

	Enviromax Combi/Combi Pac		Enviromax System/System Pac			Enviromax Kitchen/Heat Pac/Popular Boilerhouse/Utility 20/26/35Kw Only			
BOILER MODEL	C20/26	C35	C20/26	C35	C44	C20/26	C35	C44/58	C73
Max Heat Output Kw	20/26	35	20/26	35	44	20/26	35	44/58	73
Btu/h ('000)	68/89	119	68/89	119	150	68/89	119	150/198	249
CONNECTIONS									
Heating Flow	22mm	28mm*	22mm	28mm*	1½" BSP.	1" BSP.	1" BSP.	1½" BSP.	1½" BSP.
Heating Return	22mm	28mm*	1" BSP.	1" BSP.	1½" BSP.	1" BSP.	1" BSP.	1½" BSP.	1½" BSP.
Mains Cold Feed (Copper)	15mm	15mm	15mm	15mm	15mm				
Hot Water Delivery (Copper)	15mm	15mm							
Drain Off Cock	½" BSP.	½" BSP.	½" BSP.	½" BSP.	½" BSP.	½" BSP.	½" BSP.	½" BSP.	½" BSP.
Safety Pressure Relief value outlet (Copper)	15mm	15mm	15mm	15mm	15mm				
Condense Drain Off Connection (White Cased)	¾" BSP. Female		¾" BSP. Female			¾" BSP. Female			
Condense Drain Off Connect. (H/Pac Pop B.H.)	22mm PLASTIC		22mm PLASTIC			22mm PLASTIC			
Circulating Pump (Grundfos)	25/60	25/60	25/60	25/60	25/80				
Domestic Hot Water Plate Heat Exchanger	25 plate	31 plate							
Integral Expansion Vessel Normal Capacity	12 litres	14 litres	12 litres	14 litres	18 litres				
pre-charged to:	1 bar	1 bar	1 bar	1 bar	1 bar				
Low Pressure Water Switch?	✓	✓	✓	✓	✓	X	X	X	X
Filling Loop Included?	✓	✓	✓	✓	✓	X	X	X	X
Condense Pump Included?	X	X	X	X	X	✓ All white cased models except Utility			
WATER CONTENT									
Water Content Boiler	24	24	24	24	45	24	24	43.5	54
Water Content Primary Tank (litres)	40	40							
D.H.W. GUIDE PERFORMANCE									
120 litres at 40°Δt. litres per minute	C20/26	C35							
	14/16	20							
FLUE (Indoor Boilers)									
	Concentric Flue		Concentric Flue			Concentric Flue			
Balanced Flue Assembly (mm)	125 (5")	125 (5")	125 (5")	125 (5")	155 (6")	125 (5")	125 (5")	155 (6")	170 (7")
Conventional Flue Assembly (mm)	130 id.	130 id.	130 id.	130 id.	155 id.	130 id.	130 id.	155 id.	170 id.
Flue Draught Req'd. (Min WG.)	0.040"	0.040"	0.040"	0.040"	0.040"	0.040"	0.040"	0.040"	0.040"
Conventional Flue (Min WG.)	0.15"	0.15"	0.15"	0.15"	0.15"	0.15"	0.15"	0.15"	0.15"
Max. Low Level Flue Length (metres)	3	3	3	3	3	3	3	3	3
Max. High Level Flue Length (metres)	6	6	6	6	6	6	6	6	4
Max. Vertical Level Flue Length (metres)	6	6	6	6	6	6	6	6	4
TEMPERATURE CONTROL									
Boiler Central Heating Control	60°C - 80°C + -3°C		60°C - 80°C + -3°C			60°C - 80°C + -3°C			
Boiler Safety Limit	110°C + -3°C		110°C + -3°C			110°C + -3°C			
Tank (DHW) - Fixed	78°C + -3°C								
Early Alert - Fixed	87°C + -3°C								
Over-run - Fixed	93°C + -3°C		87°C + -3°C			87°C + -3°C (Heat Pac & Kitchen only)			
BOILER SAFETY LIMIT, FROST AND OVER-RUN THERMOSTATS FITTED ON ALL HEAT PAC MODELS									
HEATING SYSTEM (SEALED) Fit in accordance with BS 7074 Part 1, BS 5449, OFTEC Standards etc.									
Max. Operating Pressure	2.5 Bar		2.5 Bar						
Max. System Pressure cold	1.5 Bar		1.5 Bar						
Min. System Pressure cold	0.5 Bar + 0.3 Bar		0.5 Bar + 0.3 Bar						
Boiler Test Pressure	4.5 Bar		4.5 Bar			4.5 Bar			
Preset Pressure Relief Valve	3 Bar		3 Bar			3 Bar			
MAINS WATER SUPPLY PRESSURE									
Limescale excess: When over 150/200 ppm. fit appropriate scale reducer	Max. 10 Bar max. (Fit pressure reducing valve as necessary)								
	Min. For user comfort reduce pressure at tap to between 1 and 5 Bar.								
WATERSIDE RESISTANCE									
	Flow rate to give a nominal output at 10K differential					Flow rate measured (Kg h ⁻¹)		2874.24	
						Waterside Resistance (mbar)		0.18	
	Flow rate to give a nominal output at 20K differential					Flow rate measured (Kg h ⁻¹)		1522.92	
						Waterside Resistance (mbar)		0.19	
Pressure Jet Oil Burners: RIELLO RDB 2.2 up to C35 & RIELLO RDB 4.2 up to C58 - C73 Fuel: C2 Kerosene Elec. Supply: 230v. AC 50Hz to be fused at 5amp.									

*22m x 28mm reducer to be fitted to 22mm boiler flow connection (item not supplied with boiler)