



# EC - EC HC

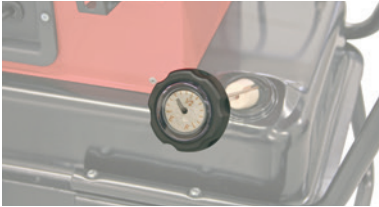
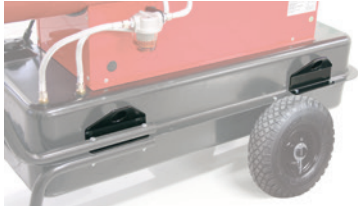
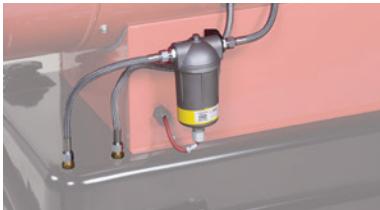
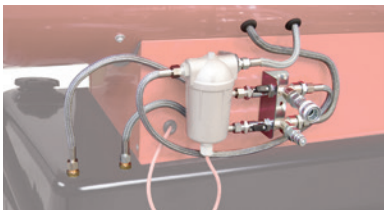
DIRECT-FIRED PORTABLE HEATERS

## EC - EC HC: INDIRECT-FIRED PORTABLE HEATERS

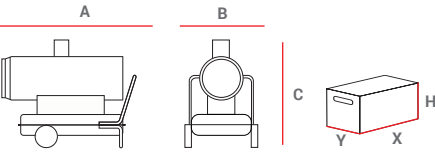
- CSA approved for construction US-C
- Built-in oil burner with Danfoss gear pump
- No supervision required: can be controlled by thermostat, humidistat or timer
- 1ft power cord
- AISI 430 stainless steel combustion chamber with four-pass heat exchanger technology (EC 200 - EC 300)
- Automatic post ventilation cycle to cool down the combustion chamber
- Electronic flame control unit
- Overheating thermostat (safety device: turn off unit and requires manual reset)
- Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Steel fuel tank also available with one size upgraded tank (HC version)
- Bayonet-type fuel tank cap
- Fuel tank drain plug
- Electric control panel
- Oil filter; pre-heated oil filter (EC 200 - EC 300)
- Combustion air pressure switch (safety device: turns off unit and require manual reset)
- 10" pneumatic wheels
- Single fuel line kit: allows to recirculate hot oil from the return line back into the pre-heated filter to maintain oil warmer in the filter and favorite cold starts and better burning performance in extreme cold temperature



ACCESSORIES ON DEMAND

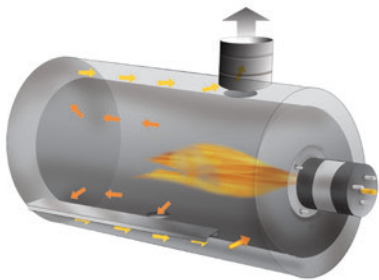
| HEAVY DUTY THERMOSTAT (20/140°F)<br>30 ft CABLE, 90° PLUG                           | FUEL LEVEL GAUGE                                                                     | LIFTING BRACKETS (4 PIECES)                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |
| Cod. 02AC582                                                                        | Mod. EC 100<br>Cod. 02AC507                                                          | Cod. 02AC511                                                                          |
|                                                                                     | Mod. EC 100 HC - EC 200 - EC 200 HC - EC 300<br>Cod. 02AC508                         |                                                                                       |
|                                                                                     | Mod. EC 300 HC<br>Cod. 02AC510                                                       |                                                                                       |
| PRE-HEATED OIL FILTER                                                               | EXTERNAL FUEL TANK CONNECTION KIT                                                    | EXTERNAL FUEL TANK CONNECTION KIT                                                     |
|   |   |   |
| Cod. 02AC513                                                                        | Mod. Single pipe with de-aerator<br>Cod. 02AC632                                     | Mod. Double pipe<br>Cod. 02AC512                                                      |
| SINGLE FUEL LINE KIT                                                                | ONE-WAY DUCT ADAPTER                                                                 | TWO-WAY DUCT ADAPTER                                                                  |
|  |  |  |
| Cod. 02AC597                                                                        | Mod. EC 100 - 12"<br>Cod. 02AC501                                                    | Mod. EC 200 - 12"+12"<br>Cod. 02AC546                                                 |
|                                                                                     | Mod. EC 200 - 14"<br>Cod. 02AC502                                                    | Mod. EC 300 - 12"+12"<br>Cod. 02AC505                                                 |
|                                                                                     | Mod. EC 300 - 16"<br>Cod. 02AC503                                                    |                                                                                       |
| FLEXIBLE AIR DUCT 20 ft LONG                                                        | AIR INLET DUCT ADAPTER                                                               | AIR INLET FLEXIBLE DUCT<br>20 ft LONG                                                 |
|  |  |  |
| Mod. EC 100 - 12"<br>Cod. 02AC562                                                   | Mod. EC 200 - 14"<br>Cod. 02AC628                                                    | Mod. EC 200 - 14"<br>Cod. 02AC643                                                     |
| Mod. EC 200 - 14"<br>Cod. 02AC563                                                   |                                                                                      | Mod. EC 300 - 20"<br>Cod. 02AC795                                                     |
| Mod. EC 300 - 16"<br>Cod. 02AC564                                                   | Mod. EC 300 - 20"<br>Cod. 02AC629                                                    | Mod. All - clip for flexible duct (16" - 30")<br>Cod. 02AC663                         |

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| WEIGHTS AND DIMENSIONS MACHINE |      |      |      |      | PACKAGING |      |       |       |
|--------------------------------|------|------|------|------|-----------|------|-------|-------|
| MOD                            | A    | B    | C    | Net  | X         | Y    | H     | Gross |
|                                | [in] | [in] | [in] | [lb] | [in]      | [in] | [in]  | [lb]  |
| EC 100                         | 49.3 | 20   | 30.5 | 120  | 45.9      | 19.9 | 28.2  | 143   |
| EC 200                         | 56.5 | 21.9 | 37   | 207  | 51.6      | 20.1 | 38    | 238   |
| EC 300                         | 68.5 | 27.6 | 41.3 | 275  | 66.5      | 24.4 | 41.4  | 330   |
| EC 100 HC                      | 49.3 | 20   | 33.3 | 142  | 49.3      | 19.9 | 28.3  | 165   |
| EC 200 HC                      | 56.5 | 27.6 | 37   | 220  | 55.1      | 21.9 | 38    | 251   |
| EC 300 HC                      | 65.5 | 27.6 | 44.1 | 297  | 66.5      | 24.4 | 44.09 | 352   |

|                                 |           | EC 100      | EC 200      | EC 300     | EC 100 HC   | EC 200 HC   | EC 300 HC  |
|---------------------------------|-----------|-------------|-------------|------------|-------------|-------------|------------|
| code number                     |           | 02EC202     | 02EC203     | 02EC204    | 02EC252     | 02EC253     | 02EC254    |
| heat input                      | BTU/h     | 112,141     | 204,873     | 293,982    | 112,141     | 204,873     | 293,982    |
| heat output                     | BTU/h     | 94,759      | 183,362     | 258,704    | 94,759      | 183,362     | 258,704    |
| fuel consumption                | US gal/h  | 0.81        | 1.48        | 2.17       | 0.81        | 1.48        | 2.17       |
| heated airflow                  | cfm       | 1,020       | 1,530       | 2,530      | 1,020       | 1,530       | 2,530      |
| temperature rise (@ 64°F)       | °F        | 95          | 136         | 126        | 95          | 136         | 126        |
| power supply                    | V, ph, Hz | 120, 1, 60  | 120, 1, 60  | 120, 1, 60 | 120, 1, 60  | 120, 1, 60  | 120, 1, 60 |
| fan motor power                 | Hp (rpm)  | 1/4 (3,300) | 5/8 (3,300) | 1 (1,700)  | 1/4 (3,300) | 5/8 (3,300) | 1 (1,700)  |
| current rating                  | amps      | 4.05        | 7.65        | 11.80      | 4.05        | 7.65        | 11.80      |
| max lenght flex. duct (one-way) | ft        | 25          | 48          | 75         | 25          | 48          | 75         |
| max lenght flex. duct (two-way) | ft        | --          | 24          | 35         | --          | 24          | 35         |
| flue size                       | in        | 5.9         | 5.9         | 5.9        | 5.9         | 5.9         | 5.9        |
| tank capacity                   | US gal    | 11          | 17.2        | 27.7       | 17.2        | 27.7        | 35.6       |
| run time                        | hour      | 14          | 14          | 13         | 21          | 22.4        | 16.4       |
| unit/pallet                     | qty.      | 6           | 1           | 1          | 6           | 1           | 1          |
| unit/container 20'              | qty.      | 54          | 38          | 24         | 54          | 28          | 24         |
| unit/container 40'              | qty.      | 132         | 82          | 52         | 132         | 58          | 52         |
| unit/container 40' hc           | qty.      | 132         | 82          | 52         | 132         | 58          | 52         |



FOUR-PASS HEAT EXCHANGER TECHNOLOGY

All BIEMMEDUE combustion chambers are manufactured using AISI 430 stainless steel with aluminised steel heat exchanger to increase performance. The new four-pass heat exchanger technology allows exhaust gases to increase heat exchange with the cooling air and obtain maximum thermal efficiency. Our heaters are the most efficient in the industry. Available on EC 200, EC 300 and all PHOEN heaters.