

## Fact Sheet

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### Requesting DHW Whilst in Cooling Mode

## Facts at a glance:

#### Cooling

All Kensa Heat pumps can provide cooling if they are ordered with this option.

#### DHW

All Kensa heat pumps are now fitted with the provision of DHW production as standard.

#### Calling for DHW and Cooling

If DHW and cooling are called for together then the heat pump will simply stop working until one of the loads is removed.

#### Time delay

There should be a reasonable time delay in toggling between heating DHW and providing cooling.

#### Fault signal

When reverting to DHW mode from cooling mode, or vice-versa, it is entirely possible that the heat pump may exhibit some self-resetting faults.

All Kensa's Compact heat pumps are available with cooling as an optional extra which needs to be specified at time of order.

For twin compressor heat pumps, there is an option of having cooling either on one compressor, or on both depending on the cooling load and the effectiveness of the cooling distribution system.

All Kensa's Compact heat pumps now come with the provision for DHW heating as standard.

If a heat pump is asked to heat DHW, and provide cooling, at the same time, then the heat pump will not run in either cooling mode, or in DHW mode - it will simply stop running, reading 0.0 on the display and the underfloor circulation pump will continue to run.

As soon as the call for DHW is removed, the heat pump will resume cooling if there is still an enable signal, and a call for cooling.

As soon as the call for cooling is removed, the heat pump will revert to space heating mode, if there is an enable signal, or will revert to DHW heating if there is a call for DHW heating.

There should be a reasonable time delay provided by the building's HVAC control system - 10 minutes or so - in asking the heat pump to toggle between heating DHW and providing cooling.

When reverting to DHW mode from cooling mode, or vice-versa, it is entirely possible that the heat pump may exhibit some self-resetting faults, as the temperatures stabilise once more in the new mode.

Continued...

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