

Heat Transfer Coefficient = HTC (U)

[@wikipedia](#)

[Proportionality constant](#) U between the [heat flux](#) j_H and the temperature difference ΔT creating thermodynamic driving force for the [heat flow](#):

$$(1) \quad j_H = U \cdot \Delta T$$

Symbol	Dimension	SI units	Oil metric units	Oil field units
U	$M^1 T^3 1$	W/(m ² K)	W/(m ² K)	BTU/(hrft ² °F)

The examples of mathematical models of [Heat Transfer Coefficient](#) are summarized in [Heat Transfer Coefficient @model](#).

See also

[Physics](#) / [Thermodynamics](#) / [Heat Transfer](#)

[[Heat Transfer Coefficient @model](#)]

[[Thermal conductivity](#)] [[Nusselt number \(Nu\)](#)]

Reference

https://www.engineeringtoolbox.com/conductive-heat-transfer-d_428.html