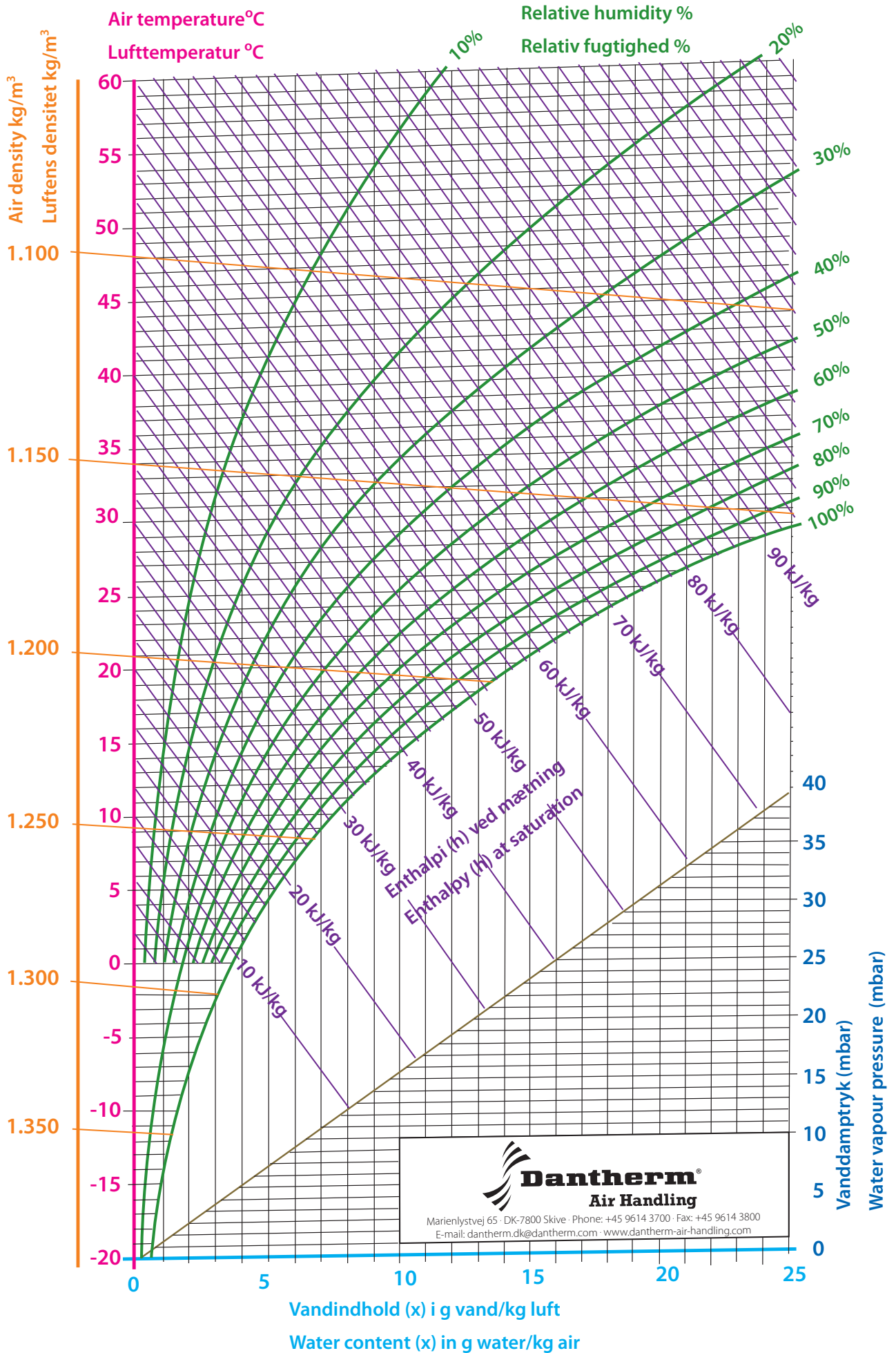


Mollier hx-diagram



Begreber i Molliers hx-diagram

Luftens densitet (ρ)	Den lodrette orange akse helt ude til venstre. Aflæs luftens densitet ved at følge den skrånende orange linje i diagrammet. Luftens densitet er den specifikke massefylde angivet i kg/m^3 .
Lufttemperatur (t)	Den lodrette pink akse i venstre side med tilsvarende let skrånende linjer. Temperaturen angives i $^{\circ}\text{C}$.
Enthalpi (h)	De lilla diagonale linjer. Enthalpi er luftens vameindhold og angives i kJ/kg luft. Starter ved $0^{\circ}\text{C} = 0 \text{ kJ/kg}$.
Relativ fugtighed (RF)	De grønne kurver. Den relative fugtighed angives i procent (%) og er et udtryk for luftens aktuelle vanddamtryk i forhold til vanddamtrykket ved mætning.
Vandindhold (x)	Den vandrette lyseblå akse nederst. Det aktuelle vandindhold i luften målt i g vand/kg luft.
Vanddamtryk (p)	Den lodrette blå akse til højre. Vanddamtryk målt i mbar aflæses for at bestemme det partielle vanddamtryk. Den brune diagonale linje i nederste halvdel af diagrammet er en hjælpelinje til brug for bestemmelse af det partielle vanddamtryk.

Bemærk at hx-diagrammet brugt i denne guide gælder for et atmosfærisk tryk på 1013 mbar.

The Mollier hx-diagram quantities

Air density (ρ)	The vertical orange axis to the extreme left. Read the air density by following the slanting orange lines in the diagram. Air density is the specific gravity measured in kg/m^3 .
Air temperature (t)	The vertical pink axis to the left with corresponding slightly slanting horizontal gridlines. Temperature is measured in $^{\circ}\text{C}$.
Enthalpy (h)	The purple diagonal lines. The enthalpy is the heat energy content of the air measured in kJ/kg air. Starting at $0^{\circ}\text{C} = 0 \text{ kJ/kg}$.
Relative humidity (RH)	The green curved lines. The relative humidity is the proportion of actual water vapour pressure in the air expressed as a percentage (%) of the water vapour pressure at saturation.
Water content (x)	The horizontal light blue axis at the bottom. The actual water content of the air measured in g water/kg air.
Water vapour pressure (p)	The vertical blue axis to the right. The water vapour pressure measured in mbar is read to determine the partial water vapour pressure (rarely used when calculating the humidification load). - The brown diagonal line in the bottom half of the diagram is a help line used when determining the partial water vapour pressure.

Note that the hx-diagram used throughout this booklet applies to an atmospheric pressure of 1.013 mbar.