

Technical specification

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| | ecoTEC exclusive combi | | ecoTEC plus storage combi | ecoTEC plus combi | | | |
|--|------------------------|-----------------|---------------------------|-------------------|-----------------|-----------------|-----------------|
| | 832 | 838 | 937 | 824 | 831 | 837 | |
| Flue Type | RSF | RSF | RSF | RSF | RSF | RSF | |
| Maximum DHW heat output | kW | 31.4 | 37.2 | 37.0 | 23.0 | 31.0 | 37.0 |
| | (Btu/h) | 107,200 | 127,000 | 126,000 | 78,500 | 105,800 | 126,000 |
| DHW flow rate @ 35°C | | 12.9 | 15.2 | 15.2* | 9.4 | 12.7 | 15.2 |
| Mains water pressure required for max. flow rate | bar | 0.5 | 0.5 | 1.3 | 0.5 | 0.75 | 0.75 |
| CH heat output range (80°C flow/60°C return) | kW | 10.2 - 27.0 | 11.2 - 30.0 | 12.0 - 28.0 | 6.7 - 19.0 | 8.7 - 24.0 | 12.0 - 28.0 |
| | (Btu/h) | 34,800 - 92,124 | 38,200 - 102,400 | 40,900 - 95,500 | 22,800 - 64,800 | 29,700 - 81,800 | 40,900 - 95,500 |
| Heating flow / return | mm | 22 | 22 | 22 | 22 | 22 | 22 |
| Cold water inlet | mm | 15 | 15 | 15 | 15 | 15 | 15 |
| DHW outlet | mm | 15 | 15 | 15 | 15 | 15 | 15 |
| Gas inlet | mm | 15 | 15 | 22 | 15 | 15 | 22 |
| Pressure relief valve discharge pipework | mm | 15 | 15 | 15 | 15 | 15 | 15 |
| Condensate drain (internal diameter min.) | mm | 19 | 19 | 19 | 19 | 19 | 19 |
| Electrical connection | V/Hz | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 |
| External case height | mm | 800 | 800 | 720 | 720 | 720 | 720 |
| External case width | mm | 480 | 480 | 440 | 440 | 440 | 440 |
| External case depth | mm | 450 | 450 | 597 | 335 | 335 | 403 |
| Top clearance (100mm flue/125mm flue) | mm | 165/246 | 165/246 | 165/275 | 165/275 | 165/275 | 165/275 |
| Side clearance | mm | 5 | 5 | 5 | 5 | 5 | 5 |
| Bottom clearance | mm | 145 | 145 | 180 | 180 | 180 | 180 |
| Weight approx. | kg | 44 | 46 | 55 | 36 | 38.3 | 42.6 |
| LPG model available | | Conversion kit | Conversion kit | Conversion kit | Conversion kit | Yes | Conversion kit |
| SEDBUK | Band | A | A | A | A | A | A |
| NoX level | mg/kWhr- | 34.71 | 53.07 | 44.13 | 32.84 | 39.63 | 44.13 |
| NoX Class | | 5 | 5 | 5 | 5 | 5 | 5 |

*Water stored at up to 65°C. Flow rates of approx 20l/min when blended.

| ecoTEC plus system | | | | | | ecoTEC plus open vent | | | | ecoTEC pro combi | |
|--------------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------------|-----------------|-----------------|------------------|------------------|-----------------|
| 612 | 615 | 618 | 624 | 630 | 637 | 415 | 418 | 428 | 438 | 24 | 28 |
| RSF | RSF | RSF | RSF | RSF | RSF | RSF | RSF | RSF | RSF | RSF | RSF |
| - | - | - | - | - | - | - | - | - | - | 23.0 | 28.0 |
| - | - | - | - | - | - | - | - | - | - | 78,500 | 95,500 |
| - | - | - | - | - | - | - | - | - | - | 9.4 | 11.5 |
| - | - | - | - | - | - | - | - | - | - | 0.5 | 0.5 |
| 4.9 - 12.0 | 4.9 - 15.0 | 6.7 - 18.0 | 8.7 - 24.0 | 10.0 - 30.0 | 12.0 - 37.0 | 5.0 - 15.3 | 5.0 - 18.3 | 5.3 - 28.2 | 6.3 - 38.0 | 6.7 - 19.0 | 9.0 - 24.0 |
| 16,700 - 41,000 | 16,700 - 51,100 | 22,800 - 61,400 | 29,700 - 81,800 | 34,100 - 102,400 | 40,900 - 126,000 | 17,100 - 52,200 | 17,100 - 62,200 | 18,100 - 96,200 | 21,500 - 129,600 | 22,800 - 64,800 | 30,700 - 81,800 |
| 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| - | - | - | - | - | - | - | - | - | - | 15 | 15 |
| - | - | - | - | - | - | - | - | - | - | 15 | 15 |
| 15 | 15 | 15 | 15 | 15 | 22 | 15 | 15 | 15 | 15 | 15 | 15 |
| 15 | 15 | 15 | 15 | 15 | 15 | - | - | - | - | 15 | 15 |
| 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 |
| 720 | 720 | 720 | 720 | 720 | 720 | 600 | 600 | 600 | 600 | 720 | 720 |
| 440 | 440 | 440 | 440 | 440 | 440 | 375 | 375 | 375 | 375 | 440 | 440 |
| 335 | 335 | 335 | 335 | 369 | 403 | 340 | 340 | 340 | 340 | 335 | 335 |
| 165/275 | 165/275 | 165/275 | 165/275 | 165/275 | 165/275 | 200/275 | 200/275 | 200/275 | 200/275 | 165/275 | 165/275 |
| 5 | 5 | 5 | 5 | 5 | 5 | 20 | 20 | 20 | 20 | 5 | 5 |
| 180 | 180 | 180 | 180 | 180 | 180 | 200 | 200 | 200 | 200 | 180 | 180 |
| 34.8 | 34.8 | 34.8 | 36.3 | 37.8 | 40.2 | 31 | 31 | 33 | 33 | 35 | 37.5 |
| Conversion kit | Conversion kit | Yes | Conversion kit | Yes | Conversion kit | * | * | * | Yes | Conversion kit | Conversion kit |
| A | A | A | A | A | A | A | A | A | A | A | A |
| 30.14 | 32.17 | 32.84 | 39.63 | 33.65 | 44.13 | 37.4 | 40.6 | 27.3 | 13.4 | 32.84 | 39.63 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Expansion vessel capacity (L) 10 (combination and system boilers only)

Note capacity of expansion vessel is dependent on heating system water content. Refer to installation instructions.

*Conversion instructions supplied with boiler.