

EDGES
WARMING YOUR STYLISH LIVING



CARES X



BOILER

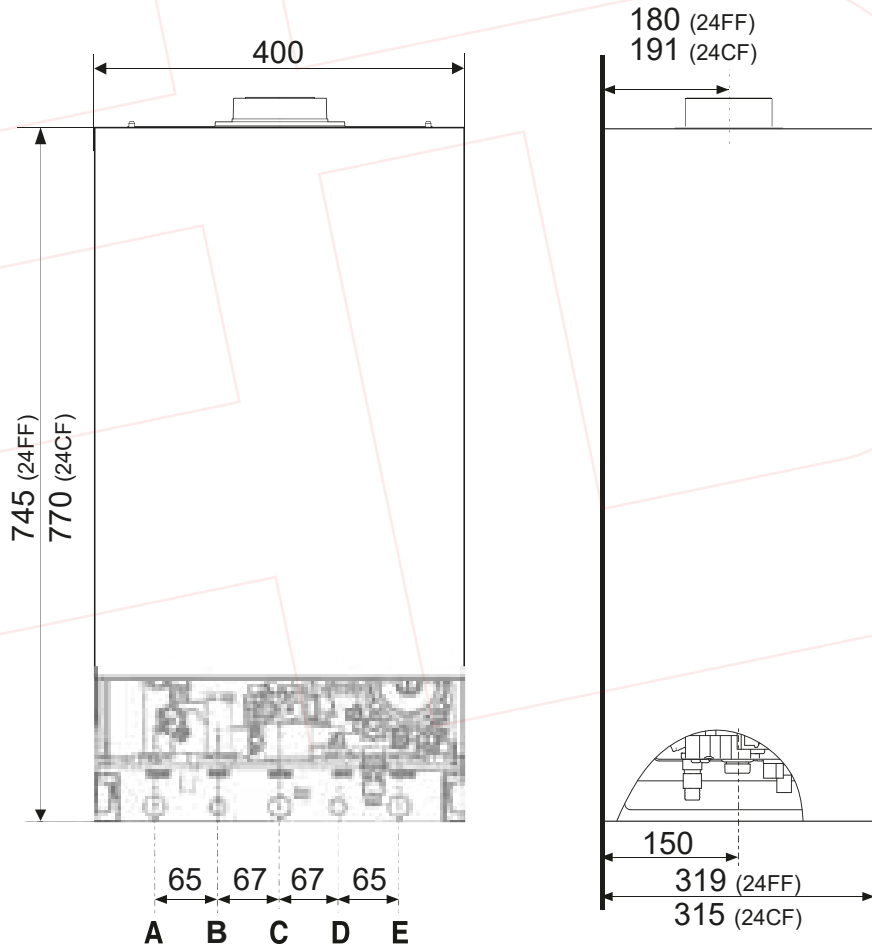
CARES X



Wall-hung compact boiler

- Very high efficiency (up to 93,6%, 24FF)
- LCD display and intuitive menu
- Ariston Netready for
- Best materials available to guarantee high reliability and very long lifecycle
- "Anti-freezing systems preventing freezing and scale accumulation
- The external combustion analysis port allows easy check of combustion quality
- Addition of a thermostatic mixing valve allows the connection with a natural circulation solar water heater
- The boiler is already equipped for the domestic hot water production
- Suitable for heating large spaces
- Connection of on-off thermoregulation accessories allows the heating programming for the whole week
- Boiler protection from water impurities accumulation with the addition of heating return filter

CARES X



LEGEND

- A: Central Heating Flow
- B: Domestic Hot Water Outlet
- C: Gas Inlet
- D: Domestic Cold Water Inlet
- E: Central Heating Return

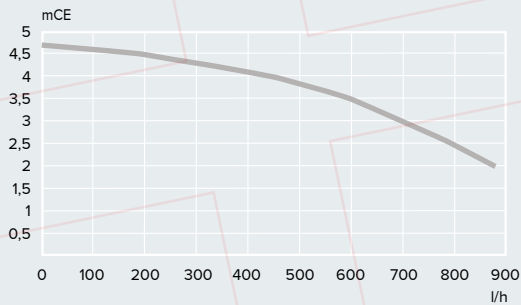
CARES X	18 CF	24 CF
ENERGY SAVING	Up to 13%*	
POWER RANGE	Combi FF 15-18-24 kW CF 15-24 kW	System FF 24 kW CF 24 kW
EFFICIENCY	Up to 93,6%	
CONNECTIVITY		
DISPLAY	Large LCD Display	
SILENCE	-	
COMFORT FUNCTION		
DESIGN	Compact structure, 745 x 400 x 315 mm	Dimensions (H x L x W) Italian design.
INTEGRATION WITH OTHER PRODUCTS	BusBridgeNetR technology ready	



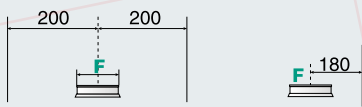
EASY TO USE

EASY
INSTALLATIONEASY
MAINTENANCESYSTEM
MANAGEMENTMADE
IN ITALY

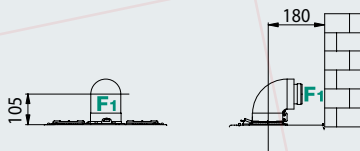
Graph of boiler's residual head



CF Version - Natural draught



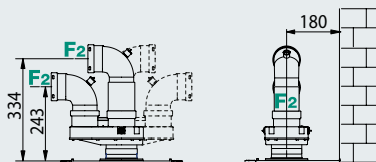
FF Versions - Coaxial exhaust



Max lenght:

Ø60/100: up to 4m (15-18-24 kW)
Ø80/125: up to 11m (15-18-24 kW)

FF Versions - Twin pipe exhaust



Max lenght:

Ø80/80: up to 45m (15-18-24 kW)

TECHNICAL DATA

15 CF 24 CF NG 15 FF 18 FF 24 FF

POWER SPECIFICATIONS

Max/min nominal heat input(Hi)	kW	16,5/11,0	25,8/11,0	15,0/11,0	19,0/11,0	25,8/11,0
Max/min nominal heat input (Hs)	kW	18,3/12,2	28,7/12,2	16,7/12,2	21,1/12,2	28,7/12,2
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0	27,0/11,0	25,8/11,0	25,8/11,0	25,8/11,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2	30,0/12,2	28,7/12,2	28,7/12,2	28,7/12,2
Heat output: max/min	kW	14,9/9,9	23,7/9,9	13,5/9,5	17,8/9,5	24,0/9,5
D.H.W. Heat output: max/min	kW	25,0/10,2	25,0/10,2	23,6/10,0	23,6/10,0	23,6/10,0
Combustion efficiency (of flue gas)	%	90,9	92,7	92,9	93,8	93,7
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	90,2/81,2	91,9/82,8	90,2/81,2	93,6/84,3	93,1/83,8
Gross efficiency at 30 % at 47°C Hi/Hs	%	89,5/80,6	91,2/82,1	89,3/80,4	92,4/83,2	93,3/84,0
Gross efficiency at minimum power Hi/Hs	%	90,2/81,8	90,2/81,2	86,7/78,1	86,7/78,1	86,7/78,1
Number of efficiency stars (Directive 92/42/EEC)	stars					
Ma. heat loss to the casing (ΔT = 50°C)	%	0,7	0,8	2,7	0,2	0,6
Heat loss through the flue when burner on	%	9,1	7,3	7,1	6,2	6,3
Heat loss through the flue when burner off	%	0,4	0,4	0,4	0,4	0,4

EMISSIONS

Residual discharge head	Pa	-	-	120	120	120
Minimum draw	Pa	3,6	4,1	-	-	-
Nox class	class	2	2	3	3	3
Flue fumes temperature (G20)	°C	98	116	115	115	117
CO2 content2 (G20)	%	3,4	5,4	5,5	6,5	6,5
CO content (0 %O2)	ppm	14	54	40	22	60
O2 content2 (G20)	%	14,4	10,8	10,6	8,8	8,8
Max capacity fumes (G20)	kg/h	672	672	56,9	56,9	56,9
Excess air	%	219	105	101	72	72

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature max/min	°C	60/36	60/36	60/36	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with ΔT=30°C) instant boilers	l/min	11,8	11,8	11,2	11,2	11,2
D.H.W. flow rate ΔT=25°C	l/min	14,3	14,3	13,5	13,5	13,5
D.H.W. flow rate ΔT=35°C	l/min	10,2	10,2	9,6	9,6	9,6
Hot water comfort stars (EN13203)	stars					
D.H.W. minimum flow rate	l/min	<2	<2	<2	<2	<2
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50	220/50	220/50	220/50
Power consumption	W	78	78	112	112	112
Minimum operating room temperature	°C	5	5	5	5	5
Electric system grades of protection	IP	X4D	X4D	X5D	X5D	X5D
Weight	kg	26	26	28	28	28

CODE

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