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| **BOILER SPECIFICATION** | | |
| **Ref:** TS 001 Issue Date: 20.08.10 | **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 – Propane/ Nat. Gas** | | **TYPE** | C230 ECO 85 | | **REF.** | 100010393 | | **NOMINAL OUTPUT @ 50/30°C** | 18-93kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 97.4% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 104.3% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 107.9% | | **WATER FLOW RATE @ ΔT = 20K** | 3.73 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 230W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 18 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 16/87 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 165mbar | | **GAS FLOW – NAT. GAS** | 1.8 – 9.4 m3/hr | | **GAS FLOW – PROPANE** | 1.94 – 6.91 kg/h | | **FLUE GAS MASS FLOW RATE** | 27.2 – 149.7 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 43°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 12 L | | **MIN. WATER FLOW (OPERATION > 75°C)** | 1.12m3/h | | **FLOOR AREA** | <0.54 m2 | | **NET WEIGHT** | 115kg | | **Note 1.** | Boiler to be floor standing gas condensing | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be fitted & tested in factory | | **Note 4.** | Heat Exchanger to be cast aluminium/silicum sections | | **Note 5.** | Burner to be of premixing type modulation from 20 to 100% | | **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: 20.08.10 | **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 – Propane/ Nat. Gas** | | **TYPE** | C230- ECO 130 | | **REF.** | 100010393 | | **NOMINAL OUTPUT @ 50/30°C** | 129W | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 97.5% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 104.7% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.1% | | **WATER FLOW RATE @ ΔT = 20K** | 5.16 m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 257W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 24 kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 22/120 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 135mbar | | **GAS FLOW – NAT. GAS** | 2.4-13.0 m3/hr | | **GAS FLOW – PROPANE** | 1.94-9.56 kg/h | | **FLUE GAS MASS FLOW RATE** | 36.7-206.9 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 43°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 16L | | **MIN. WATER FLOW (OPERATION > 75°C)** | 1.49m3/h | | **FLOOR AREA** | <0.54 m2 | | **NET WEIGHT** | 135kg | | **Note 1.** | Boiler to be floor standing gas condensing | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be fitted & tested in factory | | **Note 4.** | Heat Exchanger to be cast aluminium/silicum sections | | **Note 5.** | Burner to be of premixing type modulation from 20 to 100% | | **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: 20.10.13 | **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 – Propane/ Nat. Gas** | | **TYPE** | C230 ECO 170 | | **REF.** | 100010393 | | **NOMINAL OUTPUT @ 50/30°C** | 179kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 97.5% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 105.2% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.3% | | **WATER FLOW RATE @ ΔT = 20K** | 7.14m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 276W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 33kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 29/166 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 170mbar | | **GAS FLOW – NAT. GAS** | 3.3 – 18 m3/hr | | **GAS FLOW – PROPANE** | 3.42 – 13.21 kg/h | | **FLUE GAS MASS FLOW RATE** | 49.5 – 286 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 43°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 20 L | | **MIN. WATER FLOW (OPERATION > 75°C)** | 2.14m3/h | | **FLOOR AREA** | <0.54 m2 | | **NET WEIGHT** | 165kg | | **Note 1.** | Boiler to be floor standing gas condensing | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be fitted & tested in factory | | **Note 4.** | Heat Exchanger to be cast aluminium/silicum sections | | **Note 5.** | Burner to be of premixing type modulation from 20 to 100% | | **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: 15.01.14 | **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 – Propane/ Nat. Gas** | | **TYPE** | C230 ECO 210 | | **REF.** | 100010393 | | **NOMINAL OUTPUT @ 50/30°C** | 217kW | | **EFFECIENCY @ 100% @ AVG TEMP 70°C** | 97.6% | | **EFFECIENCY @ 100% @ RTN TEMP 30°C** | 105.7% | | **EFFECIENCY @ 30% @ RTN TEMP 30°C** | 108.4% | | **WATER FLOW RATE @ ΔT = 20K** | 8.17m3/h | | **STANDBY LOSSES @ ΔT = 30K** | 288W | | **% LOSSES THROUGH WALLS** | 75% | | **MIN. NOMINAL OUTPUT @ 50/30°C** | 44kW | | **MIN. /MAX NOMINAL OUTPUT @ 80/60°C** | 39-200 kW | | **WATER RESISTANCE @ ΔT = 20K AT 80/60°C** | 180mbar | | **GAS FLOW – NAT. GAS** | 4.3-21.7m3/hr | | **GAS FLOW – PROPANE** | 3.19-15.93 kg/h | | **FLUE GAS MASS FLOW RATE** | 65.5-344.9 kg/h | | **MAX FLUE GAS TEMP. @ 40/30°C** | 43°C | | **FLUE GAS PRESSURE AVAILABLE** | 130Pa | | **WATER CONTENT** | 24 L | | **MIN. WATER FLOW (OPERATION > 75°C)** | 2.59m3/h | | **FLOOR AREA** | <0.54 m2 | | **NET WEIGHT** | 188kg | | **Note 1.** | Boiler to be floor standing gas condensing | | **Note 2.** | Boiler annual efficiency of up to 109% | | **Note 3.** | Boiler to be fitted & tested in factory | | **Note 4.** | Heat Exchanger to be cast aluminium/silicum sections | | **Note 5.** | Burner to be of premixing type modulation from 20 to 100% | | **Note 7.** | Manufacturer to be DeDietrich as supplied by Hevac Ltd., Muirfield Drive,  Naas Rd., Dublin 12. Tel. 01 – 419 1919 . | |  | | | | |