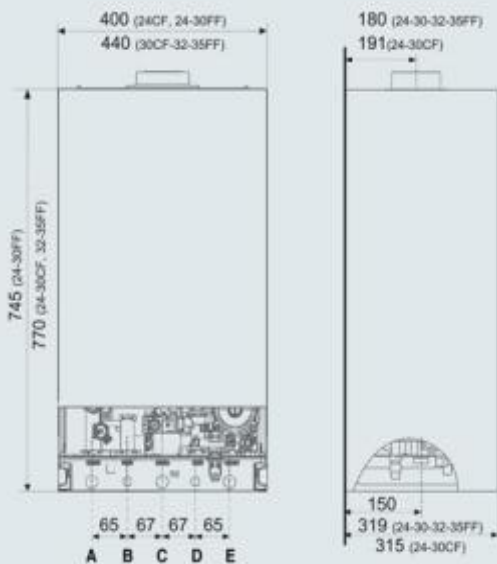


ALTEAS X



Wall-hung compact boiler with AUTO function

- / Very high efficiency (up to 93,6%, 24FF)
- / Ready to be used with renewable sources for hot water production
- / Best enjoyable design of its category
- / High resolution LCD display with full text, touch interface and intuitive menu
- / BusBridgeNet® communication protocol
- / Ariston Net embedded (Wi-Fi gateway on board)
- / Very good acoustic comfort thanks to the new optimized silence
- / "AUTO function", constant temperature for the maximum thermic comfort
- / "Comfort Function", instantaneous hot water, for 30', after first withdrawal, reducing waiting times
- / TIMER PROGRAMMING
- / Best materials available to guarantee high reliability and very long lifecycle
- / Boiler protection from water impurities accumulation
- / Anti-freezing systems preventing freezing and scale accumulation
- / With its IPX5D, the protection, against water jet streams (only FF version)



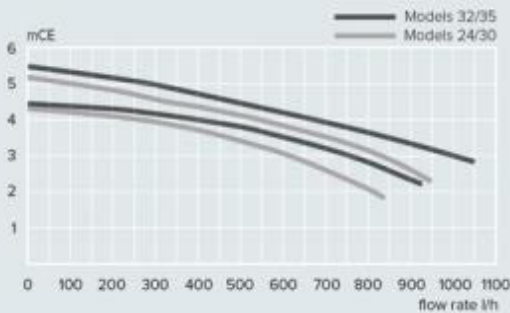
LEGEND

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



ITALIAN
DESIGNAUTO
FUNCTIONCOMFORT
FUNCTIONSMART
MENUEASY
INSTALLATIONEASY
MAINTENANCESYSTEM
MANAGEMENTCOMPACT
SIZE

Graph of boiler's residual head



CF Version - Natural draught



FF Versions - Coaxial exhaust



Ø60/100: up to 4m (24-28 kW) - 2m (32-35 kW)
 Ø80/125: up to 11m (24-28 kW) - 8 m (32 kW) - 7 m (35 kW)

FF Versions - Twin pipe exhaust



Ø80/80: up to 45m (24kW) - 50m (28kW) - 33m (32-35 kW)

TECHNICAL DATA

24 CF 30 CF 24 FF 30 FF 32 FF 35 FF

POWER SPECIFICATIONS

Max/min nominal heat input (H)	kW	25,8/11,0	29,5/13,0	25,8/11,0	30,0/13,0	32,5/15,0	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	36,1/16,7	38,3/16,7
Max/min nominal heat input for hot water (H-H)	kW	27,0/11,0	30,5/13,0	25,8/11,0	30,0/13,0	34,5/15,0	34,5/15,0
Max/min nominal heat input for hot water (H-Hs)	kW	30,0/12,2	33,9/14,4	28,7/12,2	33,3/14,4	38,3/16,7	38,3/16,7
Heat output: max/min	kW	23,7/9,9	26,5/11,2	24,0/9,5	28,1/11,6	29,6/12,8	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	32,2/14,0
Combustion efficiency (of flue gas)	%	92,7	92,8	93,7	93,8	93,1	93,9
Gross efficiency of nominal heat input (50/80 °C) H/Hs	%	91,9/82,8	89,9/81,0	93,1/83,8	93,6/84,3	91,0/82,0	93,6/84,3
Gross efficiency at 30 % at 47°C H/Hs	%	91,2/82,1	89,7/80,8	93,3/84,0	93,7/84,4	89,8/80,9	92,6/83,4
Gross efficiency at minimum power H/Hs	%	90,2/81,2	86,5/77,9	86,7/78,1	93,7/84,4	85,0/76,5	88,2/79,4
Number of efficiency stars (Directive 92/42/EEC)	stars	★★	★★	★★★	★★★★	★★★★	★★★★
Ma. heat loss to the casing (ΔT = 50°C)	%	0,8	2,9	0,6	0,2	2	0,3
Heat loss through the flue when burner on	%	7,3	7,2	6,3	6,2	6,9	6,1
Heat loss through the flue when burner off	%	0,4	0,4	0,4	0,4	0,4	0,4

EMISSIONS

Residual discharge head	Pa	-	-	120	145	130	130
Minimum draw	Pa	4,1	4,3	-	-	-	-
Nox class	class	2	2	3	3	3	3
Flue fumes temperature (G20)	°C	116	125	117	110	125	112
CO ₂ content ₂ (G20)	%	5,4	6,1	6,5	6,1	6,4	6,4
CO content (O %O ₂)	ppm	54	44	60	111	141	159
O ₂ content ₂ (G20)	%	10,8	9,5	8,8	9,5	9	9
Max capacity fumes (G20)	kg/h	67,2	70,2	56,9	71,2	77,2	77,2
Excess air	%	105	83	72	83	75	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)	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)	0,3 (3)
Expansion vessel capacity	l	8	8	8	8	8	8
Central heating temperature: max/min	°C	82/35	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	60/36
Specific flow rate of domestic hot water system (10 min. with ΔT=30°C) instant boilers	l/min	11,8	13,2	11,2	13,2	15,1	15,1
D.H.W. flow rate ΔT=25°C	l/min	14,3	16	13,5	15,7	18,5	18,5
D.H.W. flow rate ΔT=35°C	l/min	10,2	11,4	9,6	11,2	13,2	13,2
Hot water comfort stars (EN13203)	stars	★★	★★	★★	★★	★★	★★
D.H.W. minimum flow rate	l/min	<2	<2	1,7	1,7	1,7	1,7
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)	0,7/0,1 (7/1)

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50	220/50	220/50	220/50	220/50
Power consumption	W	50	50	84	101	101	101
Minimum operating room temperature	°C	5	5	5	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D	X5D	X5D	X5D
Weight	kg	27	28	31	32	30	31

CODE

3300844 3300846 3300845 3300847 3300848 3300849