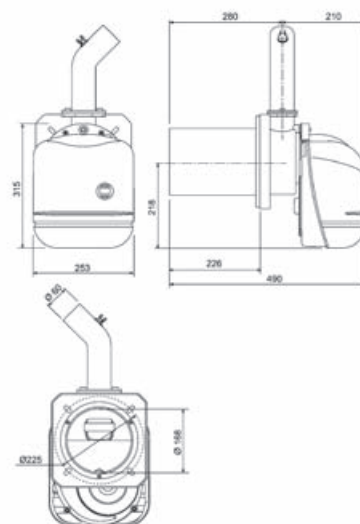
* CODE REFERS TO BURNER WITH ITS MOTOR AND SCREW FEED ONLY

ACCESSORIES

DESCRIPTION	CODE
Pellet storage box (unassembled) untill 195 dm³	096002X0
Pellet storage box (unassembled) untill 350 dm³	096004X0
Safety thermostat for pellet burner (Applicable only for PERMANENT, IRREVERSIBLE conversion to pellet)	033001X0

MATCHING BURNER/BOILER

BOILER		BURNER	
MODEL	CODE	MODEL	CODE *
SFL 3	0ICJ3TWA	SUN P7	0U2F6PXA
SFL 4	0ICJ4TWA		
SFL 5	0ICJ5TWA	SUN P12	0U2F8PXA
SFL 6	0ICJ6TWA		
SFL 7	0ICJ7TWA		

MODEL			7	12
Heat input	Min	kW	13,7	30,0
	Max	kW	34,1	55,0
Pellet flow rate	Min	kg/h	2,9	6,3
	Max	kg/h	7,2	11,6
Power voltage/frequency		V/Hz	230/50	230/50
Empty weight		kg	11	13,5
CODE*(see page 5)			0U2F6PXA	0U2F8PXA

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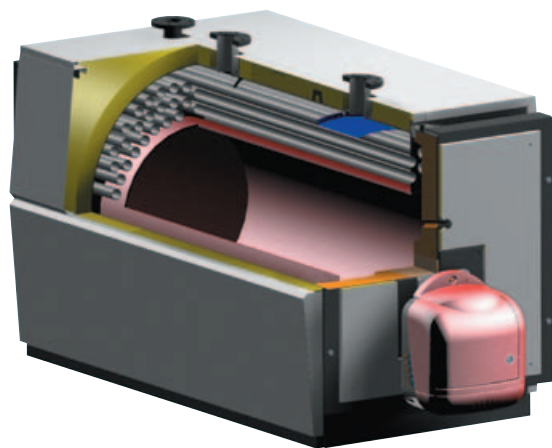
PREXTHERM RSW

PRESSURISED STEEL BOILER

QUADRA VERSION
92 ÷ 1890

- Pressurised steel boiler, fit for installation of a jet burner, operating with gas or liquid fuel
- **Reverse flame** boiler body, fully insulated with a 80 mm thick layer of glass wool
- Front door with double layer of insulation and **reversible opening** (right and left) and door centering in a unique mechanism
- Carefully designed with a system optimising fluid circulation inside the boiler, thus improving thermal exchange and minimising stress on the materials
- Prextherm RSW is supplied either with a **thermostatic control panel** or with an **evolved version**, featuring EBM system (Efficient Boiler Management), i.e. an electronic controller which offers a customisable management of the boiler and circuit
- **Max operating pressure: 6 bar**. Higher pressure specifications upon demand

TONDA VERSION
2360 ÷ 6000

*

REG.
812/2013

* FOR MODELS 92÷399, IN EUROPEAN COMMUNITY CAN BE SOLD ONLY AS A REPLACEMENT OF AN IDENTICAL MODEL

MANDATORY OPTIONS
(to be chosen between the 2 models):
Thermostatic control panel   0Q2K09XA
EBM electronic control panel   0QC070XA

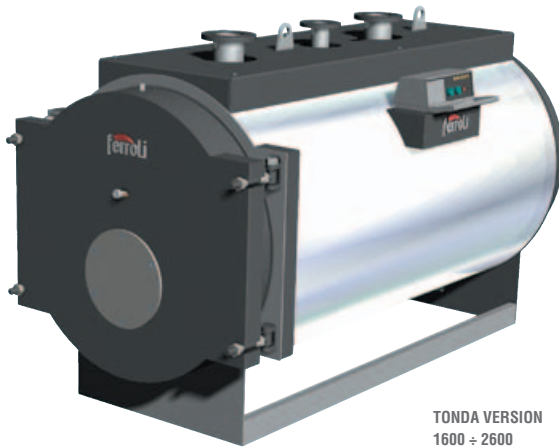| MODEL	Heat output		Heat input		Pressure drop flue gas side	Empty weight	Width	Height	Depth	CODE
	min kW	max kW	min kW	max kW	mbar	kg	mm	mm	mm	(see page 5)
92	60	92	64,3	99,5	0,5	260	760	925	1046	0QC000XA
107	70	107	75	116	0,7	350	760	925	1046	0QC100XA
152	100	152	107,3	165	1,2	440	810	980	1296	0QC200XA
190	137	190	147,4	206	1,2	480	810	980	1296	0QC300XA
240	160	240	170,9	261	2,3	550	810	980	1516	0QC400XA
300	196	300	209,5	326	3,3	590	950	1100	1546	0QC600XA
350	228	350	277,5	378	3,5	860	950	1100	1816	0QC700XA
399	260	399	364,5	432	4,4	970	950	1100	1816	0QC800XA
525	341	525	417	567	4,3	1250	1060	1250	1838	0QCB00XA
600	390	600	495	648	4,8	1420	1060	1250	2098	0QCD00XA
720	468	720	502	777	4,5	1420	1260	1400	2158	0QCE00XA
820	533	820	566	881	5,6	1580	1260	1400	2158	0QCF00XA
940	611	940	651	1011	5,4	2650	1260	1400	2398	0QCG00XA
1060	689	1060	731	1140	6,0	2650	1450	1580	2420	0QCH00XA
1250	813	1250	884	1359	6,5	2850	1450	1580	2420	0QCJ00XA
1480	962	1480	1046	1608	6,5	2850	1530	1730	2722	0QCL00XA
1600	1040	1600	1158	1736	6,8	2850	1530	1730	2722	0QCN00XA
1890	1229	1890	1336	2054	7,0	2850	1530	1730	2722	0QCP00XA
2360	1535	2360	1668	2565	7,2	3900	1610	1950	3232	0QCS00XA
3000	1950	3000	2113	3250	7,5	5300	1800	2140	3446	0QCU00XA
3600	2340	3600	2536	3900	8,2	5800	1800	2140	3816	0QCV00XA
4000	2600	4000	2819	4334	9,5	7500	1980	2325	4086	0QCW00XA
4500	2926	4500	3165	4868	10,5	8000	1980	2325	4436	0QCX00XA
5000	3251	5000	3515	5407	10,8	9600	2180	2525	4458	0QCY00XA
6000	3902	6000	4215	6483	12,0	11500	2180	2525	4958	0QCZ00XA

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PREXTHERM RSH

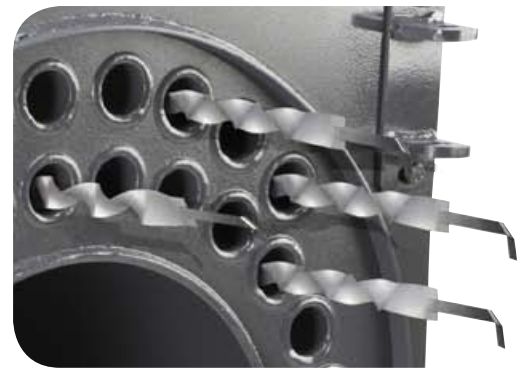## HIGH EFFICIENCY PRESSURISED STEEL BOILER

QUADRA VERSION
80 ÷ 1300

- **Reverse flame** boiler body, fully insulated with a 80 mm thick layer of glass wool
- High efficiency. Ranges between 94% and 96% on LCV (t_{avg} 70°C)
- Combustion chamber is completely cooled, even in the back side
- Front door with double layer of insulation and **reversible opening** (right and left)
- The flue pipes protrudes from the rear plate by a few millimetres in order to increase the temperature near the welding and prevents the formation of condensate
- **Max operating pressure: 6 bar**. Higher pressure specifications upon demand
- Prextherm RSH is supplied either with a **thermostatic control panel** or with an **evolved version**, featuring EBM system (Efficient Boiler Management), i.e. an electronic controller which offers a customisable management of the boiler and circuit

TONDA VERSION
1600 ÷ 2600

TURBULATORS

REG. 812/2013

* FOR MODELS 80÷350, IN EUROPEAN COMMUNITY CAN BE SOLD ONLY AS A REPLACEMENT OF AN IDENTICAL MODEL

MANDATORY OPTIONS
(to be chosen between the 2 models):
Thermostatic control panel   0Q2K09XA
EBM electronic control panel   0QC070XA

MODEL	Heat output		Heat input		Pressure drop flue gas side	Empty weight	Width	Height	Depth	CODE
	min kW	max kW	min kW	max kW	mbar	kg	mm	mm	mm	(see page 5)
80	60	92	63,7	97,7	0,7	260	760	925	1046	0QE000XA
90	70	107	74,3	113,5	1,2	350	810	925	1046	0QE100XA
130	100	152	105,8	160,8	1,2	350	810	980	1516	0QE200XA
160	137	190	144,4	200,2	2,3	440	950	1100	1546	0QE300XA
200	160	240	168,4	252,6	3,3	480	950	1100	1816	0QE400XA
250	196	320	206,0	336,4	3,5	550	950	1100	1817	0QE500XA
350	260	399	272,6	418,4	4,3	860	1060	1250	1838	0QE800XA
450	341	500	357,0	523,5	4,8	970	1060	1250	2098	0QEB00XA
500	390	600	407,9	627,6	4,5	1250	1260	1400	2158	0QED00XA
600	468	720	489,8	753,6	5,6	1250	1450	1400	2398	0QEE00XA
700	533	820	558,4	859,1	5,4	1420	1450	1400	2398	0QEF00XA
800	611	940	638,9	982,9	6	1580	1450	1580	2420	0QEG00XA
900	689	1060	719,9	1107,6	6,5	2250	1530	1730	2722	0QEH00XA
1100	813	1250	848,2	1304,2	6,5	2650	1530	1730	2722	0QEJ00XA
1300	962	1480	1004,4	1545,2	6,8	2850	1530	1730	2722	0QEL00XA
1600	1129	1845	1291,2	1930	7,0	3900	1610	1950	3232	0QEP00XA
2000	1535	2360	1603,1	2464,7	7,2	5300	1800	2140	3446	0QES00XA
2600	1950	3000	2033,7	3128,8	7,5	5800	1800	2140	3816	0QEU00XA

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PREXTHERM RS3

3-PASS FLUES STEEL BOILER

- Monobloc generator, **3-pass flues**, **small thermal load**, vertical layout and extremely compact front dimensions. Homologated for systems untill 100°C
- Ready for coupling with jet burners, operating with gas or oil and with low polluting emissions
- Large combustion chamber with **floating cooled back**
- Flues bundle for second and third flue-pass is situated in the top side of the combustion chamber. Flues tubes protudes from the plate, in order to **avoid condensation**
- **Steel turbolators**, increasing thermal efficiency of the generator. They have been carefully designed not to worsen flues pressure drop
- **High efficiency**. Ranges between 94,7% and 96,3% on LCV (t_{avg} 70°C)
- **Max operating pressure: 6 bars**. Higher pressure specifications upon demand
- Vertical connection are threaded until model 240 and flanged until model 600
- Completely insulated front door and **reversible opening** (right and left), thanks to an innovating mechanism on boiler body, with micrometric adjustment. Equipped with flame inspection hole and test point for combustion chamber back pressure

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CLASS 5
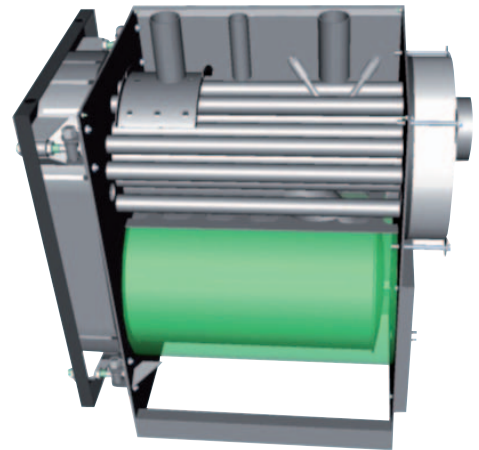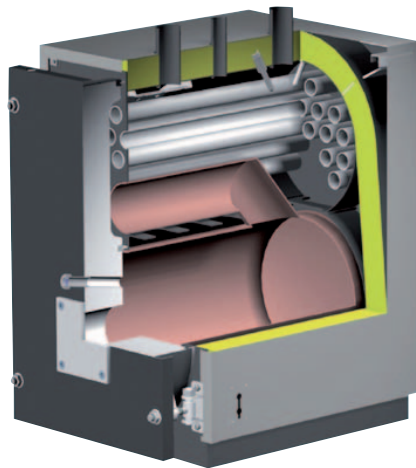
* **FOR MODELS 70÷399, IN EUROPEAN COMMUNITY CAN BE SOLD ONLY AS A REPLACEMENT OF AN IDENTICAL MODEL**

MANDATORY OPTIONS
(to be chosen between the 2 models):
Thermostatic control panel   0Q2K09XA
EBM electronic control panel   0QC070XA

MODEL	Heat output kW	Heat input kW	Pressure drop flue gas side mbar	Empty weight kg	Width mm	Height mm	Depth mm	CODE (see page 5)
70	70	73,9	0,8	236	670	1185	1130	0RE099XA
92	92	97,1	1,4	236	670	1185	1130	0RE000XA
107	107	112,9	2,4	332	670	1185	1555	0RE100XA
152	152	160,5	3,6	332	670	1185	1555	0RE200XA
190	190	200,8	3,4	460	760	1340	1570	0RE300XA
240	240	252,9	6,1	524	760	1340	1770	0RE400XA
320	320	335,7	3,9	833	820	1525	1990	0RE600XA
399	399	417,4	6,2	833	820	1525	1990	0RE800XA
500	500	522,8	4,3	1146	850	1615	2390	0REB00XA
600	600	627,2	6,3	1146	850	1615	2390	0RED00XA

THERMO EBM

EFFICIENT BOILER MANAGEMENT

EVOLVED ELECTRONIC CONTROL BOARD

- **Outdoor temperature compensation**
- Manages as a standard **2 CH mixed zones, with possible third direct zone**
- **Daily or weekly central heating and DHW program**
- **Cascade** management via bus
- Generator and system protection functions
- Relays and probe connection settable for several functions (solar, external heat source, cooling, 0/10 V, various system devices, modulating pump, modulating burner, alarm output, ect)
- Possible installation of additional modules to multiply simultaneous functions management

DESCRIPTION	CODE
EBM ELECTRONIC CONTROLLER including controller with interface, NTC flow probe , NTC return probe, outdoor probe	0QC070XA
NTC PROBE FOR CASCADE HEADER	0QC072XA
DHW TANK PROBE 6 meters	0QC073XA
SYSTEM FLOW PROBE 6 meters	0QC074XA

THERMOSTATIC CONTROL BOARD

- Suitable for single or two stages burners
- Digital thermometer and LED diagnostic
- Pre-set for integration of an electronic controller
- Includes 2 stages regulation thermostat based on NTC flow probe, safety thermostat
- Inputs for ambient thermostat, additional safety device (max 2 in series)
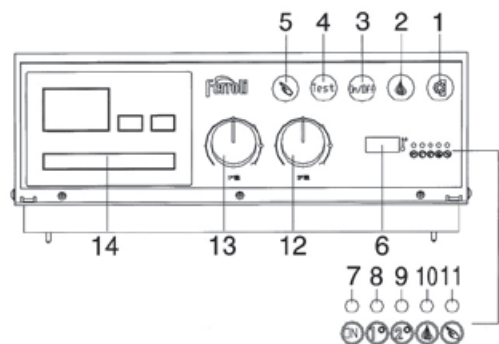
Panel is equipped with:

1- Pump ON switch
2 - Burner ON switch
3 - Boiler ON switch
4 - Test button
5 - Safety button with manual reset
6 - Boiler water temperature
7 - Boiler ON LED
8 - 1st stage burner LED

9 - 2nd stage burnerLED
10 - Burner lockout LED
11 - Safety pressure switch LED
12 - 2nd stage control thermostat TR1
13 - 1st stage control thermostat TR1
14 - Housing for optional temperature controller (not supplied)

DESCRIPTION	CODE
THERMOSTATIC CONTROL BOARD	0Q2K09XA

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SUN G

**LIGHT OIL BURNERS,
WITH ONE OR TWO-STAGE OPERATION**

- Model **G3 R** and **G6 R** are equipped with oil **pre-heater** in the fuel adduction line
- Fine adjustment of position of the combustion head through a **micrometric** screw
- End cone **resistant** to corrosion and high temperatures
- Precise adjustment of air intake
- Geared pump with built-in pressure regulator and by-pass valve
- **Front connection** for pressure gauge and vacuometer on the pump
- Single phase motor for pump and fan feeding
- **Microprocessor**-based burner control box
- Air damper with gravity closing in off mode
- Compact cover with **soundproof** inner lining and housing for reset button

SUN G3 - G3R - SUN G6 - G6R
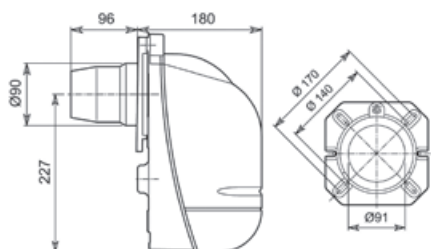
SUN G10 - SUN G10 2S
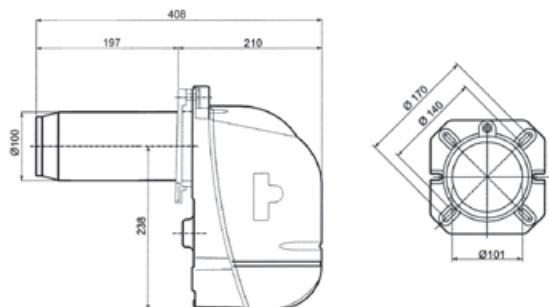
SUN G50 - G70
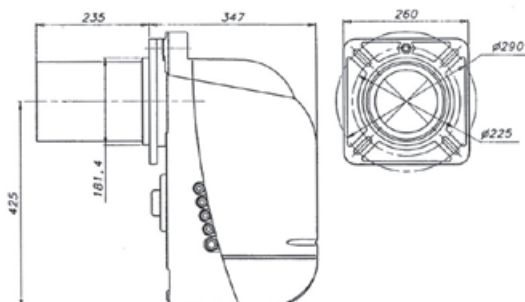
SUN G20 1S - SUN G20 - G30

**REG.
812/2013**
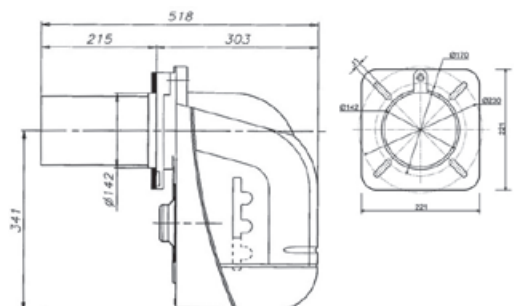
**IN EUROPEAN COMMUNITY CAN BE SOLD
ONLY AS A REPLACEMENT OF AN IDENTICAL MODEL (models from G3 to G30)**

SINGLE STAGE

MODEL		SUN G3		SUN G3R		SUN G6		SUN G6R		SUN G10		SUN G20 1S	
		max	min	max	min	max	min	max	min	max	min	max	min
Output	kW	36,0	21,3	36,0	13,3	58,1	21,3	58,1	13,3	134,0	47,4	237,2	118,6
Flow-rate	kg/h	3,0	1,8	3,0	1,12	4,9	1,8	4,90	1,12	11,3	4,0	20	10
Power supply	V/Hz	220-240V/50		220-240V/50		220-240V/50		220-240V/50		220-240V/50		220-240V/50	
Motor	W	70		70		70		70		110		110	
Power input	W	176		228		176		228		199		580	
CODE (see page 5)		**0U107AXA**		**0U106AXA**		**0U109AXA**		**0U108AXA**		**0U10CAXA**		**0U19GAXA**	

DOUBLE STAGE

MODEL		SUN G10 2S			SUN G20 2S			SUN G30			SUN G50			SUN G70		
		min 1st st	min 2nd st	max 2nd st	min 1st st	min 2nd st	max 2nd st	min 1st st	min 2nd st	max 2nd st	min 1st st	min 2nd st	max 2nd st	min 1st st	min 2nd st	max 2nd st
Output	kW	47,5	63,2	118,6	95,0	118,6	237,2	113,9	225,3	355,8	189,8	355,8	711,6	260,9	474,4	948,8
Flow-rate	kg/h	4	5,3	10	8	10	20	9,6	19	30	16	30	60	22	40	80
Power supply	V/Hz	220-240V/50			220-240V/50			220-240V/50			400V/50			400V/50		
Motor	W	110			370			370			1100			1100		
Power input	W	228			590			610			1300			2097		
CODE (see page 5)		**0U11CAXA**			**0U10GAXA**			**0U10JAXA**			**0U11QAXA**			**0U11UAXA**		

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SUN M

GAS JET BURNERS WITH SINGLE-STAGE OR PROGRESSIVE TWO-STAGE OPERATION

- Gas jet burners with **single-stage** operation, or **progressive two-stage**
- 2 stages burners can be upgraded to **modulating** operation using the **optional** modulating kit or as default on Prextherm with EBM control panel
- Extremely compact **aluminium burner body**, closed by cover with soundproof inner lining and housing for reset button
- Combustion head fit for operation both on **natural gas** or **LPG** with no need of additional conversion kit
- Model M3 and M6 with built-in gas train. On bigger models gas train can be chosen according to gas type and adduction pressure
- **External adjustment** of the combustion head
- **Microprocessor** control equipment

SUN M3 - M6
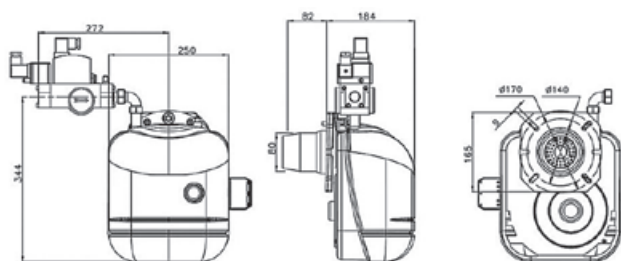
SUN M10
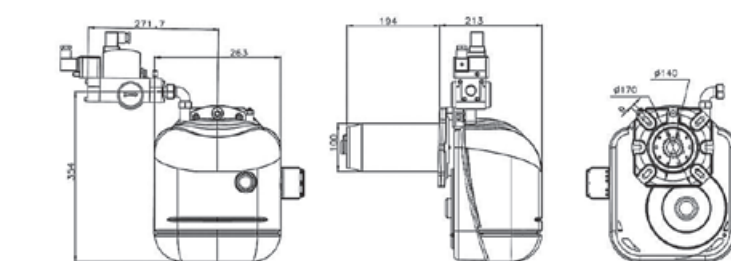
SUN M20 - M30
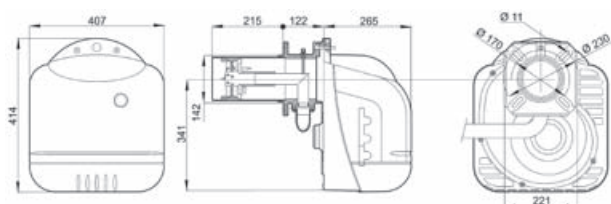
SUN M50 - M70
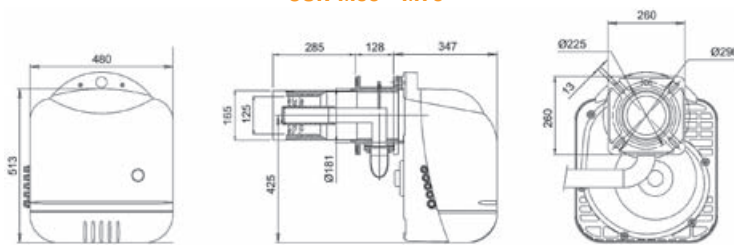
ACCESSORIES

DESCRIPTION	CODE
MODULATION KIT (including regulator, 0-130° C probe, cables) Not necessary in case of use of electronic control board on Prextherm	094002X0
VALVE TIGHTNESS CONTROL KIT. Checks gas valve tightness through pressure loop whenever there is a heat demand	094007X0

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IN EUROPEAN COMMUNITY CAN BE SOLD ONLY AS A REPLACEMENT OF AN IDENTICAL MODEL (models from M3 to M30)

MODEL			M3	M6	M10	M20	M30	M50	M70
Operation			one-stage	one-stage	one-stage	two-stages	two-stages	two-stages	two-stages
Fuel			G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31
Power	Min	kW	15	30	50	85	106	150	295
	Min 2nd stage	kW	-	-	-	134	150	255	435
	Max 2nd stage	kW	45	60	120	271	364	640	875
Power supply		V/Hz	230/50	230/50	230/50	230/50	230/50	400/50	400/50
CODE (see page 5)			0U137BXA	0U139BXA	0U13CBXA	0U12GBXA	0U12JBXA	0U12QBXA	0U12UBXA

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SUN M GAS TRAINS

TECHNICAL FEATURES

- Power supply 230V - 50 Hz
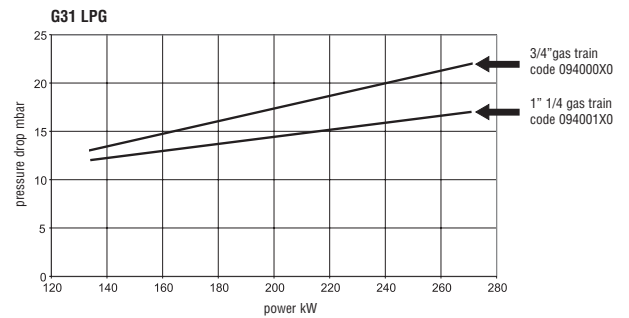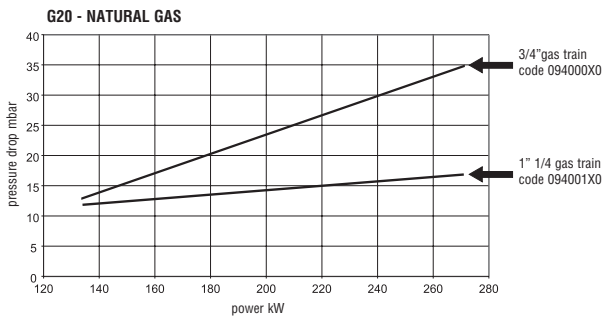- Operating temperature: from -15°C to +70°C

GAS TRAINS OPTIONS FOR SUN M10

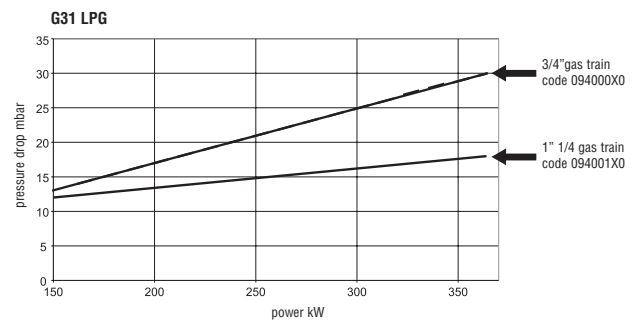| G20 - NATURAL GAS | 3/4" gas train | code 094012X0 |
| G31 - LPG | 1/2" gas train | code 094010X0 |

SUN M3 and M6 already include gas train, compatible with natural gas and LPG

GAS TRAIN		MATCHING GAS TRAIN-BURNER				
CODE	CONNECTION	M10	M20	M30	M50	M70
094010X0	1/2"	G31				
094012X0	3/4"	G20				
094000X0	3/4"		G20-G31	G20-G31		
094005X0	3/4"				G31	G31
094001X0	1"1/4		G20-G31	G20-G31		
094006X0	1"1/4				G20-G31	G20-G31
094003X0	1"1/2				G20	G20-G31
094004X0	2"				G20	G20

GAS TRAINS OPTIONS FOR SUN M20

G20 - NATURAL GAS — 3/4" gas train code 094000X0 / 1" 1/4 gas train code 094001X0

G31 LPG — 3/4" gas train code 094000X0 / 1" 1/4 gas train code 094001X0

GAS TRAINS OPTIONS FOR SUN M30

G20 - NATURAL GAS — 3/4" gas train code 094000X0 / 1" 1/4 gas train code 094001X0

G31 LPG — 3/4" gas train code 094000X0 / 1" 1/4 gas train code 094001X0

GAS TRAINS OPTIONS FOR SUN M50

G20 - NATURAL GAS — 1" 1/4 gas train code 094006X0 / 1" 1/2 gas train code 094003X0 / 2" gas train code 094004X0

G31 LPG — 3/4" gas train code 094005X0 / 1" 1/4 gas train code 094006X0

GAS TRAINS OPTIONS FOR SUN M70

G20 - NATURAL GAS — 1" 1/4 gas train code 094006X0 / 1" 1/2 gas train code 094003X0 / 2" gas train code 094004X0

G31 LPG — 3/4" gas train code 094005X0 / 1" 1/4 gas train code 094006X0 / 1" 1/2 gas train code 094003X0

PS: Please sum up boiler's flues pressure drop and the result of the graph, in order to get minimum pressure at gas valve's inlet

MATCHING FERROLI BOILERS BURNER

BOILER		OIL BURNER			GAS BURNER		
MODEL	PRESSURE DROP Mbar	MODEL	TYPE	CODE	MODEL	TYPE	CODE
ATLAS 32	0,2	SUN G3R	Single stage	0U106AXA	SUN M3	Single stage	0U137BXA
ATLAS 47	0,27	SUN G6R	Single stage	0U108AXA	SUN M6	Single stage	0U139BXA
ATLAS 62	0,4	SUN G10	Single stage	0U10CAXA	SUN M10	Single stage	0U13CBXA
		SUN G10 2S	2 stage	0U11CAXA			
ATLAS 78	0,4	SUN G10	Single stage	0U10CAXA	SUN M10	Single stage	0U13CBXA
		SUN G10 2S	2 stage	0U11CAXA			
ATLAS 95	0,63	SUN G10	Single stage	0U10CAXA	SUN M10	Single stage	0U13CBXA
		SUN G10 2S	2 stage	0U11CAXA			
GN2 N 06	0,4	SUN G10	Single stage	0U10CAXA	SUN M 10	Single stage	0U13CBXA
GN2 N 07	0,4	SUN G20	2 stage	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 08	0,4	SUN G20	2 stage	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 09	0,4	SUN G20	2 stage	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 10	0,4	SUN G20	2 stage	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 11	0,4	SUN G20	2 stage	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 12	0,4	SUN G20	2 stage	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 13	0,4	SUN G30	2 stage	0U10JAXA	SUN M 20	2 stage progressive	0U12GBXA
GN2 N 14	0,4	SUN G30	2 stage	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
GN4 N 07	0,5	SUN G30	2 stage	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
GN4 N 08	0,8	SUN G30	2 stage	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
GN4 N 09	0,7	SUN G30	2 stage	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
GN4 N 10	1,0	SUN G50	2 stage	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
GN4 N 11	1,4	SUN G50	2 stage	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
GN4 N 12	1,7	SUN G50	2 stage	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
GN4 N 13	2,6	SUN G70	2 stage	0U11UAXA	SUN M 50	2 stage progressive	0U12QBXA
GN4 N 14	3,5	SUN G70	2 stage	0U11UAXA	SUN M 70	2 stage progressive	0U12UBXA
PREXTHERM RSW 92	0,5	SUN G10 2S	2 stages	0U11CAXA	SUN M 10	Single stage	0U13CBXA
PREXTHERM RSW 107	0,7	SUN G10 2S	2 stages	0U11CAXA	SUN M 10	Single stage	0U13CBXA
PREXTHERM RSW 152	1,2	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RSW 190	1,2	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RSW 240	2,3	SUN G30	2 stages	0U10JAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RSW 300	3,3	SUN G30	2 stages	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
PREXTHERM RSW 350	3,5	SUN G50	2 stages	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RSW 399	4,4	SUN G50	2 stages	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RSW 525	4,3	SUN G50	2 stages	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RSW 600	4,8	SUN G70	2 stages	0U11UAXA	SUN M 70	2 stage progressive	0U12UBXA
PREXTHERM RSH 80	0,7	SUN G10 2S	2 stages	0U11CAXA	SUN M 10	Single stage	0U13CBXA
PREXTHERM RSH 90	1,2	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RSH 130	1,2	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RSH 160	2,3	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RSH 200	3,3	SUN G30	2 stages	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
PREXTHERM RSH 250	3,5	SUN G30	2 stages	0U10JAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RSH 350	4,3	SUN G50	2 stages	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RSH 450	4,8	SUN G50	2 stages	0U11QAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RSH 500	4,5	SUN G70	2 stages	0U11UAXA	SUN M 70	2 stage progressive	0U12UBXA
PREXTHERM RSH 600	5,6	SUN G70	2 stages	0U11UAXA	-	-	-
PREXTHERM RS3 70	0,54	SUN G10 2S	2 stages	0U11CAXA	SUN M 10	Single stage	0U13CBXA
PREXTHERM RS3 92	0,89	--	2 stages	0U10GAXA	SUN M 10	Single stage	0U13CBXA
PREXTHERM RS3 107	1,2	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RS3 152	1,65	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RS3 190	1,8	SUN G20	2 stages	0U10GAXA	SUN M 20	2 stage progressive	0U12GBXA
PREXTHERM RS3 240	2,4	SUN G30	2 stages	0U10JAXA	SUN M 30	2 stage progressive	0U12JBXA
PREXTHERM RS3 320	3,3	SUN G30	2 stages	0U10JAXA	SUN M 50	2 stage progressive	0U12QBXA
PREXTHERM RS3 399	4,4	SUN G70	2 stages	0U11UAXA	SUN M 70	2 stage progressive	0U12UBXA
PREXTHERM RS3 500	5,43	SUN G70	2 stages	0U11UAXA	SUN M 70	2 stage progressive	0U12UBXA
PREXTHERM RS3 600	6,2	SUN G70	2 stages	0U11UAXA	SUN M 70	2 stage progressive	0U12UBXA

For missing matchings please enquire. For ATLAS D 25÷75 (ErP) refer to the corresponding product page.

Ferroli

GAS WATER HEATERS

ZEFIRO

WALL-HUNG INSTANTANEOUS GAS WATER HEATER, OPEN FLUE, ELECTRONIC IGNITION

- Power and temperature selector
- Flue gas evacuation control device
- Electronic ignition with flame detection by **ionisation**
- Electronic, **battery** powered, ignition
- **Modulating** gas valve, activation upon double signal
- Output regulation from 40% to 100%
- SOFT START device for **progressive and silent ignition**
- Extremely easy installation and maintenance
- Safety device for protection against insufficient water
- Certified also for operation with **butane** (G30) or **LPG** (G31)

SCHEME

KEY
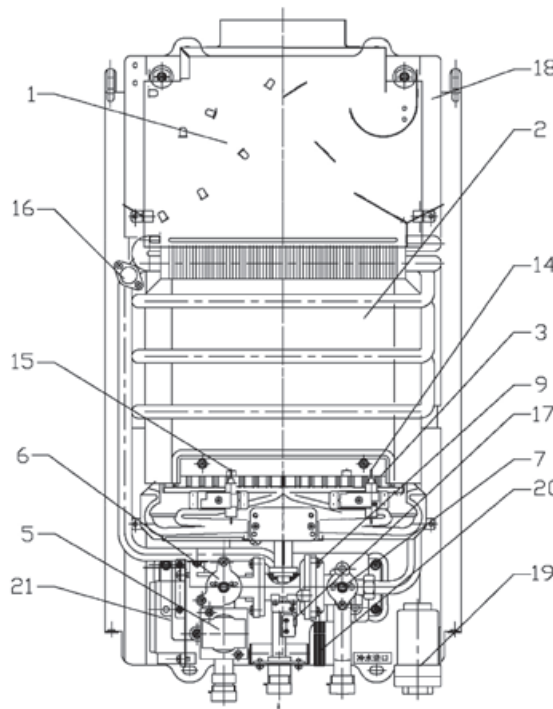
1	draugh diverter
2	heat exchanger
3	burner
5	gas valve
6	power adjustment knob
7	temperature selector
14	ionisation electrode
15	ignition electrode
16	limit thermostat
17	ignition microswitch
18	flue gas control device
19	battery box
20	water relief valve
21	control board

ERP COMPLIANT

MODEL			5	11	14
DHW tapping profile			XS	M	M
Erp Class			A	A	A
Heat input	Max	kW	10,1	21,1	26,8
Heat output	Min	kW	3,6	7,1	9,3
	Max	kW	8,9	18,9	23,8
Operating pressure	Max	bar	10	10	10
DHW flow rate	Δt 25°C	l/min	5,1	10,8	13,7
	Δt 50°C	l/min	2,6	5,4	6,8
DHW set point	Min	°C	40	40	40
	Max	°C	65	65	65
Dimensions	WxHxD	mm	280x455x130	328x550x130	400x650x181
CODE (see page 5)			-	**GCT1MBAA**	**GCU1PBAA**

Ferroli

SKY C "B"

WALL-HUNG INSTANTANEOUS GAS WATER HEATER, OPEN FLUE, BATTERY IGNITION

- Compact heat exchanger made completely of copper, protected by an atoxic aluminium coating, inside a cooled combustion chamber
- **Graphic display** indicating temperature, battery charge level, burner status
- Double knob for **output selection and temperature setting**
- Burner in stainless steel, specially shaped for silent operation
- Wide range of temperature regulation
- Very **compact** dimensions
- Ready for domestic hot water production **in combination with solar collectors systems**
- **Operated by 2 X 1,5V, type «A» batteries**, located in a box easily accessible from the bottom of the water heater
- Certified also for operation with **butane** (G30) or **LPG** (G31)

SCHEME

OFF

ON
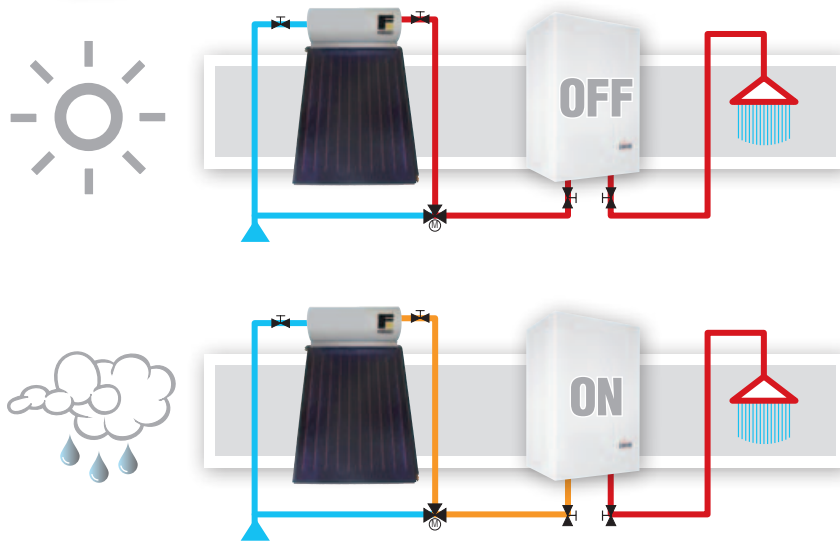
SOLAR FUNCTION
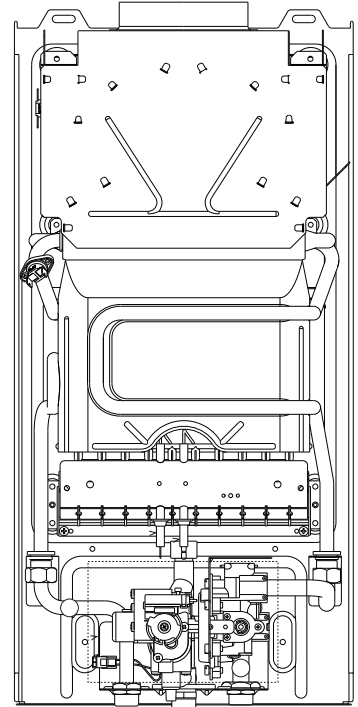
MODEL			C 11 B	C 14 B
Erp Class	M		A	A
Heat input	Max	kW	21,7	26,9
Heat output	Min	kW	7,1	8,8
	Max	kW	19,2	23,9
Working pressure	Max	bar	10	10
DHW flow rate	Δt 25°C	l/min	11	14
	Δt 50°C	l/min	5,5	6,8
DHW set point	Min	°C	40	40
	Max	°C	65	65
Empty weight		kg	11	12
Dimensions	WxHxD	mm	295x595x195	335x595x195
CODE (see page 5)			**0AF64IAA**	**0AF65IAA**

ferroli

SKY F

WALL-HUNG INSTANTANEOUS GAS WATER HEATER, ROOM SEALED, ELECTRONIC IGNITION

- Compact heat exchanger made completely of copper
- **Evolved Combustion System:** electronic monitoring of combustion quality, which ensures the best operation depending on the different thermal load and chimney draught
- Steplessly output **modulation** from 36% to 100%
- Simple and intuitive **LCD** interface
- **Ready for connection to solar systems:** can operate in combination with domestic hot water pre-heating systems
- Very **compact** dimensions
- 230V power supply
- Certified also for operation with **butane** (G30) or **LPG** (G31)

SCHEME
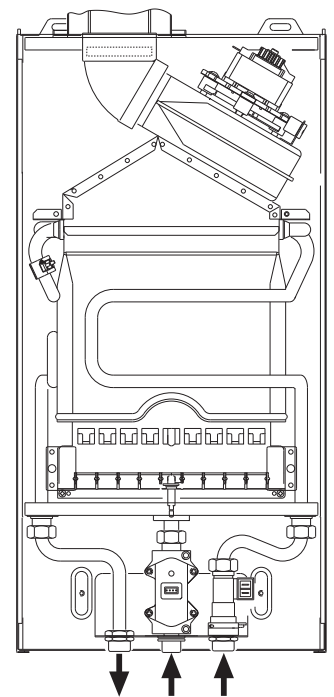
FLUES ACCESSORIES:
please consult section reserved to traditional boilers.

MODEL			F 11	F 14	F 17
Erp Class	XL		A	A	A
Heat input	Min	kW	8,3	10,3	12,6
	Max	kW	21,7	26,9	32,9
Heat output	Min	kW	7,1	8,8	10,7
	Max	kW	19,2	23,9	29,2
Efficiency		Pmax %	88,5	88,7	88,9
Working pressure	Min	bar	0,20	0,20	0,20
	Max	bar	10	10	10
DHW flow rate	Δt 25°C	l/min	11,0	13,7	16,8
	Δt 50°C	l/min	5,5	6,9	8,4
Empty weight		kg	13	14	17
Dimensions	WxHxD	mm	295x595x195	335x595x250	375x595x290
CODE (see page 5)			**0AF94IAA**	**0AF95IAA**	**0AF97IAA**

Ferroli

SYSTEM COMPLEMENTS

ECOUNIT F

INDIRECT CYLINDER - WITH SINGLE OR DOUBLE COIL

- Indirect cylinder for domestic hot water preparation through single/double coil
- **Model 1C** is equipped with a **single, extended coil,** widely covering necessary part of the container to be heated
- **Model 2C** includes **two coils**, for connection to multiple heat sources
- Container in carbon steel, enamelled with Bluesilicon highly hygienic process
- Equipped with a 1,5 kW backup electric heating element
- Generous insulating layer, 50 mm, on whole surface of the container
- Robust **ABS thermometer**
- Connection for recirculation
- Max operating temperature 95°C - Max pressure 8 bar
- Magnesium anode lodged in a very large flange

SINGLE COIL MODEL

Domestic hot water outlet
Water exchanger inlet
Temperature probes
Recirculation
Temperature probes
Water exchanger outlet
Cold water inlet

DOUBLE COIL MODEL

Domestic hot water outlet
Upper coil inlet
Temperature probe
Recirculation
Upper coil outlet
Temperature probe
Lower coil inlet
Temperature probe
Lower coil outlet
Cold water inlet
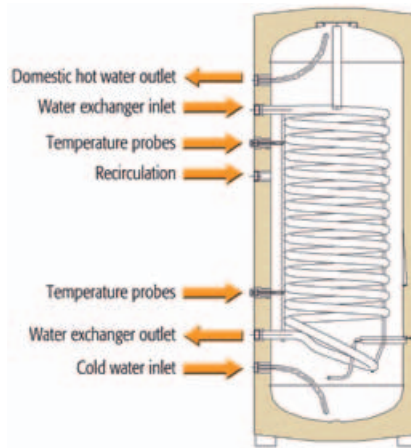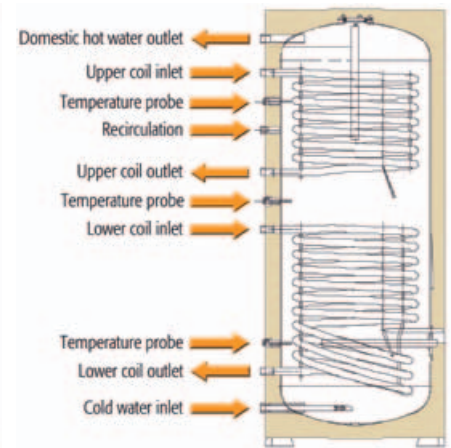
MODEL			100 1C	150 1C	200 1C	300 1C	400 1C	500 1C	200 2C	300 2C	400 2C	500 2C
Erp Class			C	C	D	D	D	D	D	D	D	D
Nominal capacity		litres	100	150	200	300	400	500	200	300	400	500
TOP COIL — Power output	Δt 35 K	kW	-	-	-	-	-	-	12,5	18	29,6	29,6
DHW flow rate	Δt 35 K	l/h	-	-	-	-	-	-	306	444	726	726
	Δt 50 K	l/h	-	-	-	-	-	-	216	310	510	510
Heating time	Δt 35 K	min	-	-	-	-	-	-	39	41	33	41
	Δt 50 K	min	-	-	-	-	-	-	56	58	47	59
Coil exchanger surface		m²	-	-	-	-	-	-	0,5	0,72	1,19	1,19
Coil lenght		m	-	-	-	-	-	-	6,38	9,17	11,43	11,43
Coil flow resistance		mbar	-	-	-	-	-	-	155	220	58	58
Nominal coil flow rate		m³/h	-	-	-	-	-	-	2	2	3	3
BOTTOM/MAIN COIL — Power output	Δt 35 K	kW	18,5	31,25	35	45,75	59,25	84,75	20,75	25	38,1	55
DHW flow rate	Δt 35 K	l/h	450	790	860	1120	1440	2060	510	618	936	1350
	Δt 50 K	l/h	318	537	606	774	1020	1458	357	430	655	945
Heating time	Δt 35 K	min	13	11,5	14	16	17	14,5	24	29	26	22
	Δt 50 K	min	19	17	20	23	24	21	34	42	37	32
Coil exchanger surface		m²	0,74	1,25	1,4	1,83	2,37	3,39	0,83	1	1,52	2,2
Coil lenght		m	9,3	15,8	17,7	23,3	22,8	32,6	10,52	12,72	14,7	21,2
Coil flow resistance		mbar	228	386	432	565	118	167	254	308	75	109
Nominal coil flow rate		m³/h	2	2	2	2	2	2	2	2	3	3
Heat loss		kWh/24h	1,6	1,8	2,2	2,7	2,9	3,5	2,2	2,7	2,9	3,5
Weight empty		kg	45	64	73	103	126	155	73	102	126	155
Dimensions	ø x H	mm	500x978	500x1325	540x1453	620x1535	750x1469	750x1769	540x1453	620x1535	750x1469	750x1769
CODE			GRA1010A	GRA3010A	GRA4110A	GRA6310A	GRA7410A	GRA8410A	GRA4120A	GRA6320A	GRA7420A	GRA8420A

Ferroli

ELECTRONIC DEVICES

MATCHING GUIDE

OPENTHERM ON – OFF

OPENTHERM-READY BOILERS*
DOMINA N
DIVATECH D
DIVA - DIVA H - DIVAPROJECT
BLUEHELIX family
DIVACONDENS
ENERGY TOP

DIVATOP 60
QUADRIFOGLIO B
ATLAS D - D CONDENS family
PEGASUS D family

BOILERS WITH ON/OFF HEAT REQUEST ONLY
Analogue PEGASUS
Analogue ATLAS
GN 2
GN 4
PREXTHERM family
LEB

* Opentherm - ready boilers support also on-off devices as an alternative

ROMEO - modulating remote control

ROMEO W: weekly

OPENTHERM

BRIDGE*

* Receiver for
Wireless version

- **Weekly** programming, max 6 periods a day
- Permits complete control of boiler's status and functions remotely, thanks to **Opentherm** communication protocol
- Permits **modulation of flow temperature** as room temperature approaches to setpoint, thus avoiding annoying temperature fluctuation in the room
- Boiler **remote restart** in case of a temporary shutdown
- **Holiday function**, settable from 1 hour to 45 days
- **Phone contact input**, for remote boiler switch on/off
- **Model RF** features **wireless** transmission from/to boiler's control board

COMPATIBILITY
Opentherm-ready boilers

CODES

ROMEO W	013100XA
ROMEO W RF	013101XA

OSCAR - on-off programmable thermostat
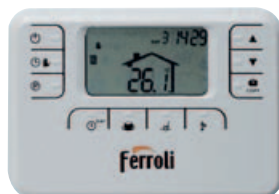
OSCAR W: weekly

ON – OFF

BRIDGE*

* Receiver for
Wireless version

- **Weekly** programming, max 6 periods a day
- Preset standard program, which can be completely customised
- Manual mode available
- Relay with voltage-free contact (24 to 230 V)
- Operated by 2xAA type batteries
- Extra functions for all models: **pump anti-seize, pre-heating, holiday**, **week-end**, **party**
- Phone contact input, for remote boiler switch on/off
- Model **RF** features **wireless** transmission to boiler's control board

COMPATIBILITY
Opentherm-ready boilers /
ON-OFF operated boilers / SUN P

CODES

OSCAR W	013110XA
OSCAR W RF	013111XA

CASCADE SEQUENCER for on-off boilers

ON – OFF

- Can manage **up to four boilers in cascade**
- Can manage **up to two heating zones** with system **flow temperature compensation**, one direct and one mixed
- In addition to the two central heating zones, can manage a domestic hot water storage tank with coil
- Includes controller, 3 circuit sensor, one outdoor probe

COMPATIBILITY
ON-OFF operated boilers / SUN P

CODE

013015X0

ferroli

ELECTRONIC DEVICES

EVOLVED CASCADE AND SYSTEM CONTROLLER

- Can control a **modular installation up to 5 boilers** connected together, and a domestic hot water tank
- Possible connection to another cascade controller for management of more than 5 boilers
- **Complete configuration** of cascade operation (sequence, turnover, ignition method, statistics..)
- Central heating and domestic hot water planning
- Other contacts: **0/10 Vdc** input for remote control of cascade output flow temperature, **PC/modem**, **alarm warning**
- Extra functions: night reduction, holiday

COMPATIBILITY
Opentherm-ready boilers

CODE
1KWMH18A

FZ4 ZONING CONTROLLER

- Zoning controller for **maximum 3 zone circuits**. At least one of the zones requires a remote control for room temperature control and programming, the other zones can be supported by on-off thermostats / timers
- **Max 2 zones** - out of the 3 managed - **can be mixed**
- Can control both zone pumps or zone valves with antiseize program
- Circuit flow temperature and compensation curve can be **different for each zone**
- Includes post-circulation function
- Can be connected to boiler **through room thermostat** voltage free contact or using **Opentherm** protocol
- Alphanumeric display
- Autoconfiguration procedure for 28 system schemes
- Diagnostics of all inputs and outputs through leds
- System strategy completely customisable by technician through parameters
- Legionella protection program for DHW tank (handled as alternative of an heating zone)

COMPATIBILITY
Opentherm-ready boilers /
ON-OFF operated boilers / SUN P

CODE
013013X0

OUTDOOR PROBE

- Outdoor sensor for boilers flow temperature compensation according to outside temperature
- Probe is sealed inside a IP 66 protected box, RAL 7035 colour
- Operating temperature - 40°C + 60 °C

COMPATIBILITY
Opentherm-ready boilers, except
Domina N and Diva family

CODE
013018X0

Ferroli

RADIATORS

TAHITI

CAST IRON RADIATOR

EN 442 · CE 05

- G 15 type (EN-GJL-150) cast iron radiator
- Maximum operating pressure 6 bar
- **Tahiti** with basic white primer coating, made through immersion painting and oven-dry; supplied in 10 sections batteries

DRAWINGS

2/875
2/685
2/562

3/875
3/685
3/562

4/875
4/685
4/562

5/875
5/685

3/402
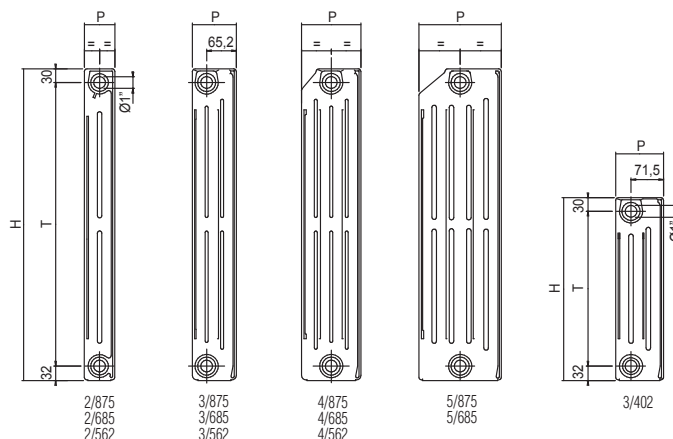
OPTIONAL ACCESSORIES

DESCRIPTION	CODE
Galvanised right blind plug	19999970
Galvanised left blind plug	19999979
Galvanised right ½" reduction	19999972
Galvanised left ½" reduction	19999981
Galvanised right 1/8" reduction	19999975
Galvanised left 1/8" reduction	19999984
190 mm in-wall bracket	19999928
220 mm in-wall bracket	19999110
270 mm in-wall bracket	19999111
1" nipple	19999976
Gasket	19999977

MODEL			2/562	2/685	2/875	3/402	3/562	3/685	3/875	4/562	4/685	4/875	5/685	5/875
Columns		no.	2	2	2	3	3	3	3	4	4	4	5	5
Connection diameter			1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
Net weight		kg	3,4	3,91	5,1	3,4	4,22	5,24	6,44	5,61	6,53	8,53	8,17	10,7
Output	Δt 50°C	Watt x section	58,7	71,2	90,3	60,7	77,4	92,3	114,6	99,7	116,1	142,7	147,5	182,9
	Δt 50°C	kcal/h x section	50,5	61,2	77,7	52,2	66,6	79,4	98,6	85,7	99,8	122,7	126,9	157,3
Output	Δt 60°C	Watt x section	74,0	90,1	114,4	76,8	97,7	116,9	145,6	126,5	147,7	183,2	187,1	232,9
	Δt 60°C	kcal/h x section	63,6	77,5	98,3	66,0	84,2	100,6	125,2	108,8	127,1	157,5	160,9	200,3
Exponent index		n	1,27069	1,29130	1,29910	1,29155	1,28820	1,29520	1,31647	1,30770	1,32030	1,36790	1,30610	1,32673
Constant		K_m	0,40703	0,45548	0,56010	0,38790	0,50163	0,58197	0,66428	0,59798	0,66342	0,67648	0,89059	1,01865
Height	H	mm	562	685	875	402	562	685	875	562	685	875	685	875
Tapping center	T	mm	500	623	813	340	500	623	813	500	623	813	623	813
Depth	D	mm	67	67	67	105	96,5	96,5	96,5	130,5	130,5	130,5	181	181

Thermal emissions in WATT (according to the EN 442 standards, with Δt=50°C) - ø = Km x (Δt)n.
For the purposes of certification, the "TAHITI" models of radiators correspond to the respective models identified by the Factory Name.

Ferroli

FERROLI STEEL PANEL RADIATOR

4 OR 6 CONNECTIONS

EN 442 EURONORM CE

- 5 types, 5 heights
- 20 different lenghts between 400 - 3000 mm
- 4 or 6 connections radiators for a total choice of 1000 models
- Optionally equipped with compact plug or insert regulation valve
- Easy-to-clean thanks to removable top grills and side covers
- Convectors are directly welded on the wet ducts of the radiator to minimize thermal losses and get maximum performance
- Protected against damages during transport and storage by strong packaging system
- Ferroli steel panel radiators are equipped as a standard in the package with wall brackets, fischer screws, one blind pug and one air vent. For 6-connection-radiators, such accessories are available upon request
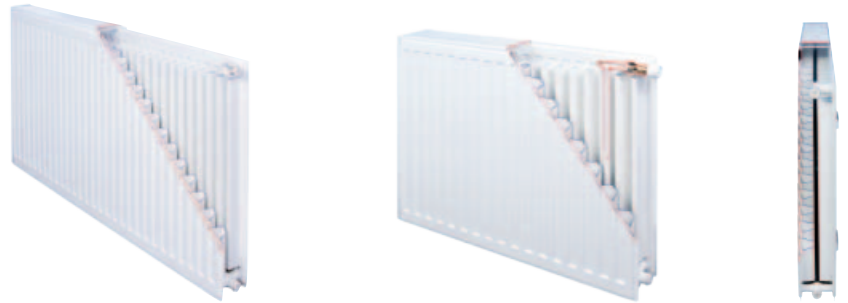
ACCESSORIES

	DESCRIPTION
	4 connection models: package includes wall brackets, fischer screws, one blind plug, one air vent
	6 connection models: abovementioned accessories supplied as an option

TYPE	DESCRIPTION	HEIGHT				
		300	400	500	600	900
11	Output Δt 50°C	451	606	755	895	1248
	Exponent n	1,31042	1,30793	1,30542	1,30291	1,30915
	Constant Km	2,67558	3,63458	4,57361	5,47064	7,44692
	Water content (lts)	1,7	2,1	2,6	3,0	1,2
20	Output Δt 50°C	555	706	850	990	1394
	Exponent n	1,3116	1,30977	1,30794	1,30611	1,31338
	Constant Km	3,28268	4,20054	5,09711	5,98081	8,18149
	Water content (lts)	3,3	4,2	5,1	5,9	8,2
21	Output Δt 50°C	722	927	1122	1307	1803
	Exponent n	1,31467	1,31913	1,32363	1,32809	1,34125
	Constant Km	4,21563	5,31835	6,32695	7,23965	9,49006
	Water content (lts)	3,3	4,2	5,1	5,9	8,2
22	Output Δt 50°C	930	1195	1449	1694	2384
	Exponent n	1,30076	1,315	1,32925	1,34349	1,32728
	Constant Km	5,73718	6,97149	7,99442	8,83753	13,2531
	Water content (lts)	3,3	4,2	5,1	5,9	8,2
33	Output Δt 50°C	1340	1723	2083	2424	3314
	Exponent n	1,30515	1,30686	1,30856	1,31027	1,33485
	Constant Km	8,11901	10,37419	12,45639	14,39815	17,88446
	Water content (lts)	4,4	5,8	7,2	8,6	12,7

Variable data refer to 1mt long radiator

XIAN

DIE-CAST ALUMINIUM RADIATORS

EN 442 CE

- Die-cast aluminium radiator with 2 front convective fins
- Elegant design of the rounded top head. Besides aesthetic appearance of the rounded edge and along with the gradual curve of the convective fins alloy a uniform distribution of warmed air, without turbulences and air flows towards the wall
- 6 bar as maximum operating pressure
- Blocks are assembled in factory in units from 2 to 12 sections
- Sections are assembled each other in the factory via an inorganic elastic joint, with unbeatable resistance to high temperature and pressures, dilatations, circuit additives, chemical gaseous reactions in the heating system. This results in the maximum watertightness of the radiator itself.

DRAWINGS

ACCESSORIES

DESCRIPTION	CODE
1" right plug	000250711
1" left plug	000250721
3/4" right reduction	000250771
3/4" left reduction	000250821
1/2" right reduction	000250761
1/2" left reduction	000250811
3/8" right reduction	000250751
3/8" left reduction	000250801
1/4" right reduction	000250741

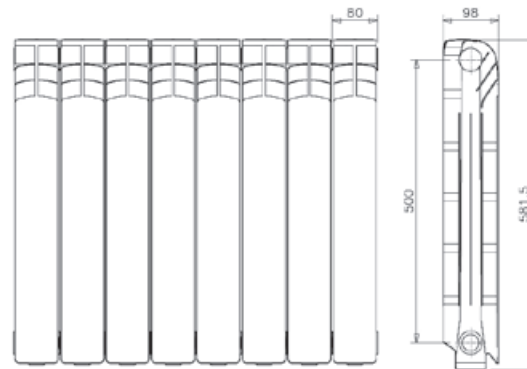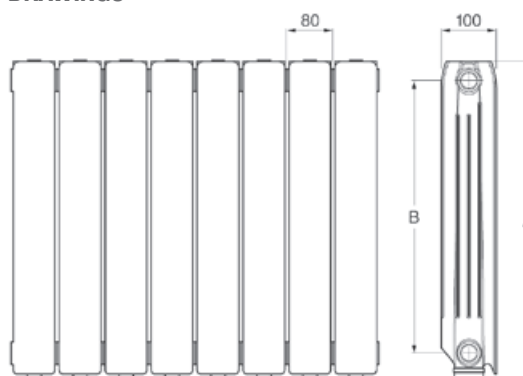| DESCRIPTION	CODE
1/4" left reduction	000250791
1/8" right reduction	000250731
1/8" left reduction	000250781
1" right/left nipple	000214210
Key for nipples	000214600
65 ml tube of elastic sealant	A71015060
Kit adjustable brackets (2 pcs)	C41015291
Bearing feet for radiators mod. 600 (2 pcs)	C41015360
1/2" air vent	C09276090

Right accessory = clockwise, installation on the left side of the radiator
Left accessory = anti-clockwise, installation on the right side of the radiator

MODEL			450 N	600 N	700 N	800 N
Thermal emission EN 442	Δt 50°C	W	90,8	122,9	142,2	160,2
	Δt 60°C	W	115,1	156,2	181,4	204,3
Exponent index n			1,30483	1,31423	1,334	1,33487
Constant Km			0,5508	0,719	0,7702	0,86447
Water content		Liters	0,31	0,39	0,45	0,5
Dimensions	Total height (A)	mm	431	581	681	781
	Tapping center (B)	mm	350	500	600	700
Connections	Diameter	inches	1"	1"	1"	1"

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PROTEO

HIGH-PERFORMANCE DIE-CAST ALUMINIUM RADIATOR

EN 442 EURONORM CE

- Die-cast aluminium radiator with 3 front convective fins
- High thermal emission, thus permitting excellent performance with a lower numer of sections and consequent space saving in the installation.
- 10 bar as maximum operating pressure
- Long durability, resistance to dilation stresses and corrosion phenomena
- Blocks are assembled in factory in units from 2 to 12 sections
- For the purpose of certification, "PROTEO" radiator corresponds to factory name "ARENA"

DRAWINGS
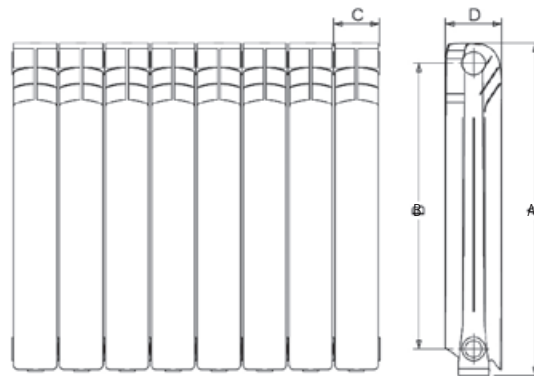
ACCESSORIES

DESCRIPTION	CODE	DESCRIPTION	CODE
1" right plug radiador	000250711	1/4" left reduction	000250791
1" left plug radiador	000250721	1/8" right reduction	000250731
3/4" right reduction	000250771	1/8" left reduction	000250781
3/4" left reduction	000250821	1" right/left nipple	000214210
1/2" right reduction	000250761	Key for nipples	000214600
1/2" left reduction	000250811	65 ml tube of elastic sealant	A71015060
3/8" right reduction	000250751	Kit adjustable brackets (2 pcs)	C41015291
3/8" left reduction	000250801	Bearing feet for radiators mod. 600 (2 pcs)	C41015360
1/4" right reduction	000250741	1/2" air vent	C09276090

Right accessory = clockwise, installation on the left side of the radiator
Left accessory = anti-clockwise, installation on the right side of the radiator

MODEL			450	700	800
Thermal emission EN 442	Δt 50°C	W	92	144	161
	Δt 60°C	W	117,2	181,5	207,1
Exponent index n			1,30565	1,3417	1,35387
Constant Km			0,5587	0,7467	0,81053
Water content		Liters	0,31	0,45	0,5
Dimensions	Total height (A)	mm	431	681	781
	Tapping center (B)	mm	350	600	700
Connections	Diameter	inches	1"	1"	1"

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PROTEO HP

HEAVY-DUTY DIE-CAST ALUMINIUM RADIATOR

EN 442 · EURONORM · CE

- Robust radiator: maximum operating pressure 16 bar, thanks to the accurate study of the section
- High convection, through the 3 frontally fins and study of the internal air flow
- Long durability, resistance to dilation stresses and corrosion phenomena
- Blocks are assembled in factory in units from 2 to 12 sections

DRAWINGS

ACCESSORIES

DESCRIPTION	CODE
1" right plug radiador	000250711
1" left plug radiador	000250721
3/4" right reduction	000250771
3/4" left reduction	000250821
1/2" right reduction	000250761
1/2" left reduction	000250811
3/8" right reduction	000250751
3/8" left reduction	000250801
1/4" right reduction	000250741

DESCRIPTION	CODE
1/4" left reduction	000250791
1/8" right reduction	000250731
1/8" left reduction	000250781
1" right/left nipple	000214210
Key for nipples	000214600
65 ml tube of elastic sealant	A71015060
Kit adjustable brackets (2 pcs)	C41015291
Bearing feet for radiators mod. 600 (2 pcs)	C41015360
1/2" air vent	C09276090

Right accessory = clockwise, installation on the left side of the radiator
Left accessory = anti-clockwise, installation on the right side of the radiator

MODEL			600 HP	700 HP
Thermal emission EN 442	Δt 50°C	W	106,6	125,72
	Δt 60°C	W	135,02	159,16
Exponent index n			1,2967	1,29403
Constant Km			0,667824	0,795932
Water content		Liters	0,32	0,354
Dimensions	Total height (A)	mm	581	681
	Tapping center (B)	mm	500	600
Connections	Diameter	inches	1"	1"

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EUROPA C

DIE-CAST
ALUMINIUM RADIATOR

EN 442 EURONORM CE

- Die-cast aluminium radiator with flat surface
- It is the ideal smart solution which fits perfectly with any style of furniture, thanks to its sober and elegant design
- 6 bar as maximum operating pressure
- Blocks are assembled in factory in units from 2 to 12 sections
- Each section is painted individually through expoxy powder coating: this results in a brilliant surface, resistant to heat throughout the years
- Sections are assembled each other in the factoy via an inorganic elastic joint, with unbeatable resistance to high temperature and pressures, dilatations, circuit additives, chemical gaseous reactions in the heating system. This results in the maximum watertightness of the radiator itself.

DRAWINGS

ACCESSORIES

DESCRIPTION	CODE
1" right plug radiador	000250711
1" left plug radiador	000250721
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DESCRIPTION	CODE
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1/2" air vent	C09276090

Right accessory = clockwise, installation on the left side of the radiator
Left accessory = anti-clockwise, installation on the right side of the radiator

MODEL			450 C	600 C	700 C	800 C
Thermal emission EN 442	Δt 50°C	W	89,2	119,8	137,1	158,0
	Δt 60°C	W	112,7	152,3	174,3	200,9
Exponent index n			1,27784	1,31869	1,31598	1,32052
Constant Km			0,601947	0,688627	0,796525	0,901564
Water content		Liters	0,31	0,39	0,45	0,50
Dimensions	Total height (A)	mm	431	581	681	781
	Tapping center (B)	mm	350	500	600	700
Connections	Diameter	inches	1"	1"	1"	1"

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ALUMINIUM RADIATORS

ELASTIC SECTION JOINT

FERROLI
ELASTIC SYSTEM

TRADITIONAL GASKET
SYSTEM

100%
RELIABILITY

USE BACKED UP BY TESTING
AND TESTIMONIALS

JOINTS BETWEEN SECTIONS ARE SUBJECTED TO SIGNIFICANT FATIGUE FOR 2 MAIN REASONS:

1) Expansion and contraction of the sections due to changes in temperature and the fact that two different metals are involved (aluminium and steel)

2) Continuous contact with water with sudden changes in temperature between 15 and 90°C app.

THE FINAL SOLUTION IS FERROLI ELASTIC SILICONE SYSTEM

Zero risk of leaks due to capillary action.

The elastic silicone joint penetrates along the very reduced space in the thread between the nipple and the radiator sections. In this way the joint is not just a thin barrier between one section and the other, but it deeply diffuses around the threaded sides of the sections and nipples, besides of course the flat contact edge between the radiator elements.

OVER **18** MILLION BLOCKS
CONSTRUCTED
WITH THIS SYSTEM

IN USE FOR OVER **25** YEARS
PATENTED IN 1991

IN USE OVER **3,5** MILLION
HOMES

AVAILABLE FOR **XIAN** AND **EUROPA** RANGE

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HYDRONIC SYSTEMS

RVL-I PLUS

REVERSIBLE HEAT PUMP FOR OUTDOOR INSTALLATION WITH DC INVERTER COMPRESSOR

> GENERAL FEATURES

This series of air-water heat pumps meets the winter and summer comfort requirements in residential installations, as well as small-mid sized commercial ones.

The unit is suitable for **outdoor installation** and can produce **hot water up to 60°C**. It may be employed in systems with radiant floor, fancoils, radiators and for the indirect production of domestic hot water (DHW) via an external storage tank (not supplied).

The heart of the heat pump consists in the DC inverter compressor offering modulation from 30% to 120% on the rated capacity. High energy efficiency and low noise level are the main qualities of RVL-I PLUS. It can be employed as the only generator in the system, as well as in combination with other energy sources such as backup electric heaters or boiler.

A temperature probe for domestic hot water tank is supplied with the appliance. An external air temperature probe (already installed on the unit) permits the climatic control both in heating and cooling modes.

All the chillers are accurately built and individually tested in the factory. The installation requires only electrical and plumbing connections.

> REFRIGERANT CIRCUIT

It is contained in a protected compartment to simplify the maintenance operations. A **DC inverter compressor**, twin rotary type, ensures great dynamic balance and reduces vibrations. It is placed on vibration-damping rubber supports and wrapped by a double layer of sound-absorbing material to minimise the noise. Furthermore, the compressor is equipped with crankcase oil heater. The circuit includes a stainless steel brazed **plates heat exchanger** complete with antifreeze heater, electronic expansion valve, 4-way valve, finned coil consisting in copper tubes and aluminium fins, **axial fans with brushless DC motor** complete with safety protection grilles. The variable speed control of the fans permits a correct operation both in case of low outdoor temperatures -in cooling mode- or warm outdoor climate in heating mode

> HYDRAULIC CIRCUIT

It is inside in a compartment, protected from the air flow, to simplify the maintenance operations. It comprises an electronic circulator (brushless DC motor), water flow switch, automatic air vent, water pressure gauge, expansion vessel, safety valve, water filter. The plate heat exchanger and water piping are thermally insulated to prevent condensation on the external surfaces and reduce temperature loss.

> ACCESSORIES

- ELECTRICAL BOOSTER (BACKUP HEATER BOX) Suitable for indoor installation, it consists in an electric heating element (3kW, 230V-1-50) mounted inside a painted sheet metal box, complete with electrical control panel. The heat pump uses the booster for integration purposes. It is used also as a backup out of the operational limit conditions or for alarm.
- RUBBER ANTIVIBRATION DAMPERS
- BUFFER TANK 60-liter tank in painted sheet metal, thermally insulated. The cylinder is included inside a box, which can be positioned below the heat pump.

> CONTROL SYSTEM

The internal controller manages the inverter system and the correct operation of the compressor. It integrates regulation algorithms based on pre-set climatic curves, which can be selected by the user. It is then possible to handle the DHW circuit, alarm alerts, pump anti-seize cycle and integration with external heating sources. An evolved timer is included for climatic and acoustic comfort program.

The user interface - consisting in a wired panel - permits the operations listed below:
- HEATING AND COOLING SYSTEM The unit, when active in heat or cool mode, modulates the frequency of the compressor with the aim to keep system temperature to the setpoint value.
- DOMESTIC HOT WATER PRODUCTION (DHW) The unit operates in heating mode to reach and keep the temperature inside a DHW cylinder (not supplied) to the setpoint value. A 3-way diverter valve (not supplied) is needed, together with a temperature sensor (T5 probe, L = 10m, provided) to be inserted into one well of the DHW tank.
- ADDITIONAL HEATING SOURCES (boiler or electric heating element). Depending on the parameters set, these sources can intervene as integration of the heat pump, when there is requirement for space heating or for DHW production. The external sources can be automatically switched on, also as a backup, in case the heat pump cannot work for anomaly error or operational temperature limits.
- ELECTRIC HEATER IN THE DHW TANK It is possible to handle the electric heating element of the DHW cylinder as an integration/backup or for legionella protection cycle.
- FAST DHW This manual function permits to reach DHW setpoint in the shortest time, using all available heating sources.
- LEGIONELLA PROTECTION it is possible to set weekly cycles of DHW disinfection, via temperature increase. For this purpose, the heat pump needs energy supplement by heating element inside DHW tank or a boiler.
- SILENT MODE Provided the function is enabled, it is possible to schedule up to 2 periods (normally night/rest ones) when the appliance shall operate in low-noise mode. The maximum frequency of the compressor will be thus reduced, together with fan's speed. Acoustic drop rate can be set in 2 levels.
- REMOTE ON / OFF using an external contact. The unit can be switched on and off via an external contact.
- HEATING / COOLING REQUEST via external contacts. The unit can be activated in heating or cooling mode via two external contacts (eg. room thermostats).
- ECO/COMFORT It is possible to define daily time bands and corresponding set point for ECO and COMFORT modes, either in heating or cooling operation
- WEEKLY TIMER Scheduling on 6 time bands per each day of the week, with specification of the operating mode (COOL / HEAT / DHW) and the required setpoint.
- ANTIFROST PROTECTION Guaranteed for outdoor air temperature down to -20°C, thanks to the intervention of all the available sources inside the heat pump: the machine operating in heating mode, together with the onboard electric heating element (as a standard on the plate heat exchanger) and the electric booster (if installed).

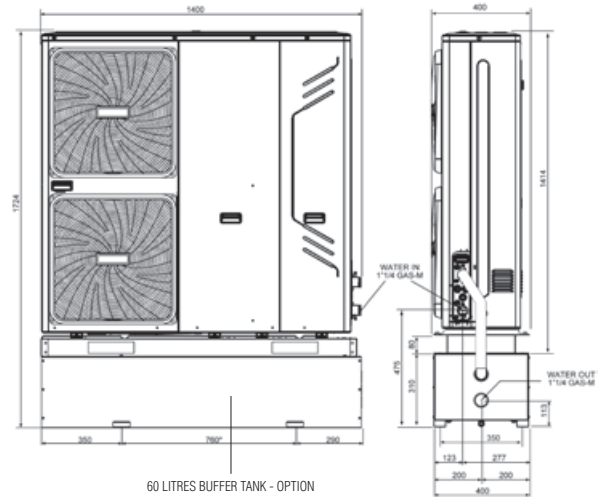**REMOTE CONTROLLER (REM CC)**
AS A STANDARD

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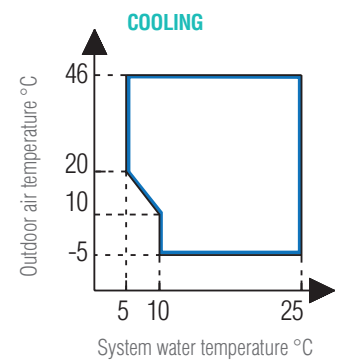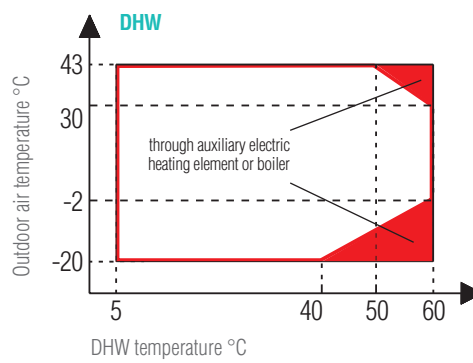## DIMENSIONS

mod. 5 - 7

60 LITRES BUFFER TANK - OPTION

mod. 10 - 14 - 14T

60 LITRES BUFFER TANK - OPTION
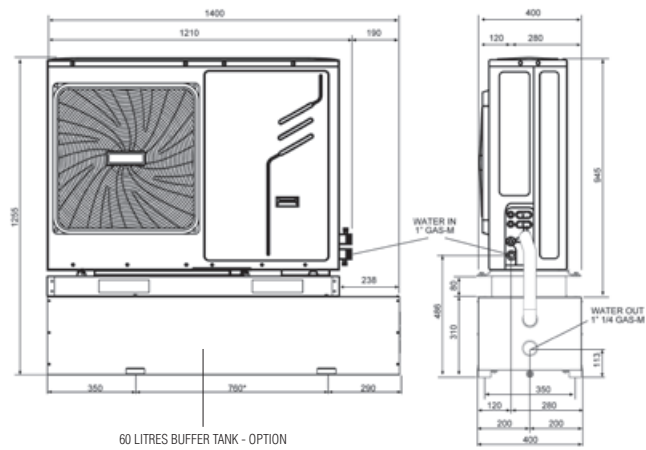
MODEL	5	7	10	14	14T
Package dimensions (mm)	1500x1140x450		1475x1580x440		1475x1580x440
Net weight \ Gross weight (kg)	99 / 117		157 / 178		172 / 193

OPERATION LIMITS
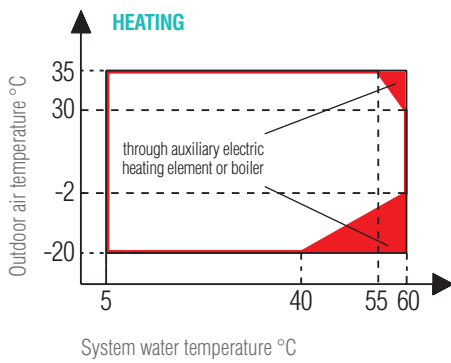
MINIMUM CLEARANCE
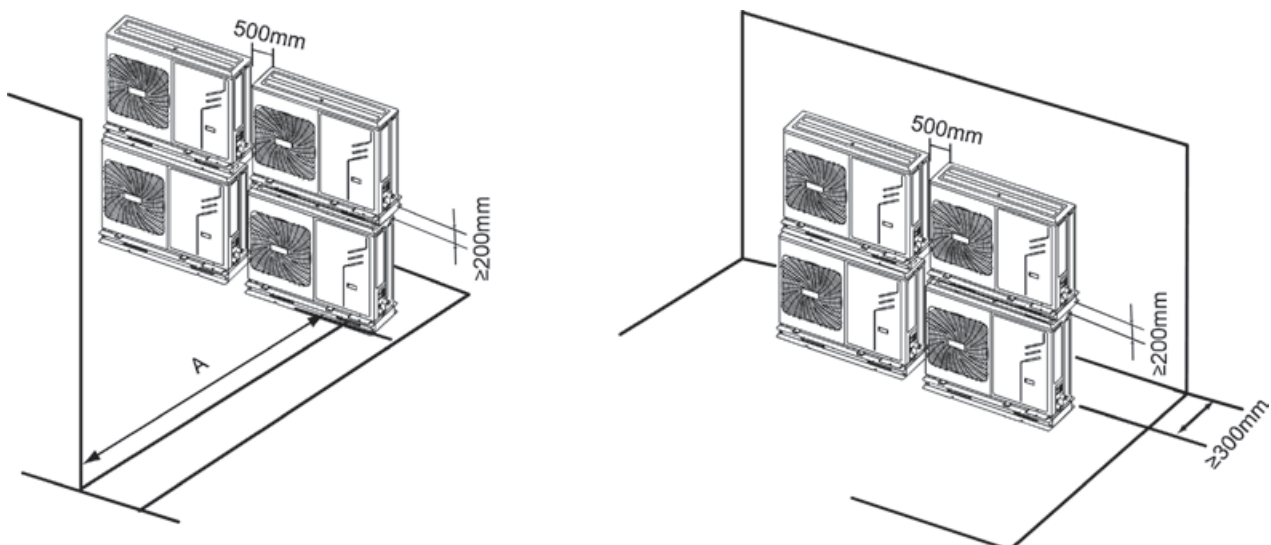
MODEL	5	7	10	14	14T
A (mm)	1000		1500		

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TECHNICAL DATA

GENERAL DATA		5	7	10	14	14T
ERP efficiency capacity: medium temperature (water 55°C)		A+	A+	A+	A+	A++
ERP efficiency capacity: low temperature (water 35°C)		A++	A++	A++	A++	A++
Power supply	V-ph-Hz	220-240V~ 50Hz, 1Ph				380-415V~ 50Hz, 3Ph+N
Compressor type	-	Twin Rotary DC				
N° compressors / N° refrigerant circuits	n°	1/1				
Plant side heat exchanger type	-	stainless steel brazed plates				
Source side heat exchanger type	-	finned coil				
Fans type	-	DC axial				
N° fans	n°	1		2		
Expansion tank volume	l	2		5		
Water safety valve set	bar	3		3		
Hydraulic fittings	"	1"		1-1/4"		
Minimum water content on the system	l	20 (obtainable eventually integrating a buffer tank)				
DHW boiler - minimum surface of the coil	m²	1,4		1,7		
Refrigerant type	-	R410A		R410A		
Refrigerant charge	kg	2,40		3,60		
Control type	-	remote wired				
SWL - Sound power level*	dB(A)	61	65	66	71	71
SPL - Sound pressure level at 1mt**	dB(A)	46	50	51	56	56
Maximum current input	A	16	16	32	32	16

* **SWL =** Sound power levels, with reference to 1x10⁻¹² W. The Total sound power level in dB(A) measured in compliance with ISO 9614 standards. The Total Sound Power in db(A) the only binding acoustic specification.
** **SPL** = Sound pressure levels, with reference to 2x10⁻⁵ Pa. The sound pressure levels are values calculated by applying the ISO-3744 relation.

PERFORMANCE DATA				5	7	10	14	14T
A7W35	Heating capacity	W	nom	4580	6550	10430	14760	14100
		W	min-max	1566-8884	2050-10910	3586-13395	5207-16595	4715-16763
	Power input	W	nom	970	1450	2280	3400	3260
		W	min-max	327-2226	448-2734	771-3848	1178-4768	1077-4816
	COP	W/W		4,72	4,52	4,57	4,34	4,33
	Water flow rate	l/h		788	1127	1794	2539	2425
A7W45	Heating capacity	W	nom	4670	6690	10170	14080	14110
		W	min-max	581-6238	2047-7661	3429-12207	4870-15123	4626-15276
	Power input	W	nom	1430	2050	3080	4470	4460
		W	min-max	478-1944	623-2387	1025-3948	1525-4892	1451-4941
	COP	W/W		3,27	3,26	3,30	3,15	3,16
	Water flow rate	l/h		803	1151	1749	2422	2427
A35W18	Cooling capacity	W	nom	4550	6450	10250	14610	14030
		W	min-max	2255-8818	2788-10829	5037-14203	6423-17596	5873-17774
	Power input	W	nom	1000	1470	2060	3320	3260
		W	min-max	448-2447	581-3022	931-3867	1314-4791	1269-4839
	EER	W/W		4,55	4,39	4,98	4,40	4,30
	Water flow rate	l/h		7,83	1109	1763	2513	2413
A35W7	Cooling capacity	W	nom	4550	6710	10440	12950	13800
		W	min-max	1454-5524	1850-7136	3485-11364	4435-13629	4480-14566
	Power input	W	nom	1550	2570	3280	4530	5140
		W	min-max	483-2097	687-3029	1077-4249	1520-5500	1649-6288
	EER	W/W		2,94	2,61	3,18	2,86	2,68
	Water flow rate	l/h		783	1154	1796	2227	2374
CODE				2C09700I	2C09701I	2C09702I	2C09703I	2C09704I

The values are referred to units without options and accessories.
Data declared according to **EN 14511**:
EER (Energy Efficiency Ratio) = ratio of the total cooling capacity to the effective power input of the unit
COP (Coefficient Of Performance) = ratio of the total heating capacity to the power input of the unit effective

A35W7 = source : air in 35°C d.b. / plant : water in 12°C out 7°C
A35W18 = source : air in 35°C d.b. / plant : water in 23°C out 18°C
A7W45 = source : air in 7°C d.b. 6°C w.b. / plant : water in 40°C out 45°C
**A7W35** = source : air in 7°C d.b. 6°C w.b. / plant : water in 30°C out 35°C

ACCESSORIES	DESCRIPTION
2C0970AF	Electric booster 3kW 230-1-50 for internal installation
2C0970BF	System flow temperature probe 10 mt
2C0970CF	Rubber antivibration kit RVL-I PLUS
2C0970DF	KFI 60 lt buffer tank RVL-I PLUS

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ECOGEO-2 PC DHW CYLINDER
FOR HEAT PUMP + BOILER

ERP

- DHW cylinder, integrating 2 coils in carbon steel and anodic protection. Lower coil is generously dimensioned for connection of the heat pump
- Internal surface treatment: vitrification, according to DIN 4753-3 and UNI 10025
- Insulation in rigid PU, 50 mm thickness
- Preset for electric heating element (not supplied)

ITEM (mm)	200	300	500
A	500	500	650
B	1000	1390	1425
C	885	1045	1060
D	810	955	960
E	320	320	365
F	220	220	265
G	290	290	345
H	375	375	440
I	750	890	880
J	835	1005	1015
L	905	1165	1170
M	975	1320	1330
N	1070	1390	1415
O	1215	1615	1690
P	150	150	150
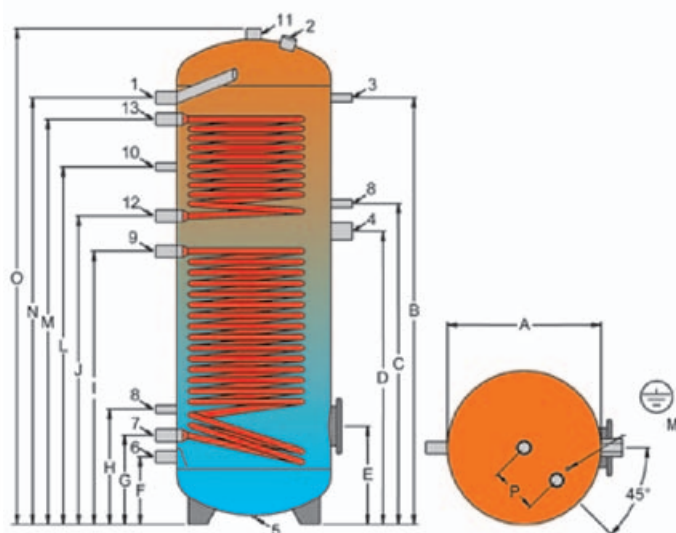
CONNECTIONS		200-300-500
1	DHW supply	1"
2	Anode	1" 1/4
3	Thermometer - probe	1/2"
4	Electric heating element	1" 1/2
5	Drain	1/2"
6	Cold water inlet	1"
7	Coil return	1"
8	Thermostat	1/2"
9	Coil flow	1"
10	Recirculation	1/2"
11	DHW supply	1" 1/4
12	Upper coil return	1"
13	Upper coil flow	1"

ECOGEO-2 PC		200	300	500
ERP Class		C	C	C
Total volume	l	196	273	475
Max operating pressure / coils pressure	bar	10 / 10	10 / 10	10 / 10
External diameter including insulation	mm	600	600	750
Total height	mm	1215	1615	1690
Empty weight	kg	95	130	170
Upper / lower coil surface	m²	0,5 / 1,5	1,1 / 1,8	1,3 / 2,2
DHW production 80-60°C / 10-45°C (lower / upper coil)	m³h	0,3 / 0,9	0,7 / 1,1	0,8 / 1,4
CODE		20Z14950	20Z14960	20Z14970

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ECOGEO-2 SP

DHW CYLINDER
FOR HEAT PUMP + SOLAR THERMAL

ERP

- DHW cylinder, integrating 2 coils in carbon steel and anodic protection. Upper coil is generously dimensioned for connection of the heat pump
- Internal surface treatment: vitrification, according to DIN 4753-3 and UNI 10025
- Insulation in rigid PU, 50 mm thickness
- Preset for electric heating element (not supplied)
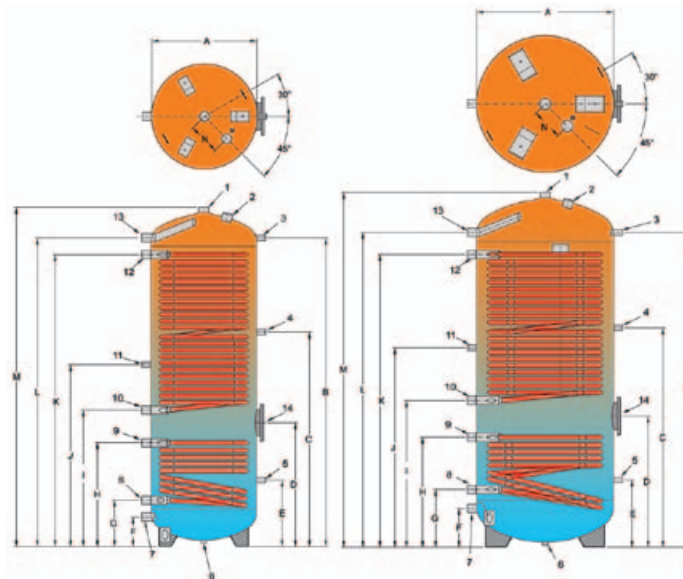
ITEM (mm)	300	500
A	500	650
B	1470	1500
C	1020	1045
D	590	625
E	315	320
F	140	185
G	220	275
H	495	525
I	650	700
J	865	950
K	1390	1395
L	1470	1500
M	1615	1690
N	150	150

CONNECTIONS		300-500
1	DHW supply	1" 1/4
2	Anode	1" 1/4
3	Thermometer / probe	1/2"
4	Thermostat	1/2"
5	Thermostat	1/2"
6	Drain	1/2"
7	Cold water inlet	1"
8	Lower coil return	1"
9	Lower coil flow	1"
10	Upper coil return	1"
11	Recirculation	1/2"
12	Upper coil flow	1"
13	DHW recirculation	1"
14	Electric heating element (not supplied)	1/2"

ECOGEO2-SP		300	500
ERP Class		C	C
Total volume	l	291	500
Max operating pressure / coils pressure	bar	10 / 6	10 / 6
External diameter including insulation	mm	590	740
Total height	mm	1615	1710
Empty weight	kg	140	245
Upper / lower coil surface	m²	3,7 / 1,2	5,2 / 1,8
DHW production 60-50°C / 10-45°C (upper coil)	m³h	0,45	0,68
DHW production 80-60°C / 10-45°C (lower coil)	m³h	0,71	1,08
CODE		20Z14670	20Z14680

Ferroli

AQUA¹ PLUS
AIR-WATER HEAT PUMPS
FOR DOMESTIC HOT WATER PRODUCTION

> 2 MODELS

> LT (LOW-TEMPERATURE)
Air inlet -7°C / +38°C
Only Floor standing set-up, models **200-260**
Including auxiliary solar coil

> HT (HIGH-TEMPERATURE)
Air inlet +4°C / +43°C
Floor standing set-up, models **160 -200-260**
Wall-hung set-up, model **90**

GENERALITIES
Air water heat pump for domestic hot water preparation. Storage in enamelled steel with anode protection, externally wrapped condenser for the highest safety and hygiene. Rotary compressor R134A coolant. Max setpoint temperature 56°C from renewable energy. Tank is insulated by a 50 mm tick PU layer.
Digital programmable electronics, heating settable integration with solar **(model LT)** or electric heating element (up to 70°C). Power settable integration with solar PV system.

ELECTRONICS
Includes a display, showing temperatures, parameters, alarms, operation status. Weekly timer included.
Operation strategies are the following:
AUTO: heat pump operation as a standard. Heating element over 56°C or as low-temperature backup
ECO: heating element disabled
OVERBOOST: combined temporary operation for quick warming.

DUCTING POSSIBILITIES
It is possible to draw air from an internal room or from outside. The latter condition is applicable also to model HT, provided the outdoor temperature is at least +4°C. The ducting manifold may be arranged in order to divert cooled exhaust air to an adjacent room during summer season and get a free-cooling service.
Air connections are on the top of the appliance, but, on floor standing model, also on the back, as an alternative.

SOLAR INTEGRATION
POWER: Electronics reserves a dedicated setpoint in case of electric supply from PV. It is thus possible to exploit free solar energy in order to boost DHW production at higher temperature and then stock hot water for longer time.
HEATING: Available on LT models only. When solar heating is enabled, heat pump operation will be stopped for a set period, in order maximise efficiency of DHW production through solar energy.

FLOOR STANDING

HORIZONTAL ALTERNATIVE

··
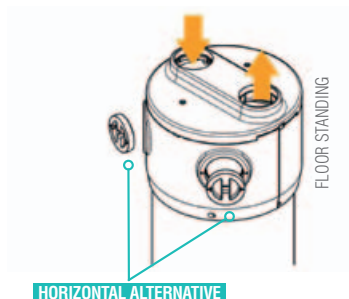
COMPONENTS

KEY
1 Soundproof thermic insulation in PPE
2 Axial-centrifugal fan
3 Rotary compressor, R143a gas
4 Refrigerant circuit including thermostatic valve
5 Storage tank in enamelled steel
6 Magnesium anode
7 Auxialiary heating element
8 Condensate drain connection
9 50 mm PU tank insulation
10 Aluminium condenser, externally wrapped around the tank
11 Embossed ABS external lining
12 Finned evaporator including Al-tube without welding
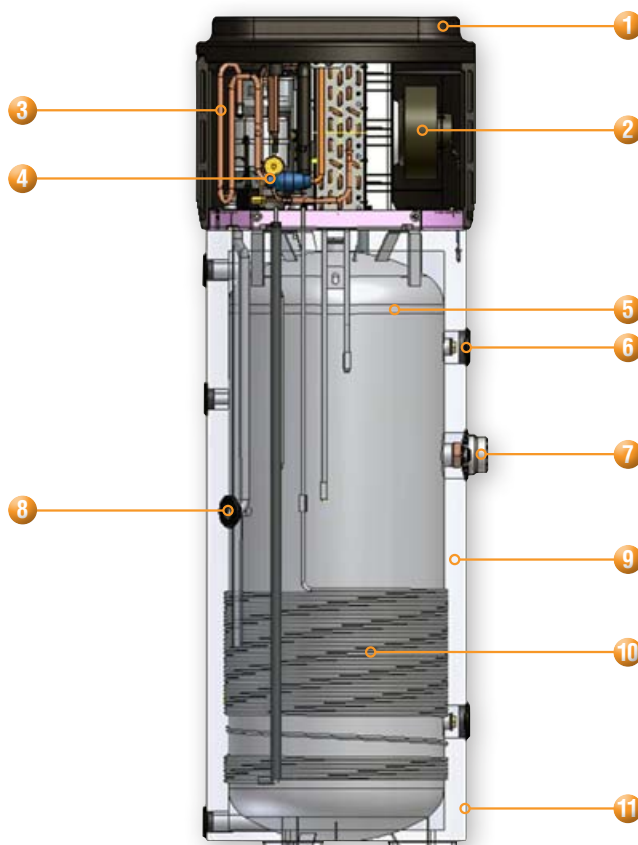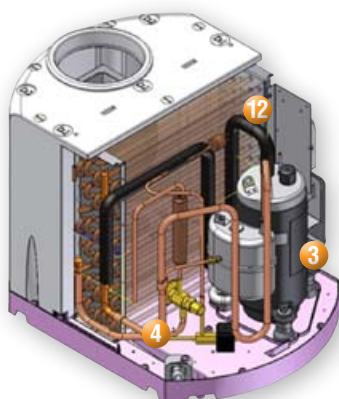
DIMENSIONS

mod. HT 90
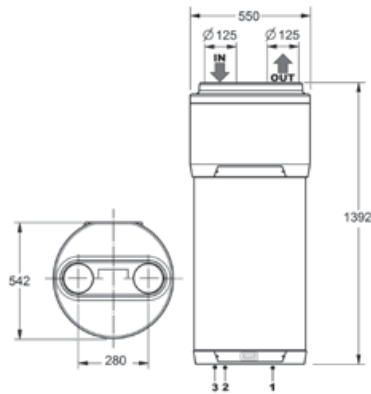
mod. HT 160 / 200 / 260
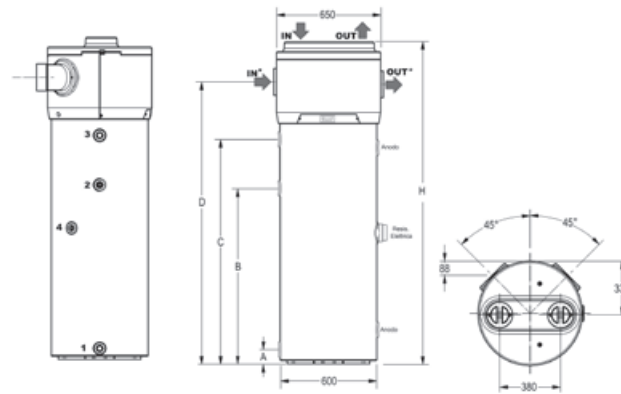
MODEL 90	
1 Cold water inlet	G 1/2
2 DHW supply	G 1/2
3 Condensate drain	G 1/2

MODELS 160 / 200 / 260	
1 Cold water inlet	G 1
2 Recirculation	G 3/4
3 DHW supply	G 1
4 Condensate drain	G 1/2

ITEM (mm)	160	200	260
A	68	68	68
B	1085	1085	1085
C	894	1104	1394
D	1254	1464	1754
H	1504	1714	2004

mod. LT 200 / 260
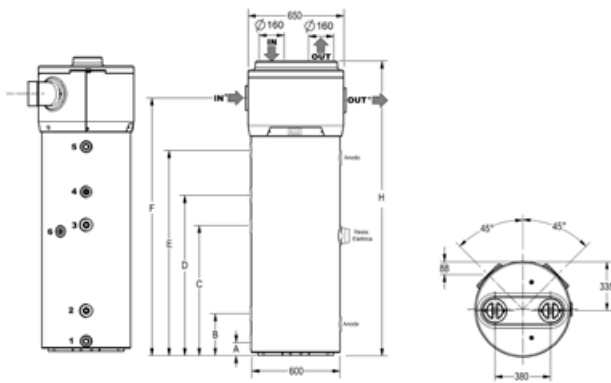
MODELS 200 / 260	
1 Cold water inlet	G 1
2 Solar coil	G 1" 1/4
3 Solar coil	G 1" 1/4
4 Recirculation	G 3/4
5 DHW supply	G 1
6 Condensate drain	G 1/2

ITEM (mm)	200	260
A	68	68
B	275	275
C	570	860
D	1085	1085
E	1104	1394
F	1464	1754
H	1714	2004

TECHNICAL DATA

AQUA¹ PLUS				90 HT	160 HT	200 HT	260 HT	200 LT	260 LT
Heat pump	Heating capacity (ISO)	W		1005	1600	1600	1600	1820	1820
	Total power input in heating (ISO)	W		210	370	370	370	430	430
	COP (ISO)	W/W		4,79	4,32	4,32	4,32	4,23	4,23
	Max power input	W		270	500	500	500	530	530
	Warming up time (EN) (1)	h:min		5:30	6:41	7:16	9:44	8:17	10:14
	Warming energy (EN) (1)	kWh		1,20	2,68	2,83	3,74	3,25	3,99
	Stand-by input (EN) (1)	W		14	29	27,3	31	29	29
	Class of usage (EN) (1)	Type		M	L	L	XL	L	XL
	Power consumption during cycle of use WEL-TC (EN) (2)	kWh		2,20	4,43	4,18	6,17	3,97	6,19
	COP DHW (EN) (1)	W/W		2,70	2,63	2,80	3,10	2,94	3,08
	Reference temperature (EN) (1)	°C		50,8	55,9	51,4	53,7	53,7	52,7
	Max. quantity of water usable (EN) (2)	m³		0,094	0,233	0,260	0,358	0,275	0,342
	Heating efficiency. Ref St. (EU)	%		104	104	110	121	117	121
	Energy efficiency. Ref St. (EU)	-		A	A	A	A	A	A
	Annual power consumption (EU)	kWh/year		489	986	929	1384	879	1393
Electric heating	Capacity	W		1200	1500	1500	1500	1500	1500
Heat pump + electric heating	Total power input	W		1410	1870	1870	1870	1960	1960
	Max total power input	W		1470	2000	2000	2000	2030	2030
Tank	Volume	l		87	158	199	255	196	248
Solar coil	Total surface (ISO)	m²		-	-	-	-	0,6	1,0
	Max pressure (ISO)	Mpa		-	-	-	-	0,7	0,7
Sound power level		dB(A)		60	59	59	59	60	60
Weight	Net	kg		48,5	70	80	100	99	115,2
CODE				2C0B600F	2C0B601F	2C0B602F	2C0B603F	2C0B604F	2C0B605F

NOTE: Standard power supply 230-1-50 V/Hz, limit power supply 207-254 V **(1):** Heating cycle: Ambient temperature = 15°C B.S. / 12°C B.U. ● Initial water temperature = 10°C **(2):** Use temperature 40°C ● inlet water temperature 10°C **(ISO):** Data according to the standard ISO 255-3 **(EN):** Data according to the standard EN 16147:2011 **(EU):** Data according to the standard EU 812/2013

Ferroli

FAN COILS

TOP FAN PLUS

FAN COIL
WITH CENTRIFUGAL FAN

- Compact and smart design. Casing is made of combination of plastic material and galvanised steel, coated with epoxy powder
- Bearing structure in galvanised steel
- **Exchanger made of copper pipes and aluminium fins**; brass manifolds designed to grant small pressure drop
- Air filter easibily accessible, can be regenerated simple by washing with water
- Fan assembly with 3 speed motor and aluminium fan
- **Wide range of controls**: can be installed on board or remotely hung on the wall

TOP FAN VM-B
(lower air intake)
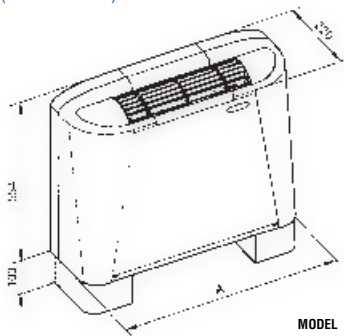
MODEL	A mm	WEIGHT kg
15÷20	690	14
30÷40	940	20
50÷80	1190	27
100÷120	1440	34

TOP FAN VM-F
(front air intake)
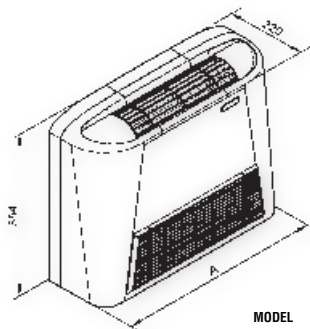
MODEL	A mm	WEIGHT kg
15÷20	690	15
30÷40	940	21
50÷80	1190	28
100÷120	1440	36

TOP FAN VN
(concealed installation)
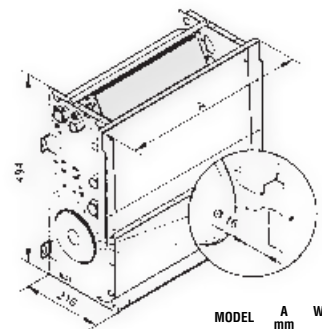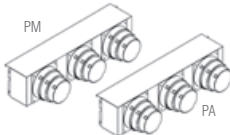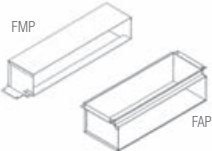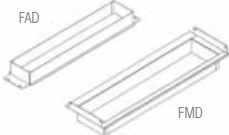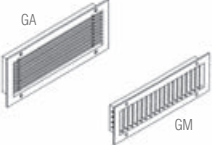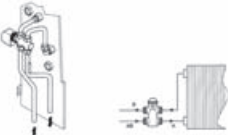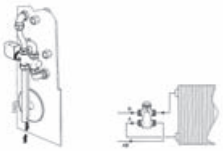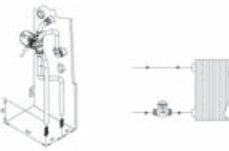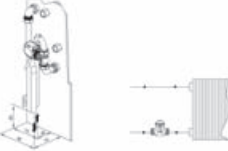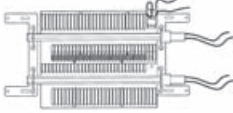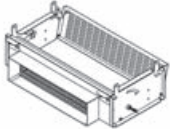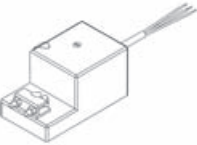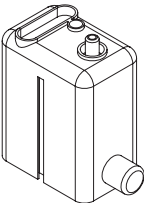
MODEL	A mm	WEIGHT kg
15÷20	474	11
30÷40	724	15
50÷80	974	22
100÷120	1224	29

| MODEL			15	20	30	40	50	60	80	100	120
Total cooling capacity	max (E)	W	1100	1400	2100	2800	3400	4000	4900	6100	6850
	med	W	980	1200	1850	2450	3010	3550	4350	5500	6100
	min	W	770	950	1450	1900	2390	2800	3600	4400	5000
Sensitive cooling capacity	max (E)	W	850	1060	1620	2060	2420	2900	3800	4630	5300
	med	W	735	910	1400	1780	2245	2550	3350	4045	4630
	min	W	560	705	1090	1390	1710	1985	2735	3155	3720
Water flow rate	E	l/h	189	241	361	482	585	688	843	1.049	1.178
Dehumidifying max speed		g/h	350	490	670	1.050	1.150	1.550	1.600	2.100	2.200
Water pressure drop	E	kPa	3,6	5,3	9,6	15,2	13	14,6	15	8	10,1
Thermal capacity	max (E)	W	2800	3650	5500	6500	7800	9400	12500	14900	15800
	med	W	2400	3150	4550	5450	6600	7900	10800	12500	13270
	min	W	1800	2250	3400	4000	4930	5800	8300	9600	10000
Water flow rate		l/h	241	314	473	559	671	808	1.075	1.281	1.359
Water pressure drop	E	kPa	5,1	8,6	17,6	24,2	14	18,1	17,7	10,8	12,1
Air flow rate	max (E)	m³/h	215	280	410	515	615	750	1050	1200	1350
	med	m³/h	170	210	310	400	510	600	850	970	1070
	min	m³/h	110	140	220	290	350	410	570	670	720
Sound power (E)	max	db(A)	43	47	50	54	51	55	62	61	64
	med	db(A)	39	42	43	48	44	49	57	57	59
	min	db(A)	32	35	36	41	36	38	48	49	51
Sound pressure (*)	max	db(A)	34	38	41	45	42	46	53	52	55
	med	db(A)	30	33	34	39	35	40	48	48	50
	min	db(A)	23	26	27	32	27	29	39	40	42
CODE	VM-B		1ZE2E00P	1ZE2A01P	1ZE2E02P	1ZE2E03P	2O48001F	1ZE2E04P	1ZE2E05P	1ZE2E06P	1ZE2E07P
	VM-F		1ZE2E08P	1ZE2E09P	1ZE2E10P	1ZE2E11P	2O48101F	1ZE2E12P	1ZE2E13P	1ZE2E14P	1ZE2E15P
	VN		1ZE2E16P	1ZE2E17P	1ZE2E18P	1ZE2E19P	2O68001F	1ZE2E20P	1ZE2E21P	1ZE2E22P	1ZE2E23P

NOTES : HEATING MODE: Room Air T=20°C D.B. , IN/OUT water 70°/60°C, nominal air flow-rate; for medium and minimum fan speed, water delivery as in maximum speed. - COOLING MODE: Room Air T=27°C D.B. / 19°C W.B., IN/OUT water 7°/12°C, nominal air flow-rate; For medium and minimum fan speed, water delivery as in maximum speed. - (E) Declared data according to the certification programme LCP EUROVENT. * Sound pressure in a 100 m³ place with reverberation time of 0.5 seconds.

Ferroli

BCV-F   BCO-F

VERTICAL/HORIZONTAL TRAY

PM

PA

PM DELIVERY PLENUM
PA INLET PLENUM

FMP

FAP

PERPENDICULAR
INTAKE/DELIVERY FLANGE

FAD

FMD

STRAIGHT
INTAKE/DELIVERY FLANGE

1 ROW SUPPLEMENTARY BANK

GA

GM

INTAKE/DELIVERY GRILL

ON-OFF VALVE FOR 1R EXCHANGER

ON-OFF VALVE FOR 3R EXCHANGER

2-WAYS VALVE
FOR 1R EXCHANGER

2-WAYS VALVE
FOR 3R EXCHANGER

SUPPORT FEET

REAR CLOSING PANEL

ELECTRICAL HEATER

ENABLING THERMOSTAT
(only with CMR-F e CM-F SWITCH)

OUTDOOR AIR INLET SHUTTER

SHUTTER'S MOTOR

ADJUSTABLE AIR FINS

PSC-F CONDENSATE
DISCHARGE PUMP

CONTROLS

1

2
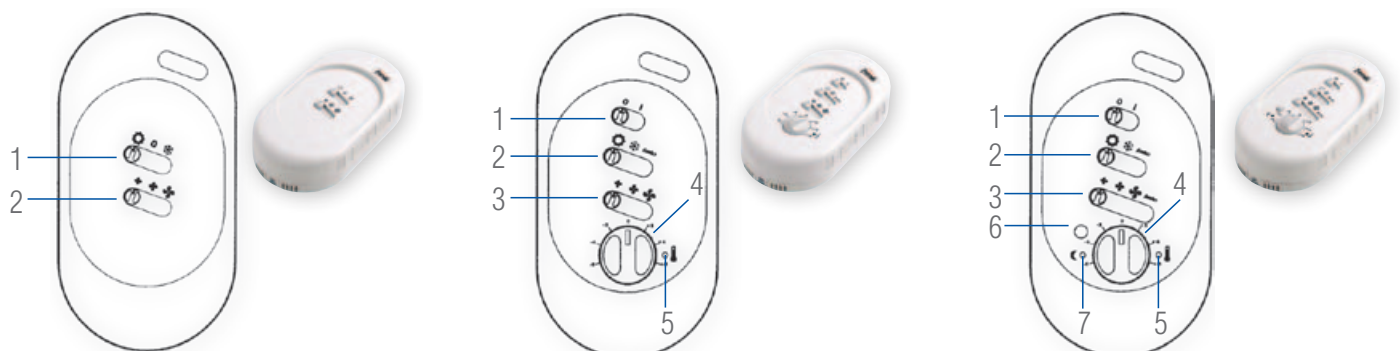
CONTROL SWITCH
Includes a knob (1) for Summer Off/Winter mode, while through the second knob (2) fan speed can be selected: min/med/max.
Two executions are available:
- for cabinet installation **CM-F**
- for wall remote installation **CMR-F**

1
2
3
4
5

BASIC THERMOSTAT
Includes a knob (1) for On / Off, one (2) for Summer/Winter/Auto mode, another (3) for fan speed Min / Med / Max, while the fourth knob (4) is used for temperature setpoint. Position marked with "zero" corresponds to 20° in heating mode, 25°C in cooling operation. Red LED (5) is on when there is a heat/cool request.
Two executions are available:
- for cabinet installation **TA-F**
- for wall remote installation **TAR-F**

1
2
3
6
4
7
5

EVOLVED THERMOSTAT
Two executions are available:
- for cabinet installation **TE-F**
- for wall remote installation **TER-F**
Functions of knobs (1) (2) (3) (4) are the same as basic thermostat. Position marked with "zero" corresponds to 20° in heating mode, 25°C in cooling operation. Red LED (5) is on when there is a heat/cool request. Economy button (6) enables winter and summer setpoint to be modified. Once the button is pressed a green LED (7) will be ON and fan will be forced at its maximum speed.

ACCESSORIES MATCHING

CODE	MODEL	DESCRIPTION	TOP FAN MODEL								
			15	20	30	40	50	60	80	100	120
19E2A07B	CMR-F	Remote control switch	●	●	●	●	●	●	●	●	●
19E2A08B	TAR-F	Basic remote controlled thermostat	●	●	●	●	●	●	●	●	●
19E2A09B	TER-F	Evolved remote controlled thermostat	●	●	●	●	●	●	●	●	●
19E2A11B	CM-F	Cabinet switch	●	●	●	●	●	●	●	●	●
19E2A12B	TA-F	Basic cabinet thermostat	●	●	●	●	●	●	●	●	●
19E2A13B	TE-F	Evolved cabinet thermostat	●	●	●	●	●	●	●	●	●
19E2A10A	PA-F	Bearing feet	●	●	●	●	●	●	●	●	●
19E2A14A	BCO-F	Additional horizontal tray	●	●	●	●	●	●	●	●	●
19E2A15A	BCV-F	Additional vertical tray	●	●	●	●	●	●	●	●	●
20Z19080	VB1-F	3-ways on-off valve for 1R bank	●	●	●	●	●	●	●	●	●
20Z19090	VB3-F	3-ways on-off valve for 3R bank	●	●	●	●	●	●	●	●	●
20Z19040	2VB1-F	2-ways on-off valve for 1R bank	●	●	●	●	●	●	●	●	●
20Z19050	2VB3-F	2-ways on-off valve for 3R bank	●	●	●	●	●	●	●	●	●
19E2A18A	TC-F	Enabling thermostat (*)	●	●	●	●	●	●	●	●	●
19E2A19A	BS-F1	Supplementary bank	●	●							
19E2A20A	BS-F2				●	●					
19E2A21A	BS-F3						●	●	●		
19E2A22A	BS-F4									●	●
19E2A23A	FMD-F1	Straight delivery flange	●	●							
19E2A24A	FMD-F2				●	●					
19E2A25A	FMD-F3						●	●	●		
19E2A26A	FMD-F4									●	●
19E2A27A	FMP-F1	Perpendicular delivery flange	●	●							
19E2A28A	FMP-F2				●	●					
19E2A29A	FMP-F3						●	●	●		
19E2A30A	FMP-F4									●	●
19E2A31A	PM-F1	Delivery plenum	●	●							
19E2A32A	PM-F2				●	●					
19E2A33A	PM-F3						●	●	●		
19E2A34A	PM-F4									●	●
19E2A35A	FAD-F1	Straight intake flange	●	●							
19E2A36A	FAD-F2				●	●					
19E2A37A	FAD-F3						●	●	●		
19E2A38A	FAD-F4									●	●
19E2A39A	FAP-F1	Perpendicular intake flange	●	●							
19E2A40A	FAP-F2				●	●					
19E2A41A	FAP-F3						●	●	●		
19E2A42A	FAP-F4									●	●
20Z15160	FAI-F1	Lower intake flange	●	●							
20Z15170	FAI-F2				●	●					
20Z15180	FAI-F3						●	●	●		
20Z15190	FAI-F4									●	●
19E2A43A	GM-F1	Delivery grille	●	●							
19E2A44A	GM-F2				●	●					
19E2A45A	GM-F3						●	●	●		
19E2A46A	GM-F4									●	●
19E2A47A	GA-F1	Intake grille	●	●							
19E2A48A	GA-F2				●	●					
19E2A49A	GA-F3						●	●	●		
19E2A50A	GA-F4									●	●
19E2A51A	PC-F1	Rear closing panel	●	●							
19E2A52A	PC-F2				●	●					
19E2A53A	PC-F3						●	●	●		
19E2A54A	PC-F4									●	●
19E2A55A	RE-F1	Electric heating elements (1)	●	●							
19E2A56A	RE-F2				●	●					
19E2A57A	RE-F3						●	●	●		
19E2A58A	RE-F4									●	●
19E2A93A	PA-F1	Inlet plenum	●	●							
19E2A94A	PA-F2				●	●					
19E2A95A	PA-F3						●	●	●		
19E2A96A	PA-F4									●	●
19E2A63A	SR-F1	Outdoor air inlet shutter	●	●							
19E2A64A	SR-F2				●	●					
19E2A65A	SR-F3						●	●	●		
19E2A66A	SR-F4									●	●
19E2A67A	MS-F	Shutter's motor	●	●	●	●	●	●	●	●	●
19E2B00A	AO-F1	Adjustable air fins	●	●							
19E2B01A	AO-F2				●	●					
19E2B02A	AO-F3						●	●	●		
19E2B03A	AO-F4									●	●
19E2B04A	PSC-F	Condensation discharge pump	●	●	●	●	●	●	●	●	●

(*) to be coupled to control switch (cabinet type or remote)

'(1) Heater output, respectively from F1 to F4 models: 800 W, 1500 W, 2200 W, 2600 W

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SUPER FAN
WALL-TYPE FAN COIL

> THE RANGE
4 Sizes:
Nominal cooling capacity 1,31 ÷ 4,38 kW
Nominal heating capacity 1,6 ÷ 5,25 kW
Suitable for master-slave connection and management through a unique controller

> GENERALITIES
Cabinet in ABS thermoplastic, robust and UV resistant. Ventilator is actuated by a energy-efficient EC motor. The units are already equipped with a 3 way valve, which bypasses the exchanger when the fan is idle.

> CONTROLLERS
Two different controllers are available. One of them must be chosen for each unit or cascade. In the latter case, one control will handle all the connected units.

Infrared remote control REM-I - code 2C0730AF
7 mts distance limit. Includes wall-fixing support

Wired evolved wall controller REM-W - code 2C0730BF
It is a remote control for all parameters of the fan coil and a programmable thermostat. In case of a cascade operation it is possible to set the functions individually for each unit or harmonised ones for all. The controller works also as a receiver of the infrared remote control

Master-Slave System
max 32 units

REM-I   REM-W

SUPER FAN			15	25	35	45
Total cooling capacity [1] [E]	max	W	990	2050	3010	3710
	min	W	670	1360	1860	2660
Sensible cooling capacity [1] [E]	max	W	850	1520	2220	2740
	min	W	570	995	1350	1940
Dehumidification at maximum speed [1]		g/h	400	700	1050	1330
Water flow rate [1]		l/h	170	356	521	643
Water pressure drop on water side [E]		kPa	22,8	28,8	38,5	50
Heating capacity [2] [E]	max	W	1480	2640	3850	4770
	min	W	990	1720	2340	3370
Water flow rate [2]		l/h	170	356	521	643
Water pressure drop on water side [2] [E]		kPa	18,4	22,4	35,0	45,0
Air flow rate	max	m³/h	370	500	645	880
	min	m³/h	220	290	370	570
Width		mm	876	876	876	876
Height		mm	300	300	300	300
Dept		mm	228	228	228	228
Weigh		kg	11	12	13	14
Plumbing connections	Ø	inches	1/2" F	1/2" F	1/2" F	1/2" F
CODE			**2C07300F**	**2C07301F**	**2C07302F**	**2C07303F**

NOTE:
(1) Water 7°C IN- 12°C OUT - Air 27°C DB 19°C WB **(2)** Water 50°C IN - Same flow rate cool mode - Air 20°C DB **(3)** Water 70°C IN - OUT 60°C - Air 20°C DB **(4)** Sound pressure level at 1mt from the unit. **(E)** Eurovent certified data. Pressure losses on water side include losses on the valve - Power supply 230-15-50 - Plumbing connections 1/2" F

JOLLY PLUS 2

CROSS FLOW FAN
WITH BRUSHLESS MOTOR

TC PLUS
ON BOARD STEPLESS SPEED CONTROL. SUPPLIED AS A STANDARD
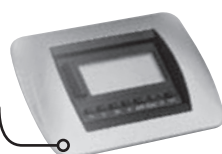ON SPECIFIC MODELS. (see following pages)

UNIT

TC-R Plus

TC-R PLUS
STEPLESS SPEED CONTROL. TO BE ORDERED SEPARATELY.
WALL INSTALLATION

UNIT

TD-3R

TD-3R
3 SPEED CONTROL. TO BE ORDERED SEPARATELY.
IN-WALL INSTALLATION

> GENERAL FEATURES
Tangential fan coil unit series including high-efficiency brushless motors. 131 mm as maximum depth, attractively designed casing, suitable for residential heating and air conditioning applications. Available in three versions, **VM-F** featuring motorized front air inlet louvre, **VM-G** including fixed inlet grille and **VN** without casing for concealed applications. **Four sizes** and cooling capacity **from 0,83 kW to 3,34 kW**.
The careful design of the main components, refined styling and versatility make them suitable for any type of installation in the residential, commercial or industrial field.
Their installation requires only connection to the electrical and plumbing system

> CONSTRUCTION CHARACTERISTICS
SUPPORTING STRUCTURE: in galvanised high-thickness sheet, integrating structural and functional elements in plastic, such as the condensate tray and fan conveyor.
HEAT EXCHANGE COIL: copper tube arranged in staggered rows in order to increase heat exchange. Aluminium fins, fastened by mechanical expansion of the tubes. The manifolds intetgrate air vents and water drain holes. The coil has a pocket for the water temperature probe. The fan coils can be ordered with left or right connection. In case of need it is however possible to retate the coils. Conversion from left to right connection requires nevertheless an adapting kit.
CONDENSATE TRAY: in thermoplastic material -thus corrosion-free- supplied as a standards on models VM-G and VN. It permits either vertical and horizontal installation of the unit.
FAN MOTOR: the motor is a high-efficiency brushless type, speed-controlled. It is fitted on rubber supports to reduce noise transmission to the frame. Speed adjustment occurs on stepless mode. The units are also available on demand with compatibility to Ferroli 3 fixed speed control or pre existing ones.
TANGENTIAL FAN: the tangential-type fan is coupled directly to the motor and mounted on an anti-vibration support.
AIR FILTER: in polypropylene honeycomb, easily removable, it can be regenerated simply by washing with water.
CABINET (only VM-F and VM-G): entirely made in steel sheet and epoxy powder, coated to ensure high corrosion resistance. The air outlet grilles are on the top of the cabinet.
The side panels can be removed to ease the unit's installation and access to its internal components.
Available in colour RAL 9003.
AIR OUTLET GRILLE (only VM-F and VM-G): in aluminium, painted the cabinet colour. It can be rotated to get the air flow towards the room or against the wall.
AIR INLET GRILLE
(version VM-F): in extruded aluminium. It includes two thermal actuators opening the grille in parallel with activation of the fan. A microswitch prevents fan operation when the grille is removed for periodic filter cleaning.
(version VM-G): also in extruded aluminium. It is mounted below the front panel and is fixed blades type. Removable for filter cleaning.
PLUMBING CONNECTIONS: the units are equipped with EUROKONUS ¾" plumbing connections, that allow simple and safe connection.

> CONTROLS
Speed control can be made on progressive mode or on pre-set speeds

STEPLESS SPEED CONTROL
Specific controls - equipped with continuous regulation algorithms - have been developed. Such devices keep steady comfort conditions inside the room. Energy savings are also granted thanks to the fan modulation, as well as sound pressure minimization.
The electronics and its interface are available as on-board version **(TC plus)**, supplied as a standard on the models on VM-F and VM-G. The unit can be however been ordered without built-in control: a remote one **(TC-R plus)** can be ordered separately as an accessory.
TC-R plus remote thermostat can also handle up to 31 fan-coil units connected together in parallel. This solution is suitable for medium-large rooms containing several installed units.
Functions: Room setpoint regulation / Automatic fan speed / Noise limiter (decreasing fan speed) / NIGHT mode (fan speed decrease / setpoint modification) / MAX (brings speed fan to max)
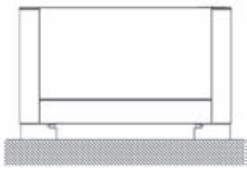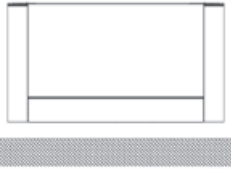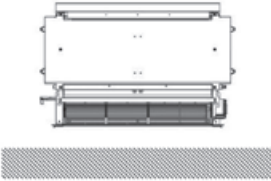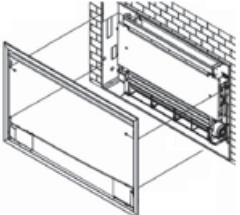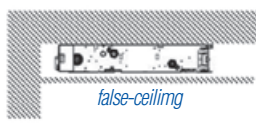**Connections:** 230 V output for ON-OFF valves / Independent voltage-free contacts for activation of a chiller or boiler depending on room thermostat request / Voltage free contact for room presence (window opening contact or hotel badge).
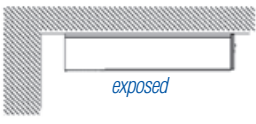
PRE-FIXED SPEED CONTROL
In case a 3 speed-control is wished to be used, the interface **TD-3R** is available, for remote in-wall installation.
The accessory needs to be ordered separately. Jolly Plus models which are compatible with the mentioned interface can however be coupled with 3-speed thermostats which may be already present in the installation.

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INSTALLATION

	Vertical above bearing feet. Room centered or against the wall	Vertical wall-hung	Vertical concealed	Horizontal. Ceiling mounted
VM-F version			✕	✕
VM-G version			✕	*exposed*
VN version	✕			*false-ceiling*

TECHNICAL DATA

MODEL		20	40	60	80
PERFORMANCE					
Total cooling capacity	W	830	1760	2650	3340
Sensible cooling capacity	W	620	1270	1960	2650
Water flow rate	l/h	143	303	456	574
Water pressure loss	kPa	7,2	8,4	22,5	18,6
Heating capacity at 50°C inlet water	kW	1090	2350	3190	4100
Water flow rate (50°C inlet water)	l/h	142	302	453	573
Water pressure loss (50°C inlet water)	KPa	5,7	6,6	16,3	14,0
Heating capacity without fan (50°C)	W	210	247	291	366
Heating capacity at 70°C inlet water ΔT 10	kW	1890	3990	5470	6980
Water flow rate (70°C ΔT 10)	l/h	162	343	471	600
Water pressure loss (70°C ΔT 10)	kPa	6,7	7,6	16,1	14,0
Heating capacity without fan (70°C)		322	379	447	563
HYDRAULIC CHARACTERISTICS					
Coil water content	litres	0,47	0,8	1,13	1,46
Max. operating pressure	bar	10	10	10	10
Plumbing connections	inches	Eurokonus 3/4	Eurokonus 3/4	Eurokonus 3/4	Eurokonus 3/4
AERAULIC DATA					
Max. air flow	m3/h	162	320	461	576
Air flow at medium speed (AUTO mode)	m3/h	113	252	367	453
Air flow at min. fan speed	m3/h	55	155	248	370
Available max. static pressure	Pa	10	10	13	13
ELECTRICAL DATA					
Power supply voltage	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Max. power absorbed	W	12	18	20	26
Max. current absorbed	A	0,11	0,16	0,18	0,26
Power absorbed at min. speed	W	4	5	5	6
SOUND LEVEL					
Sound pressure at max. air flow	dB(A)	39,4	40,2	42,2	42,5
Sound pressure at medium air flow	dB(A)	33,2	34,1	34,4	35
Sound pressure at min. air flow	dB(A)	24,2	25,3	25,6	26,3
WEIGHT					
Net weight unit VM-F / VM-G	kg	17	20	23	26
Net weight unit VN	kg	9	12	15	18

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NO INSTALLED VALVES	CONTROLLER MATCHING			MODEL	20	40	60	80
	MODELS	SUPPLY						
VN	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0270AF	2C0276AF	2C027CAF	2C027JAF
			RIGHT CONNECTION	CODE	2C0271AF	2C0277AF	2C027DAF	2C027KAF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0270LF	2C0276LF	2C027CLF	2C027JLF
			RIGHT CONNECTION	CODE	2C0271LF	2C0277LF	2C027DLF	2C027KLF
VM-F	TC Plus (on board)	already supplied	LEFT CONNECTION	CODE	2C02720F	2C02780F	2C027E0F	2C027L0F
			RIGHT CONNECTION	CODE	2C02730F	2C02790F	2C027F0F	2C027M0F
	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0272AF	2C0278AF	2C027EAF	2C027LAF
			RIGHT CONNECTION	CODE	2C0273AF	2C0279AF	2C027FAF	2C027MAF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0272LF	2C0278LF	2C027ELF	2C027LLF
			RIGHT CONNECTION	CODE	2C0273LF	2C0279LF	2C027FLF	2C027MLF
VM-G	TC Plus (on board)	already supplied	LEFT CONNECTION	CODE	2C027U0F	2C027W0F	2C027Y0F	2C027I0F
			RIGHT CONNECTION	CODE	2C027V0F	2C027X0F	2C027Z0F	2C027O0F
	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C027UAF	2C027WAF	2C027YAF	2C027IAF
			RIGHT CONNECTION	CODE	2C027VAF	2C027XAF	2C027ZAF	2C027OAF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C027ULF	2C027WLF	2C027YLF	2C027ILF
			RIGHT CONNECTION	CODE	2C027VLF	2C027XLF	2C027ZLF	2C027OLF

BUILT-IN 2 WAY VALVE (VB2)	CONTROLLER MATCHING			MODEL	20	40	60	80
	MODELS	SUPPLY						
VN	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0270BF	2C0276BF	2C027CBF	2C027JBF
			RIGHT CONNECTION	CODE	2C0271BF	2C0277BF	2C027DBF	2C027KBF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0270MF	2C0276MF	2C027CMF	2C027JMF
			RIGHT CONNECTION	CODE	2C0271MF	2C0277MF	2C027DMF	2C027KMF
VM-F	TC Plus (on board)	already supplied	LEFT CONNECTION	CODE	2C02721F	2C02781F	2C027E1F	2C027L1F
			RIGHT CONNECTION	CODE	2C02731F	2C02791F	2C027F1F	2C027M1F
	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0272BF	2C0278BF	2C027EBF	2C027LBF
			RIGHT CONNECTION	CODE	2C0273BF	2C0279BF	2C027FBF	2C027MBF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0272MF	2C0278MF	2C027EMF	2C027LMF
			RIGHT CONNECTION	CODE	2C0273MF	2C0279MF	2C027FMF	2C027MMF
VM-G	TC Plus (on board)	already supplied	LEFT CONNECTION	CODE	2C027U1F	2C027W1F	2C027Y1F	2C027I1F
			RIGHT CONNECTION	CODE	2C027V1F	2C027X1F	2C027Z1F	2C027O1F
	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C027UBF	2C027WBF	2C027YBF	2C027IBF
			RIGHT CONNECTION	CODE	2C027VBF	2C027XBF	2C027ZBF	2C027OBF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C027UMF	2C027WMF	2C027YMF	2C027IMF
			RIGHT CONNECTION	CODE	2C027VMF	2C027XMF	2C027ZMF	2C027OMF

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BUILT-IN 3 WAY VALVE (VB3)

BUILT-IN 3 WAY VALVE (VB3)	CONTROLLER MATCHING			MODEL	20	40	60	80
	MODELS	SUPPLY						
VN	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0270CF	2C0276CF	2C027CCF	2C027JCF
			RIGHT CONNECTION	CODE	2C0271CF	2C0277CF	2C027DCF	2C027KCF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0270NF	2C0276NF	2C027CNF	2C027JNF
			RIGHT CONNECTION	CODE	2C0271NF	2C0277NF	2C027DNF	2C027KNF
VM-F	TC Plus (on board)	already supplied	LEFT CONNECTION	CODE	2C02722F	2C02782F	2C027E2F	2C027L2F
			RIGHT CONNECTION	CODE	2C02732F	2C02792F	2C027F2F	2C027M2F
	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0272CF	2C0278CF	2C027ECF	2C027LCF
			RIGHT CONNECTION	CODE	2C0273CF	2C0279CF	2C027FCF	2C027MCF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C0272NF	2C0278NF	2C027ENF	2C027LNF
			RIGHT CONNECTION	CODE	2C0273NF	2C0279NF	2C027FNF	2C027MNF
VM-G	TC Plus (on board)	already supplied	LEFT CONNECTION	CODE	2C027U2F	2C027W2F	2C027Y2F	2C027I2F
			RIGHT CONNECTION	CODE	2C027V2F	2C027X2F	2C027Z2F	2C027O2F
	TC-R Plus (wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C027UCF	2C027WCF	2C027YCF	2C027ICF
			RIGHT CONNECTION	CODE	2C027VCF	2C027XCF	2C027ZCF	2C027OCF
	TD-3R (in-wall installation)	to be ordered separately	LEFT CONNECTION	CODE	2C027UNF	2C027WNF	2C027YNF	2C027INF
			RIGHT CONNECTION	CODE	2C027VNF	2C027XNF	2C027ZNF	2C027ONF

ACCESSORIES

REMOTE CONTROL

MODEL		DESCRIPTION	20	40	60	80	CODE
TC-R PLUS		Remote user interface - continuous control thermostat	●	●	●	●	2C0275YF
TD-3R		Remote digital user interface - 3 speed control	●	●	●	●	2C0211YF

HYDRAULIC ACCESSORIES

MODEL		DESCRIPTION	20	40	60	80	CODE
VB 2		2-way valve	●	●	●	●	2C0212YF
VB 3		3-way valve	●	●	●	●	2C0213YF
KRE 3/4"	-	Conversion kit Eurokonus 3/4" F	●	●	●	●	2C0219YF
KRE 1/2"	-	Conversion kit Eurokonus 1/2" F	●	●	●	●	2C021AYF
KLR PLUS	-	Water connection conversion left to right	●	●	●	●	2C0238YF

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ACCESSORIES

INSTALLATION ACCESSORIES

VM-F / VM-G version

MODEL		DESCRIPTION	20	40	60	80	CODE
PC 20		Front closing panel mod VM-F / VM-G 20	●				2C0270XF
PC 40		Front closing panel mod VM-F / VM-G 40		●			2C0271XF
PC 60		Front closing panel mod VM-F / VM-G 60			●		2C0272XF
PC 80		Front closing panel mod VM-F / VM-G 80				●	2C0273XF
PE		Cover feet (for wall-hung installation)	●	●	●	●	2C0278XF
PA		Bearing feet	●	●	●	●	2C0279XF

VN version

MODEL		DESCRIPTION	20	40	60	80	CODE
CF 20		Formwork mod VN 20	●				2C021LWF
CF 40		Formwork mod VN 40		●			2C021MWF
CF 60		Formwork mod VN 60			●		2C021NWF
CF 80		Formwork mod VN 80				●	2C021PWF
PCF 20		Cover panel mod VN 20	●				2C021QWF
PCF 40		Cover panel mod VN 40		●			2C021RWF
PCF 60		Cover panel mod VN 60			●		2C021SWF
PCF 80		Cover panel mod VN 80				●	2C021TWF
RA 20		Air intake fitting mod VN 20	●				2C0210WF
RA 40		Air intake fitting mod VN 40		●			2C0211WF
RA 60		Air intake fitting mod VN 60			●		2C0212WF
RA 80		Air intake fitting mod VN 80				●	2C0213WF
PMT 20		Flow telescopic plenum mod VN 20	●				2C0214WF
PMT 40		Flow telescopic plenum mod VN 40		●			2C0215WF
PMT 60		Flow telescopic plenum mod VN 60			●		2C0216WF
PMT 80		Flow telescopic plenum mod VN 80				●	2C0217WF
PMP 20		Flow perpendicular plenum mod VN 20	●				2C0218WF
PMP 40		Flow perpendicular plenum mod VN 40		●			2C0219WF
PMP 60		Flow perpendicular plenum mod VN 60			●		2C021AWF
PMP 80		Flow perpendicular plenum mod VN 80				●	2C021BWF
GM 20		Flow grille-curved blades mod VN 20	●				2C021CWF
GM 40		Flow grille-curved blades mod VN 40		●			2C021DWF
GM 60		Flow grille-curved blades mod VN 60			●		2C021EWF
GM 80		Flow grille-curved blades mod VN 80				●	2C021FWF
GA 20		Intake grille-curved blades mod VN 20	●				2C021GWF
GA 40		Intake grille-curved blades mod VN 40		●			2C021HWF
GA 60		Intake grille-curved blades mod VN 60			●		2C021JWF
GA 80		Intake grille-curved blades mod VN 80				●	2C021KWF

DIMENSIONS

VM-F e VM-G version

VN version

regulation thermostat (if present)

electric box (if present)
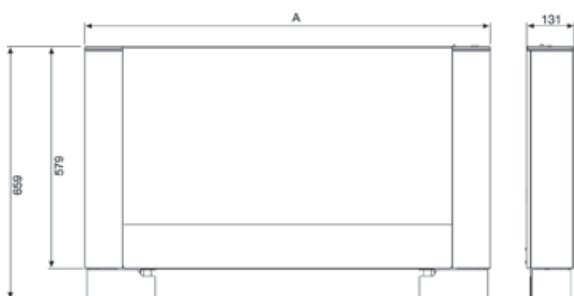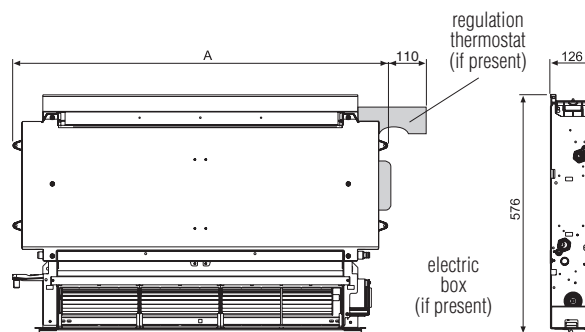
MODEL	20	40	60	80
VM-F / VM-G (mm)	735	935	1135	1335
VN (mm)	479	679	879	1079

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FERROLI SOLUTIONS

PRODUCT
DIVISIONS

Ferroli Group is not devoted only to design and realisation of domestic heating appliances. Its competence extends also to other product branches.

ELECTRIC WATER HEATERS

Small, mid, large capacities, also with built-in auxiliary coil. Patented electric element, Bluesilicon enamelled, highly resistant to limestone deposit.
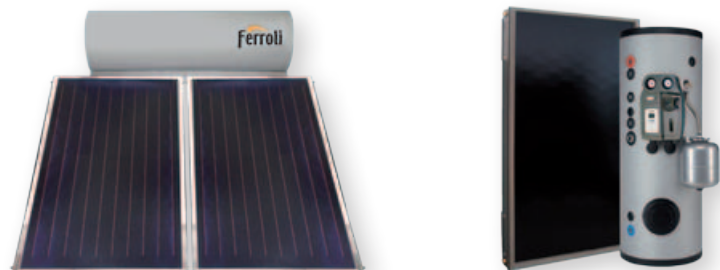
RESIDENTIAL CONDITIONING

Mono-and multisplit: highly efficient, refined climatic control, scrupulous care to room air health.

SOLAR THERMAL

Natural and forced circulation. All necessary components to build up customised domestic or commercial plants. Also in space/time saving execution.

INDUSTRIAL CONDITIONING / HEAT PUMPS

Water chillers untill 1450 kW cooling capacity, air handling units and heat recovery systems are the main products of the division, which manufactures also heat pumps with evolved technologies (i.e. vapour injection).
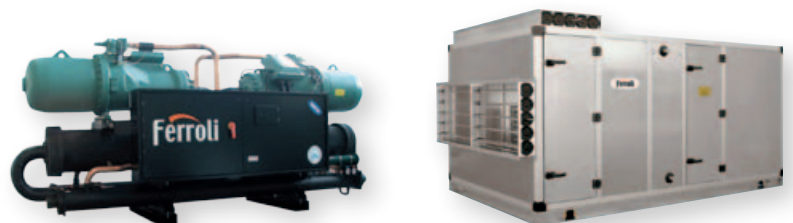
INDUSTRIAL HEATING

Our experienced R&D and flexible production can create the generator tailored to the customer need: hot/superheated water, steam generators or diathermic fluid heaters, operating with traditional fuels or biomass, also in combination with PLC controllers.

NOTES

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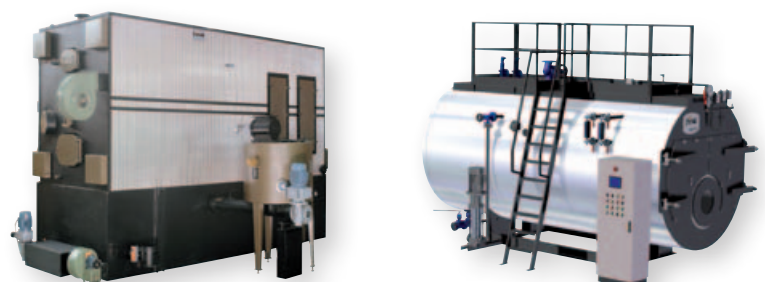
In accordance with the constant efforts to improve its range of products and thus raise the level of customer satisfaction, the Company stresses that the appearance and/or size, technical specifications and accessories may be subject to variation.