

Product Specification

HRE System

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	HRE System							
Model	Horizontal							
Dimensions	(H) 650 (W) 450 (D) 240					(H) 710 (W) 450 (D) 240		
Safety class	IP44		IP44		IP44			
NoX class	5		5		5			
NoX level	mg/kWh		< 60		< 60			
Domestic Hot Water								
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		12		18	
ΔT 35 °C	l/min		8.5		8.5		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	
Central Heating								
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		2.5		2.5		2.5	
Max. CH water temperature	°C		90		90		90	
SEDBUK rating			A		A		A	
Harp efficiency	%		90.1		90.2		90.7	
Flues								
Max horizontal	m		10		10		10	
Max vertical	m		10		10		10	
Standard flue dia	mm		60/100		60/100		60/100	
Installation								
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	
Product Fiche Intergas Rapid								
Seasonal space heating en. eff. class			A		A		A	
Heat rated outp. (power) (Prated)	kW		18		23		27	
Seasonal space heating en. eff. (η _S)	%		93		93		93	
Annual energy consumption (QHE)	GJ		55		69		80	
Sound power level (LWA)	dB		45		45		45	
Maximum load profile			L		XL		XL	
Water heating energy efficiency class			A		A		A	
Water heating energy efficiency (η _{WH})	%		84		87		87	
Annual electricity consumption (AEC)	kWh		14		17		16	
Annual fuel consumption (AFC)	kHh		3173		4975		4952	