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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 01.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C330 - ECO280 | | **REF.** | 100002414 | | **NOMINAL OUTPUT @ 50/30°C** | 279 kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.0% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 104.8% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 109.0% | | **WATER FLOW RATE @ ΔT = 20K** | 11.3 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 464W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 56 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 51/261 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 113mbar | | **GAS FLOW – NAT. GAS** | 28.1 m3/hr | | **FLUE GAS MASS FLOW RATE** | 448 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 41°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 49 L | | **MIN. WATER FLOW** | 3.4 | | **FLOOR AREA** | 1.31 m2 | | **NET WEIGHT** | 364kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 20 to 100%. | | **Note 5.** | Boiler to be provided with castors for easy installation in boiler room. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 16.05.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C330- ECO350 | | **REF.** | 100002422 | | **NOMINAL OUTPUT @ 50/30°C** | 350 kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.1% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 105.2% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 109% | | **WATER FLOW RATE @ ΔT = 20K** | 14.2 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 479W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 71 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 65-327 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 110mbar | | **GAS FLOW – NAT. GAS** | 35.2 m3/hr | | **FLUE GAS MASS FLOW RATE** | 560 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 120Pa | | **WATER CONTENT** | 60 L | | **MIN. WATER FLOW** | none | | **FLOOR AREA** | 1.31 m2 | | **NET WEIGHT** | 398kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 20 to 100%. | | **Note 5.** | Boiler to be provided with castors for easy installation in boiler room. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 01.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C330- ECO430 | | **REF.** | 100019551 | | **NOMINAL OUTPUT @ 50/30°C** | 425kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.2% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 105.6% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.6% | | **WATER FLOW RATE @ ΔT = 20K** | 17 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 493W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 84 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 79/395 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 120mbar | | **GAS FLOW – NAT. GAS** | 42.5 m3/hr | | **FLUE GAS MASS FLOW RATE** | 676kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 71 L | | **MIN. WATER FLOW** | 5.1m3/h | | **FLOOR AREA** | 1.31 m2 | | **NET WEIGHT** | 433kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 20 to 100%. | | **Note 5.** | Boiler to be provided with castors for easy installation in boiler room. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 01.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C330- ECO500 | | **REF.** | 100019551 | | **NOMINAL OUTPUT @ 50/30°C** | 497kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.3% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 106.0% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.3% | | **WATER FLOW RATE @ ΔT = 20K** | 19.9 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 508W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 98kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 92/461kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 110mbar | | **GAS FLOW – NAT. GAS** | 49.6 m3/hr | | **FLUE GAS MASS FLOW RATE** | 789kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 150Pa | | **WATER CONTENT** | 82 L | | **MIN. WATER FLOW** | 5.9m3/h | | **FLOOR AREA** | 1.52 m2 | | **NET WEIGHT** | 495kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 20 to 100%. | | **Note 5.** | Boiler to be provided with castors for easy installation in boiler room. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 01.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C330- ECO570 | | **REF.** | 10009553 | | **NOMINAL OUTPUT @ 50/30°C** | 574kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.4% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 106.4% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 107.9% | | **WATER FLOW RATE @ ΔT = 20K** | 22.7 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 522W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 113kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 106/530kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 125mbar | | **GAS FLOW – NAT. GAS** | 57.0m3/hr | | **FLUE GAS MASS FLOW RATE** | 907kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 150Pa | | **WATER CONTENT** | 93L | | **MIN. WATER FLOW** | 6.8m3/h | | **FLOOR AREA** | 1.53m2 | | **NET WEIGHT** | 531kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 20 to 100%. | | **Note 5.** | Boiler to be provided with castors for easy installation in boiler room. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 01.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C330- ECO650 | | **REF.** | 100019555 | | **NOMINAL OUTPUT @ 50/30°C** | 651W | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.5% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 106.8% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 107.6% | | **WATER FLOW RATE @ ΔT = 20K** | 25.9m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 537W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 127kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 119/601kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 130mbar | | **GAS FLOW – NAT. GAS** | 64.6m3/hr | | **FLUE GAS MASS FLOW RATE** | 1026kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 150Pa | | **WATER CONTENT** | 104L | | **MIN. WATER FLOW** | 7.8M3/h | | **FLOOR AREA** | 1.53m2 | | **NET WEIGHT** | 568kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 20 to 100%. | | **Note 5.** | Boiler to be provided with castors for easy installation in boiler room. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 06.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C630- ECO560 | | **REF.** | 100002438 | | **NOMINAL OUTPUT @ 50/30°C** | 558kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.0% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 104.8% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 109.0% | | **WATER FLOW RATE @ ΔT = 20K** | 22.5 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 928W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 74 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 69-522 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 113mbar | | **GAS FLOW – NAT. GAS** | 56.2 m3/hr | | **FLUE GAS MASS FLOW RATE** | 896kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 98 L | | **MIN. WATER FLOW** | None | | **FLOOR AREA** | 2.68m2 | | **NET WEIGHT** | 707kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 15 to 100%. | | **Note 5.** | Boiler to be delivered in 2 units fully assembled and tested in factory. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 06.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C630- ECO700 | | **REF.** | 100002438 | | **NOMINAL OUTPUT @ 50/30°C** | 700kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.1% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 105.2% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 109.0% | | **WATER FLOW RATE @ ΔT = 20K** | 28.9 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 1120W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 94 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 87/654 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 108mbar | | **GAS FLOW – NAT. GAS** | 70.5 m3/hr | | **FLUE GAS MASS FLOW RATE** | 1120 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 42°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 120 L | | **MIN. WATER FLOW** | None | | **FLOOR AREA** | 2.468m2 | | **NET WEIGHT** | 771kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 15 to 100%. | | **Note 5.** | Boiler to be delivered in 2 units fully assembled and tested in factory. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 06.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C630- ECO860 | | **REF.** | 100002438 | | **NOMINAL OUTPUT @ 50/30°C** | 850kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.2% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 105.6% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.6% | | **WATER FLOW RATE @ ΔT = 20K** | 34.1 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 986W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 131 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 123-790 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 120mbar | | **GAS FLOW – NAT. GAS** | 85 m3/hr | | **FLUE GAS MASS FLOW RATE** | 1352 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 142 L | | **MIN. WATER FLOW** | 10.2m3/h | | **FLOOR AREA** | 2.68 m2 | | **NET WEIGHT** | 837kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 15 to 100%. | | **Note 5.** | Boiler to be delivered in 2 units fully assembled and tested in factory. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 06.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C630- ECO1000 | | **REF.** | 100002438 | | **NOMINAL OUTPUT @ 50/30°C** | 994kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.3% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 106.0% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.3% | | **WATER FLOW RATE @ ΔT = 20K** | 39.7 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 1016W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 130 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 122-922kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 110mbar | | **GAS FLOW – NAT. GAS** | 114 m3/hr | | **FLUE GAS MASS FLOW RATE** | 1578 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 164L | | **MIN. WATER FLOW** | 3.13m3/hr | | **FLOOR AREA** | 3.13 m2 | | **NET WEIGHT** | 957kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 15 to 100%. | | **Note 5.** | Boiler to be delivered in 2 units fully assembled and tested in factory. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 06.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C630- ECO1140 | | **REF.** | 100002438 | | **NOMINAL OUTPUT @ 50/30°C** | 1148kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.4% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 106.4% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 109.5% | | **WATER FLOW RATE @ ΔT = 20K** | 45.4 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 1380W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 156 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 148-1062kWkW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 123mbar | | **GAS FLOW – NAT. GAS** | 114 m3/hr | | **FLUE GAS MASS FLOW RATE** | 1814 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 45°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 186L | | **MIN. WATER FLOW** | None | | **FLOOR AREA** | 2.8 m2 | | **NET WEIGHT** | 1125kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 15 to 100%. | | **Note 5.** | Boiler to be delivered in 2 units fully assembled and tested in factory. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |

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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 06.03.13 | **Equipment:** BOILERS **Supplier:** HEVAC Ltd. | |
| **General Description of Equipment offered for SPECIFICATION /Approval:**   * BOILER SPECIFICATION | | |
| **Drawing: Dims. as per drawing below.** | | **Drawing Ref: N/A** |
| **DOCUMENTATION ISSUED:**   |  |  | | --- | --- | | **SPECIFICATION** | **DEDIETRICH FLOOR STANDING GAS CONDENSING BOILER  – Nat. Gas** | | **TYPE** | C630- ECO1300 | | **REF.** | 100002438 | | **NOMINAL OUTPUT @ 50/30°C** | 1303 | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 98.5% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 106.8% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 107.8% | | **WATER FLOW RATE @ ΔT = 20K** | 51.8 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 1074W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 165kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 158/1202kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 130mbar | | **GAS FLOW – NAT. GAS** | 129.2m3/hr | | **FLUE GAS MASS FLOW RATE** | 2025kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 80°C | | **FLUE GAS PRESSURE AVAILABLE** | 150Pa | | **WATER CONTENT** | 208L | | **MIN. WATER FLOW** | 15.6 | | **FLOOR AREA** | 3.13m2 | | **NET WEIGHT** | 1095kg | | **Note 1.** | Boiler to be floor standing gas condensing , double body | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be Low pollutant emissions; NOx < 60 mg/kWh, CO < 20mg/kWh | | **Note 4.** | Burner to be premixing modulating from 15 to 100%. | | **Note 5.** | Boiler to be delivered in 2 units fully assembled and tested in factory. | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |