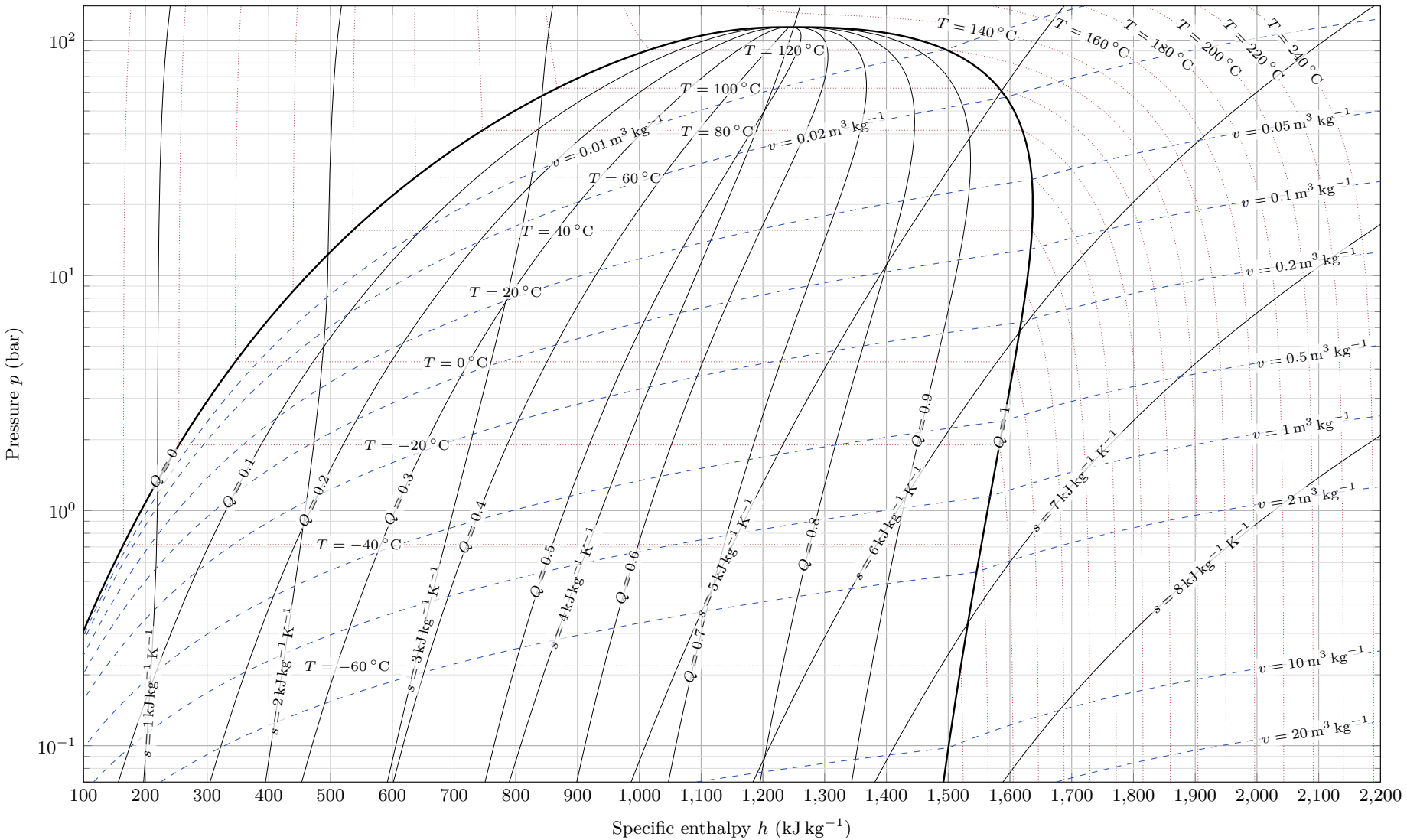
R717 pressure–enthalpy diagram
Pressure p (bar)
Specific enthalpy h (kJ kg^{-1})
10^2
10^1
10^0
10^{-1}
100
200
300
400
500
600
700
800
900
1,000
1,100
1,200
1,300
1,400
1,500
1,600
1,700
1,800
1,900
2,000
2,100
2,200
$T = 140\,^\circ$C
$T = 160\,^\circ$C
$T = 180\,^\circ$C
$T = 200\,^\circ$C
$T = 220\,^\circ$C
$T = 240\,^\circ$C
$T = 120\,^\circ$C
$T = 100\,^\circ$C
$T = 80\,^\circ$C
$T = 60\,^\circ$C
$T = 40\,^\circ$C
$T = 20\,^\circ$C
$T = 0\,^\circ$C
$T = -20\,^\circ$C
$T = -40\,^\circ$C
$T = -60\,^\circ$C
$v = 0.01$ m^3 kg^{-1}
$v = 0.02$ m^3 kg^{-1}
$v = 0.05$ m^3 kg^{-1}
$v = 0.1$ m^3 kg^{-1}
$v = 0.2$ m^3 kg^{-1}
$v = 0.5$ m^3 kg^{-1}
$v = 1$ m^3 kg^{-1}
$v = 2$ m^3 kg^{-1}
$v = 10$ m^3 kg^{-1}
$v = 20$ m^3 kg^{-1}
$Q = 0$
$Q = 0.1$
$Q = 0.2$
$Q = 0.3$
$Q = 0.4$
$Q = 0.5$
$Q = 0.6$
$Q = 0.7$
$Q = 0.8$
$Q = 0.9$
$Q = 1$
$s = 1$ kJ kg^{-1} K^{-1}
$s = 2$ kJ kg^{-1} K^{-1}
$s = 3$ kJ kg^{-1} K^{-1}
$s = 4$ kJ kg^{-1} K^{-1}
$s = 5$ kJ kg^{-1} K^{-1}
$s = 6$ kJ kg^{-1} K^{-1}
$s = 7$ kJ kg^{-1} K^{-1}
$s = 8$ kJ kg^{-1} K^{-1}