Only when the space heating/cooling is **OFF** will the heat pump operate to heat domestic water.

**DHW PUMP** sets whether or not the DHW pump is controlled by the Mono unit. If the DHW pump is to be controlled by the Mono, select **YES**. If the DHW pump is not to be controlled by the Mono unit, select **NON**.

**DHW PUMP PRIORITY TIME SET** set the operation time of DHW during **DHW PRIORITY** mode.

**dT5_ON** sets the temperature difference between the DHW set temperature (T5S) and the DHW tank water temperature (T5) above which the heat pump providing heated water to the DHW tank. When T5S - T5 ≥ dT5_ON the heat pump providing heated water to the DHW tank.

Note: When the heat pump's leaving water temperature is above the DHW mode leaving water temperature operating limit (T5stop), the heat pump does not provide heated water to the DHW tank. The DHW mode leaving water temperature operating limit is related to ambient temperature as shown in Figure 2-6.3 in Part 2, 6 "Operating Limits".



*Figure 3-7.5: dT5_ON*

Abbreviations:
T5: DHW tank water temperature
T5S: DHW set temperature

**dT1S5** sets the heat pump's leaving water set temperature (T1S) relative to DHW tank water temperature (T5). For DHW mode, the user sets the DHW set temperature (T5S) on the main screen and cannot manually set T1S. T1S is set as T1S = T5 + dT1S5.

Figure 3-7.6 illustrates the operation of the heat pump and immersion heater(optional) in DHW mode. If the DHW tank water temperature (T5) is less than the minimum of the DHW set temperature (T5S) and the heat pump leaving water temperature operating limit (T5stop) (refer to Figure 2-6.3 in Part 2, 6 "Operating Limits") less **dT5_ON**, the heat pump starts providing heated water to the DHW tank. After **t_TBH_delay** minutes have elapsed, the immersion heater is turned on. If T5 reaches T5stop, the heat pump stops but the immersion heater continues running until T5 has reached T5S + **dT5_TBH_OFF**
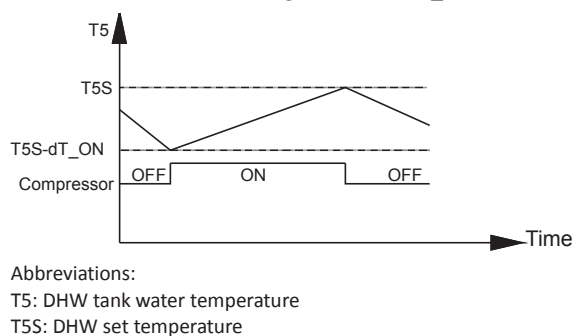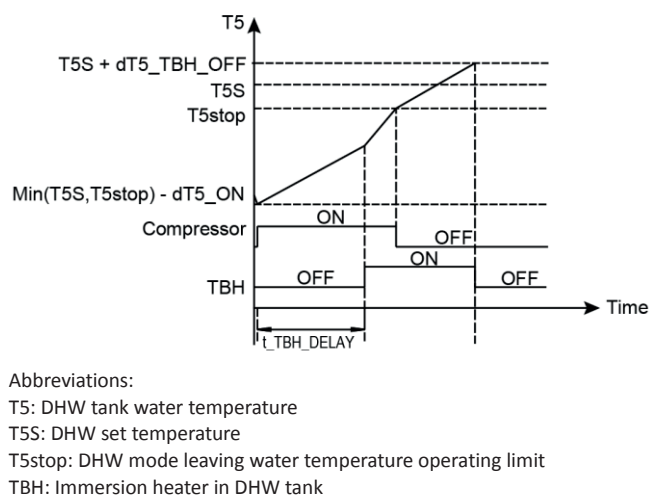


*Figure 3-7.6: DHW mode operation*

Abbreviations:
T5: DHW tank water temperature
T5S: DHW set temperature
T5stop: DHW mode leaving water temperature operating limit
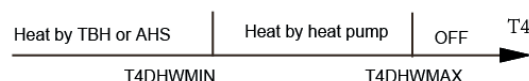TBH: Immersion heater in DHW tank

**T4DHWMAX** sets the ambient temperature above which the heat pump will not operate in DHW mode. The highest value that **T4DHWMAX** can take is 43°C, which is the DHW mode upper ambient temperature operating limit of the heat pump.



*Figure 3-7.7: T4DHWMAX and T4DHWMIN*

Abreviations:
HP: Heat pump
TBH: DWH tank immersion heater
AHS: Additional heating source

**T4DHWMIN** sets the ambient temperature below which the heat pump will not operate in DHW mode. The lowest value that **T4DHWMIN** can take is -25°C, which is the DHW mode lower ambient temperature operating limit of the heat pump.

**t_INTERVAL_DHW** sets the DHW mode compressor re-start delay. When the compressor stops running, it will not re-start