

PRODUCT INFORMATION SHEET

The product data presented below complies with the requirements of EU regulations 811/2013 and 813/2013 to comply with directives 92/42/EU and 92/42/EEC.

CE PIN Number: 0085CT0347

| Product Data | Symbol | Unit | Citius Premix 14 HM-HCH-HST | Citius Premix 20 HM-HCH-HST | Citius Premix 24 HM-HCH-HST | Citius Premix 28 HM-HCH-HST |
|---|---|--------|---|--------------------------------|--------------------------------|--------------------------------|
| Condensing appliance | | | Yes | Yes | Yes | Yes |
| Low-temperature boiler>(*b) | | | No | No | No | No |
| B1 boiler | | | No | No | No | No |
| Cogeneration Space Heater | | | No | No | No | No |
| Combination Heater | | | Yes (for HM models) / No (for HCH and HST models) | | | |
| Useful Heat Output | | | | | | |
| Rated heat output (*e) | Prated | kW | 14 | 20 | 24 | 28 |
| At rated heat output and high temperature regime (*a) | P4 | kW | 14,1 | 20,2 | 24,5 | 28 |
| At 30% of rated heat output and low temperature regime | P1 | kW | 6,7 | 6,7 | 8,1 | 9,2 |
| Auxiliary Electricity Consumption | | | | | | |
| At full load | elmax | kW | 0,025 | 0,034 | 0,044 | 0,051 |
| At part load | elmin | kW | 0,016 | 0,016 | 0,016 | 0,016 |
| In Standby mode | PSB | kW | 0,002 | 0,002 | 0,003 | 0,003 |
| Space Heating Efficiency | | | | | | |
| Seasonal space heating energy efficiency class | | | A | A | A | A |
| Seasonal space heating energy efficiency | η_s | % | 92 | 92 | 92 | 92 |
| At rated heat output and high temperature regime (*c) | η_4 | % | 87,9 | 87,9 | 87,9 | 87,9 |
| At 30% of rated heat output and low temperature regime (*d) | η_1 | % | 97 | 97 | 97 | 97 |
| For Combination Heaters (*f) | | | | | | |
| Temperature application (*f) | | | Medium | Medium | Medium | Medium |
| Declared load profile (*f) | | | XL | XL | XL | XL |
| Water heating energy efficiency class (*f) | | | A | A | A | A |
| Water heating energy efficiency (*f) | η_{wh} | % | 85 | 85 | 85 | 84 |
| Daily fuel consumption (*f) | Q _{fuel} | kWh | 22,4 | 22,4 | 22,4 | 22,4 |
| Annual fuel consumption (*f) | AFC | Gj | 18 | 18 | 18 | 18 |
| Other Items | | | | | | |
| Standby Heat Loss | P _{stby} | kW | 0,065 | 0,065 | 0,065 | 0,065 |
| Ignition Burner Power Consumption | P _{ign} | kW | 0 | 0 | 0 | 0 |
| Annual Energy Consumption | Q _{HE} | kWh | 12267 | 17574 | 21315 | 24360 |
| Daily Electricity Consumption | Q _{elec} | kWh | 0,2 | 0,2 | 0,2 | 0,2 |
| Annual Electricity Consumption | AEC average | kWh | 44 | 44 | 44 | 44 |
| Sound Power Level | L _{WA} | db(A) | 46 | 46 | 46 | 52 |
| Emission of Nitrogen Oxide | NO _x | mg/kWh | 36 | 40 | 44 | 48 |
| Indication about ability working only during off-peak hours | | | No | No | No | No |
| Manufacturer | Emas Makina Sanayi A.Ş. | | | | | |
| Address of the Manufacturer | Mustafa Kemal Bulvarı Organize Sanayi Bölgesi 3.Kısım No: 13 45030 MANİSA | | | | | |

(*a) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(*b) Low temperature means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(*c) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(*d) Low temperature means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(*e) For heat pump heaters and combined heaters, the rated heat output Prated is the same as the standard load in heating mode P_{designh}. The rated heat output of a P_{sup} auxiliary heating device is the same as the auxiliary heating power sup(Tj).

(*f) Valid for HM models.



Warning: Special precautions are stated in the user and installation manuals for assembly, installation and maintenance. Read and follow the user and installation manuals.



Warning: This natural draft boiler can only be connected to a flue gas system which more than one flat is connected in existing buildings, which directs the combustion gases in the installation room to the open air. It has a differential pressure switch and takes combustion air directly from the installation room. Any other use of this boiler should be avoided due to its low efficiency. It may result in higher energy consumption and higher operating costs.



Warning: Read and follow the user and assembly manuals for assembly, installation, maintenance, disassembly, recycling and/or waste disposal.



Warning: All data contained in the product information has been determined within the framework of the requirements of European directives. Differences from product information stated elsewhere may be due to different testing conditions. Only the data contained in this product information is binding and valid.

