

**EDGES**  
WARMING YOUR STYLISH LIVING



**ALTEAS X**



**BOILER**

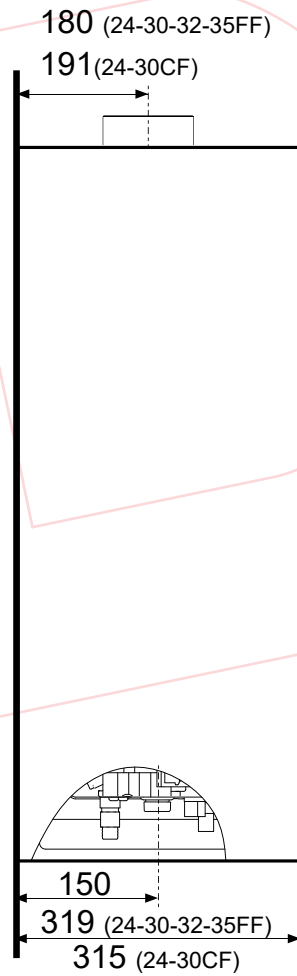
# ALTEAS X



## Wall-hung compact boiler with AUTO function



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

# ALTEAS X



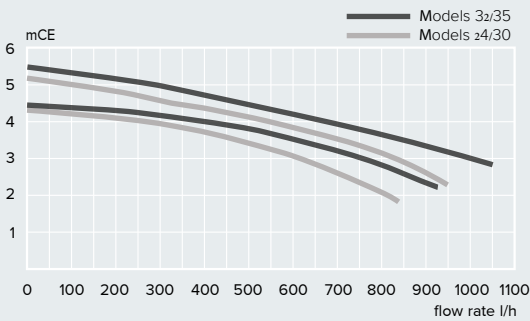
## LEGEND

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

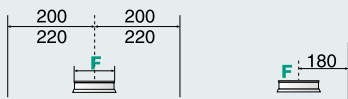
ALTEAS X	24	35
ENERGY SAVING	Up to 15%*	
POWER RANGE	Combi FF 24-30-32-35 kW CF 24-30 kW	
EFFICIENCY	Up to 93,6% & Reduced electrical consumption	
CONNECTIVITY	 WI-Fi embedded	
DISPLAY	Large LCD & Touch screen display	
SILENCE	Modulating pump and insulating panels	
COMFORT FUNCTION		
DESIGN	Glass frontal panel, black Italian design.	color, compact structure, Dimensions (H x L x W) 745 x 400 x 315 mm
INTEGRATION WITH OTHER PRODUCTS	BusBridgeNetR technology ready,	Solar System management



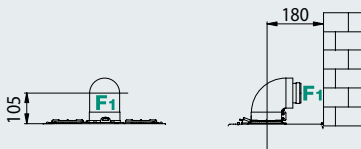
Graph of boiler's residual head



CF Version - natural draught

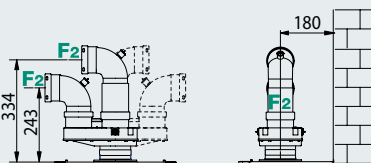


FF Versions - Coaxial exhaust



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(Hi)	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 (Hi)	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 (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 (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	93,6/84,3
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	89,8/80,9	92,6/83,4
Gross efficiency at minimum power Hi/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 (ca20)	°C	116	125	117	110	125	112
Co2 contentz (ca20)	%	5,4	6,1	6,5	6,1	6,4	6,4
Co content (0 %O2)	ppm	54	44	60	111	141	159
O2 contentz (ca20)	%	10,8	9,5	8,8	9,5	9	9
Max capacity fumes (ca20)	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



+2 0110 177 7751

[www.EdgesHeating.com](http://www.EdgesHeating.com)

[Info@solaredges.com](mailto:Info@solaredges.com)

2 Ext 26 July St . Lebnan Sq .

El Hawary Tower , Mohandessin

Giza 12654 - Egypt



@EdgesSolar



@Edges Heating Systems & Solar Energy