

EDGES
WARMING YOUR STYLISH LIVING



CLASS X



BOILER

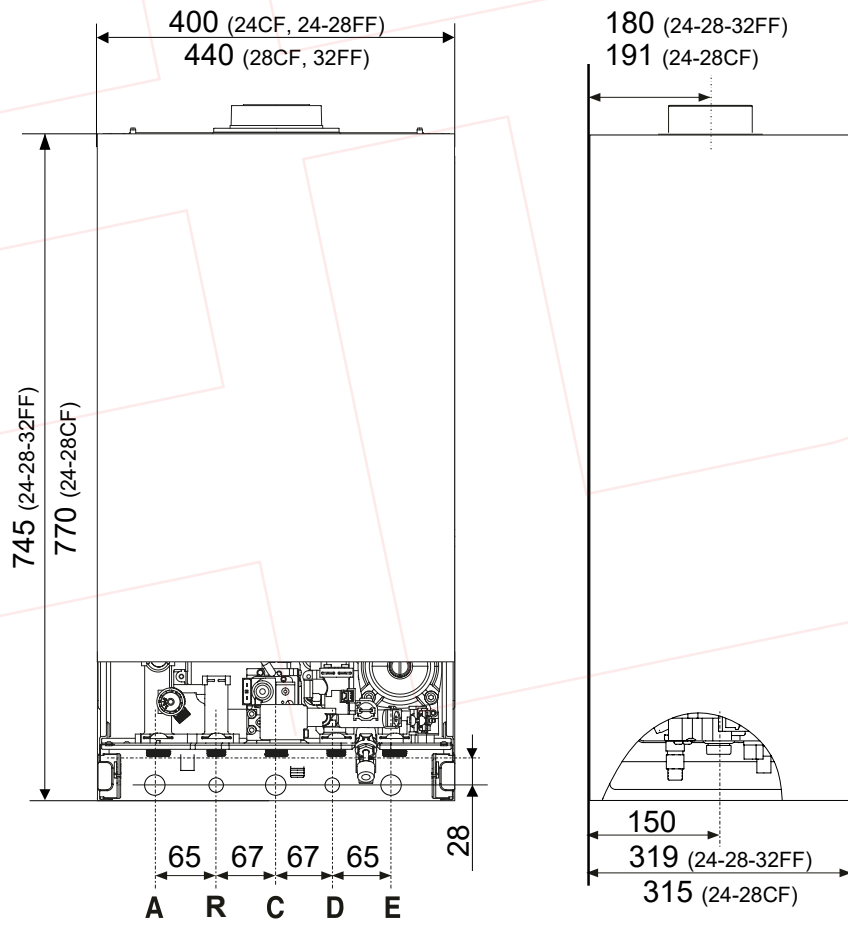
CLASS X



Wall-hung compact boiler, ready to use with external DHW tank



- Very high efficiency (up to 93,6%, 24FF)
- BusBridgeNet® communication protocol
- Ariston Netready for
- Best materials available to guarantee high reliability and very long lifecycle
- “Anti-freezing systems preventing freezing and scale accumulation
- With its IPX5D, the protection, against water jet streams
- Best enjoyable design of its category
- High resolution LCD display with full text, touch interface and intuitive menu
- “AUTO function” constant temperature for the maximum thermic comfort
- The equipment allows the production of domestic hot water with the connection of an external tank
- Boiler protection from water impurities accumulation with the addition of heating return filter

CARES X



LEGEND

- A: Central Heating Flow + Tank Inlet (CLAS X SYSTEM)
- R: Tank return (CLAS X SYSTEM)
- C: Gas Inlet
- D: Domestic Cold Water Inlet
- E: Central Heating Return

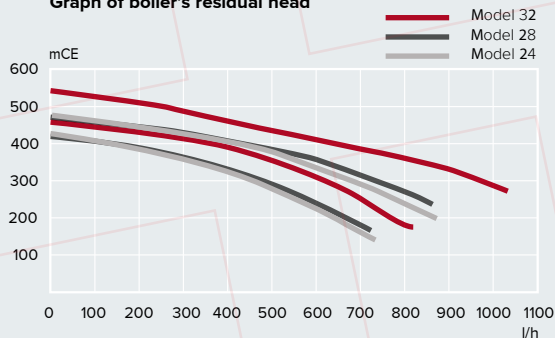
CLASSX	18 CF	24 CF
ENERGY SAVING	Up to 13%*	
POWER RANGE	Combi FF 24-28 kW CF 24 kW	System FF 24-28-32 kW CF 15-24 kW
EFFICIENCY	Up to 93,6%	
CONNECTIVITY		
DISPLAY	Large LCD Display	
SILENCE	-	
COMFORT FUNCTION		
DESIGN	Compact structure, 745 x 400 x 315 mm	Dimensions (H x L x W) Italian design.
INTEGRATION WITH OTHER PRODUCTS	BusBridgeNetR technology ready	Solar System management

ITALIAN
DESIGNAUTO
FUNCTIONCOMFORT
FUNCTION

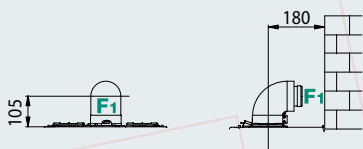
EASY TO USE

EASY
INSTALLATIONEASY
MAINTENANCESYSTEM
MANAGEMENTCOMPACT
SIZE

Graph of boiler's residual head

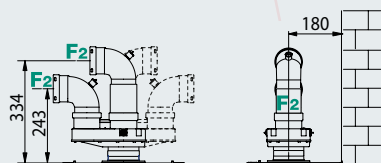


FF Versions - Coaxial exhaust



Ø60/100: up to 4m (24-28 kW) - 2m (32 kW)
 Ø80/125: up to 11m (24-28 kW) - 8 m (32 kW)

FF Versions - Twin pipe exhaust



Ø80/80: up to 45m (24kW) - 50m (28kW) - 33m (32 kW)

TECHNICAL DATA

24 CF 28 CF 24 FF 28 FF 32 FF

POWER SPECIFICATIONS

Max/min nominal heat input(Hi)	kW	25,8/11,0	29,5/13,0	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	32,8/14,4	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0	30,5/13,0	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2	33,9/14,4	28,7/12,2	33,3/14,4	29,6/12,8
Heat output: max/min	kW	23,7/9,9	26,5/11,2	24,0/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kW	25,0/10,2	27,9/11,9	23,6/10,0	27,4/11,9	32,2/14,0
Combustion efficiency (of flue gas)	%	92,7	92,8	93,7	93,8	93,1
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	91,9/82,8	89,9/81,0	93,1/83,8	93,6/84,3	91,1/82,0
Gross efficiency at 30 % at 47°C Hi/Hs	%	91,2/82,1	89,7/80,8	93,3/84,0	93,7/84,4	89,9/80,9
Gross efficiency at minimum power Hi/Hs	%	90,2/81,2	86,5/77,9	86,7/78,1	89,3/80,4	85,0/76,5
Number of efficiency stars (Directive 92/42/EEC)	stars					
Ma. heat loss to the casing (ΔT = 50°C)	%	0,8	2,9	0,6		2
Heat loss through the flue when burner on	%	7,3	7,2	6,3	6,5	6,9
Heat loss through the flue when burner off	%	0,4	0,4	0,4	0,4	0,4

EMISSIONS

Residual discharge head	Pa	-	-	120	145	130
Minimum draw	Pa	41	4,3	-	-	-
Nox class	class	2	2	3	3	3
Flue fumes temperature (G20)	°C	116	125	117	113	125
CO2 content2 (G20)	%	5,4	6,1	6,5	6	6,4
CO content (0 %O2)	ppm	54	44	60	111	141
O2 content2 (G20)	%	10,8	9,5	8,8	9,7	9
Max capacity fumes (G20)	kg/h	67,2	70,2	56,9	71,2	77,2
Excess air	%	105	83	72	86	75

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 (SYSTEM MOD) max/min		60/40	60/40	60/40	60/40	60/40
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ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50	220/50	220/50	220/50
Power consumption	W	78	78	108	131	127
Minimum operating room temperature	°C	5	5	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D	X5D	X5D
Weight	kg	27	28	29	28	31

CODE

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