

Block Q3PH

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



Q3PH

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Inputs

- | | |
|---|--------------------------------|
| 1 | Ambient temperature T_a / °C |
|---|--------------------------------|

Outputs

- | | |
|---|----------------------------|
| 1 | Heating demand Q_h / kWh |
|---|----------------------------|

Parameters

- | | |
|---|---|
| 1 | Heating base load Q_{hb} / kWh |
| 2 | Heating change-point temperature / °C |
| 3 | Heating slope α_h / kWh K ⁻¹ (usually negative) |

Strings

None
