

# Product Specification

## ECO RF Combi

### Descriptive Specification

- Just 12 components, including 4 moving parts, means less maintenance, lower service costs and greater reliability
- Flow rates up to 13.2 litres per minute at 35°C rise
- Saves money on energy bills as it condenses 100% of the time in both
- heating and hot water modes



SIGNATURE OUTPUT		HRE System 18		HRE System 24		HRE System 30	
		18		24		30	
Type	ECO RF Combi						
Model	Horizontal						
Dimensions	(H) 590 (W) 450 (D) 240		(H) 650 (W) 450 (D) 240		(H) 650 (W) 450 (D) 240		
Safety class	IP44		IP44		IP44		
NoX class	5		5		5		
NoX level	mg/kWh	< 60		< 60		< 60	
<b>Domestic Hot Water</b>							
Input (lower value)	kW	5.6 - 22.1		7.6 - 28.0		7.6 - 32.7	
DHW treshold	l/min	2		2		2	
ΔT 25 °C	l/min	12		15		18	
ΔT 35 °C	l/min	8.5		10.5		13	
DHW temperature (factory setting)	°C	55		55		55	
Max. DHW water pressure	bar	8		8		8	
Min. DHW water pr. inet (boiler)	bar	0.2		0.2		0.2	
<b>Central Heating</b>							
Nom. input rating (lower value)	kW	5.6 - 18.7		7.1 - 23.7		7.6 - 27.0	
Rated power	kW	6.1 - 18.2		7.7 - 23.1		8.2 - 26.6	
Max. CH water pressure	bar	3		3		3	
Max. CH water temperature	°C	90		90		90	
SEDBUK rating		A		A		A	
Harp efficiency	%	90.1		90.1		90.1	
<b>Flues</b>							
Max horizontal	m	10		10		10	
Max vertical	m	10		10		10	
Standard flue dia	mm	60/100		60/100		60/100	
<b>Installation</b>							
Mains cold water inlet	mm	15		15		15	
Domestic hot water outlet	mm	15		15		15	
Gas connection	mm	15		15		15	
Pressure relief valve	mm	15		15		15	
Heating flow and return connections	mm	22		22		22	
Condensate drain (flexible)	mm	25		25		25	
Solar compatible		yes		yes		yes	
<b>Product Fiche Intergas Rapid</b>							
Seasonal space heating en. eff. class		A		A		A	
Heat rated outp. (power) (Prated)	kW	23		28		32	
Seasonal space heating en. eff. (η <sub>S</sub> )	%	93		93		94	
Annual energy consumption (QHE)	GJ	68		85		95	
Sound power level (LWA)	dB	50		50		50	
Maximum load profile		L		XL		XL	
Water heating energy efficiency class		A		A		A	
Water heating energy efficiency (η <sub>WH</sub> )	%	84		87		87	
Annual electricity consumption (AEC)	kWh	14		17		16	
Annual fuel consumption (AFC)	kHh	3173		4975		4952	