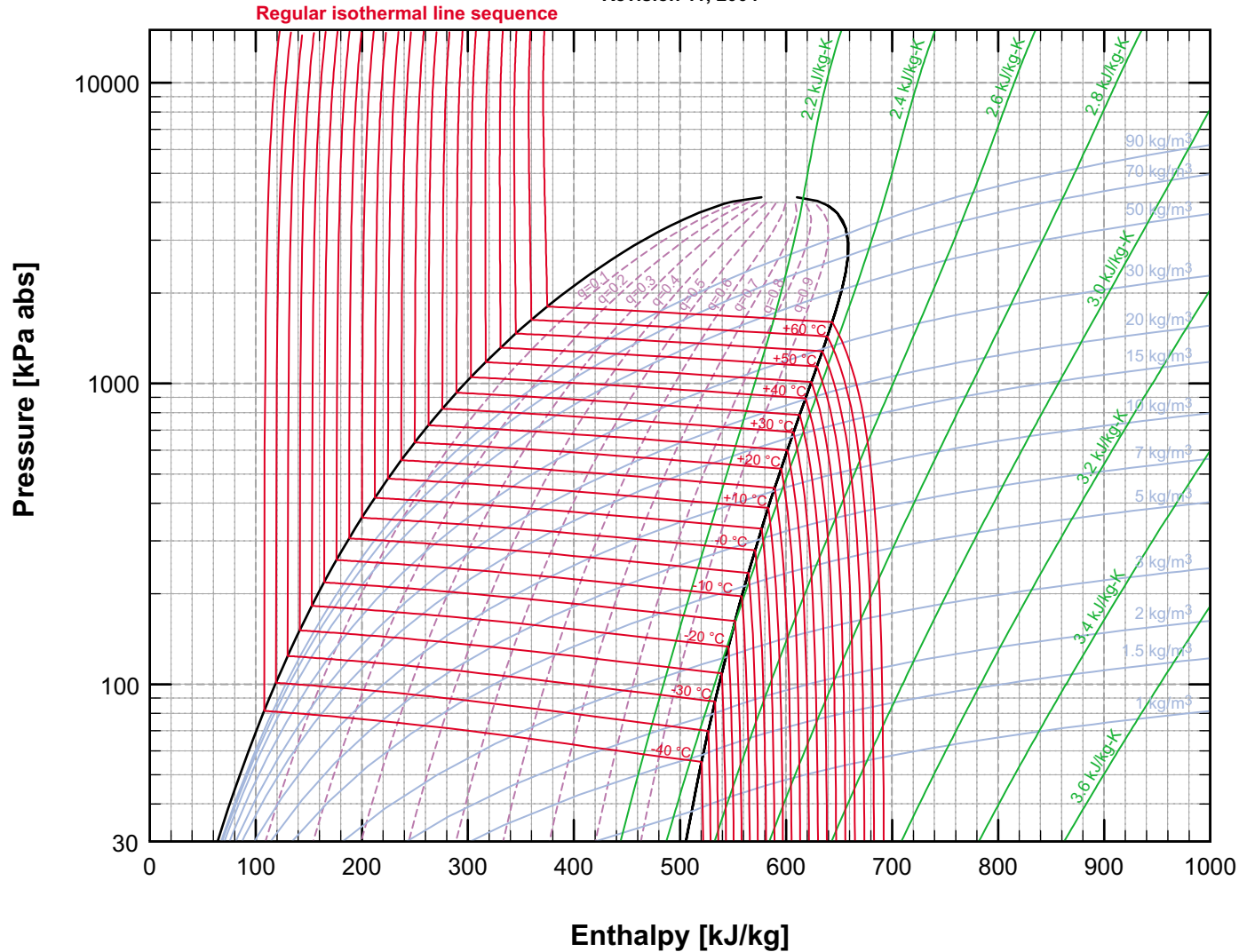


HyChill Minus 30 Precise Pressure vs Enthalpy Plot (IIR)

Revision 11, 2004



FOR SENIOR TECHNICAL STAFF ONLY - NOT FOR GENERAL DISTRIBUTION

Calculated from numerical models using REPROP v6.02 and v7.0.

Mixing parameters based on Lemmon, E.W. and Jacobsen, R.T., refrigerant model 1996 and updated refrigerant model, 2002

$K_t = 1.000$, $K_v = 1.000$, $F_{pq} = 0.1315$, $\beta = 1.000$, $\gamma = 1.000$

Reference state: IIR model (enthalpy = 200 kJ/kg and entropy = 1 kJ/kg-K for the saturated liquid at 0 deg C)

Exergy reference state: $T_o = 25^\circ\text{C}$, $P_o = 101.33$ kPa abs. Reference state applied to mixture.

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