## Block Q3PH

The Q3PH block implements by a three-parameter model typically used for heating-demand calculations of buildings.



Q3PH

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|---|---|
| **Name** | Q3PH |
| **Function** | bs0030 |
| **Inputs** | 1 |
| **Outputs** | 1 |
| **Parameters** | 3 |
| **Strings** | 0 |
| **Group** | S |

### Inputs

1 Ambient temperature $T_\mathrm{a}$ / °C

### Outputs

1 Heating demand $Q_\mathrm{h}$ / kWh

### Parameters

1 Heating base load $Q_\mathrm{hb}$ / kWh
2 Heating change-point temperature / °C
3 Heating slope $\alpha_h$ / kWh K$^{-1}$ (usually negative)

### Strings

None