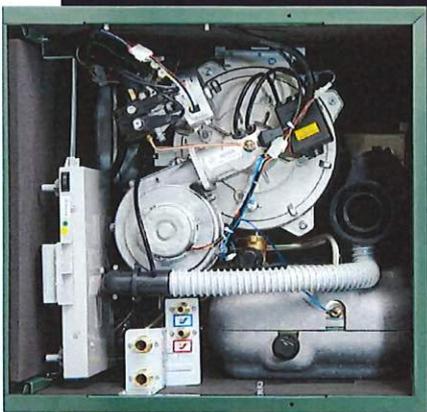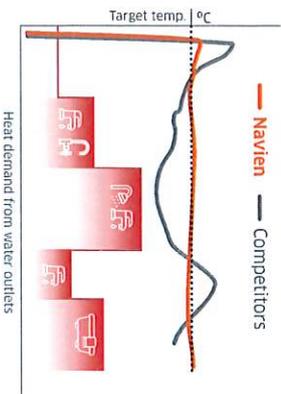# Combi

The LCB700 Blue Flame range benefits from Navien's latest heat exchanger technology, which maximises heat transfer for superb efficiencies. Plus, by utilising high quality stainless steel, the heat exchanger is resistant to surface corrosion, maintaining its performance for the lifetime of the boiler.

- Outputs of 15-21, 22-29 and 29-36kW
- The only boiler with A+ energy rating*
- Class leading NOx emissions
- 10 year guarantee as standard
- Clean and modern design
- Built-in control with easy programming and diagnostics
- Compatible with standard flues

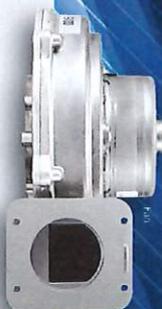## Consistent flow temperatures

Avoid cold showers when someone turns on a tap! Thanks to a built-in Smart Auto Mixing and a Smart Auto Flow Control Valve, the LCB700 Blue Flame delivers consistent flow temperatures across multiple outlets.

Target temp. | °C

— Navien   — Competitors

Heat demand from water outlets

The text driven built-in control unit allows management of hot water temperatures accurate to 1°C (30-60°C). See page 12 for more information.

* An A+ energy rating is achieved when installed with 3 Smart Plus room thermostats.

Navien stainless steel heat exchanger

A+ Energy Rating   KW 21-36 Heat Output   10 Year Warranty   Easy Installation

Internal   External

860mm   600mm   600mm

900mm   673mm   650mm

Technical data

		Internal Model			External Model		
		21	28	36	21	28	36
Heat Output		RS / LS / LC	RS / LS / LC	RS / LS / LC	RSX / LSX / LCX	RSX / LSX / LCX	RSX / LSX / LCX
	80/60°C	16/21kW	21/28kW	29/36kW	16/21kW	21/28kW	29/36kW
	50/30°C	23.0kW	30.3kW	39.0kW	23.0kW	30.3kW	39.0kW
DHW (Combi only)	Maximum Flow Rate (±15%)	14L/min	18L/min	20L/min	14L/min	18L/min	20L/min
	DHW Control Range	30-60°C (Default 50°C)					
	Maximum hot water temperature rise for 90 litres draw off (@max flow rate)	40°C					
Flue	Flue Size	Coaxial Plastic Ø 60/100					
	Max Horizontal Length	20m					
	Max Vertical Length	21m					
Dimensions	Regular/System Model	470 x 600 x 860mm			515 x 673 x 882mm		
	Combi Model	600 x 600 x 860mm			650 x 673 x 900mm		
Weight	Regular	58kg	59kg	62kg	64kg	65kg	68kg
	System	66kg	67kg	70kg	72kg	73kg	76kg
	Combi	91kg	92kg	95kg	98kg	99kg	102kg
ErP Efficiency		ErP A (93%)					
ErP Efficiency with Smart Plus (x3)		ErP A+ (98%)					
EN Regulation (EN13203-1)*		★★★			★★★		
NOx Emission Rate		57.2mg/kWh	57.2mg/kWh	63.2mg/kWh	57.2mg/kWh	62.5mg/kWh	63.2mg/kWh

* An A+ energy rating is achieved when installed with 3 Smart Plus room thermostats.