BTN

Heatexchanger

TÜV NORD
TÜV NORD Systems GmbH & Co. KG
Wärmeaustauscherprüfung
Nach EN 1216: 2003
Freiwillige Produktprüfung raumlufttechnischer Komponenten
Einmalige Prüfung 2009
SEGBP/3146/09

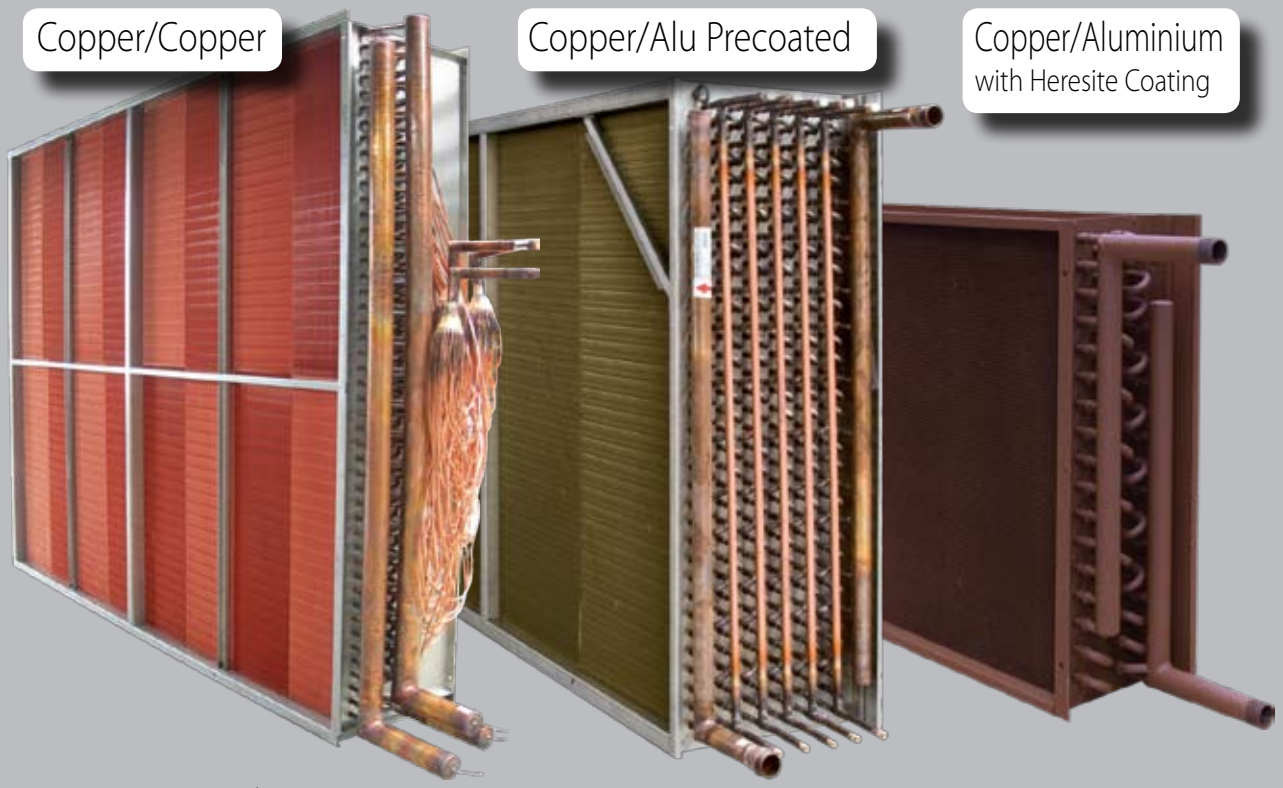
Our range of coils

Copper/Aluminium

Copper/Copper

Copper/Alu Precoated

Copper/Aluminium
with Heresite Coating

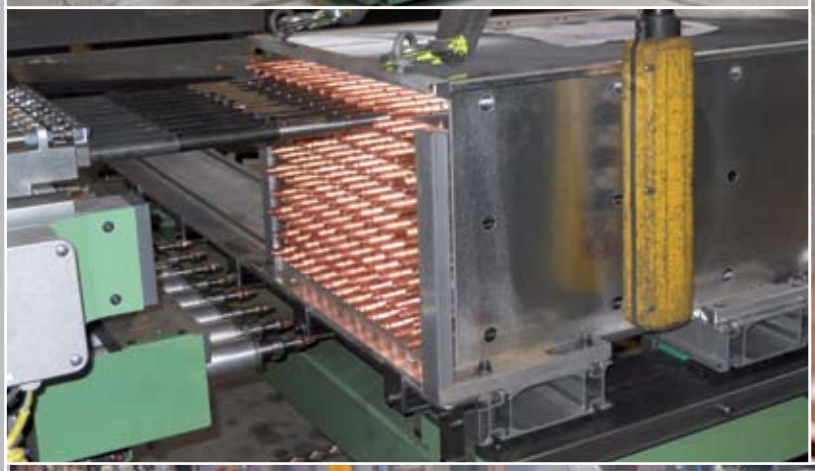


Evaporator/Condensor
(also for heat pump)

High Efficiency Twin Coils

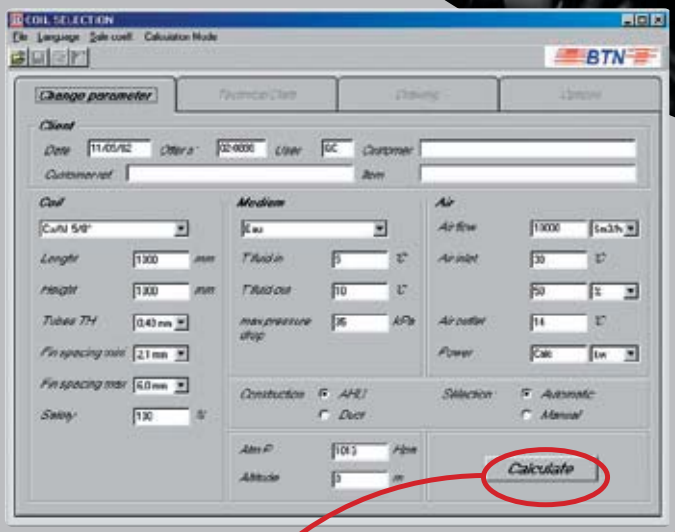
Heatpipe

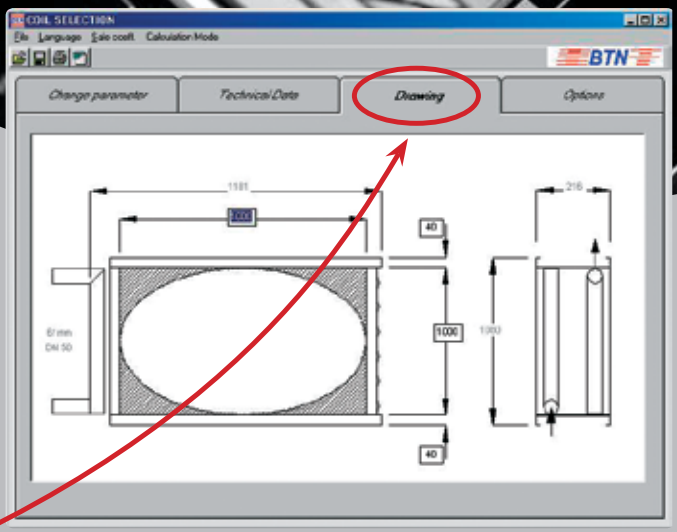
Manufacturing

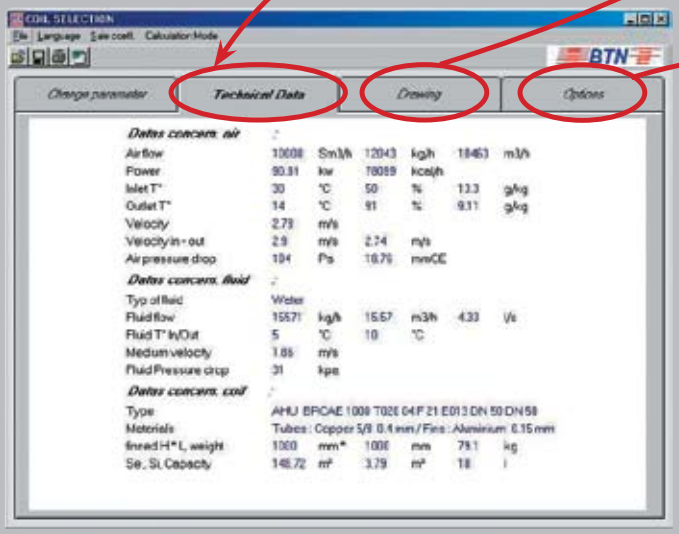


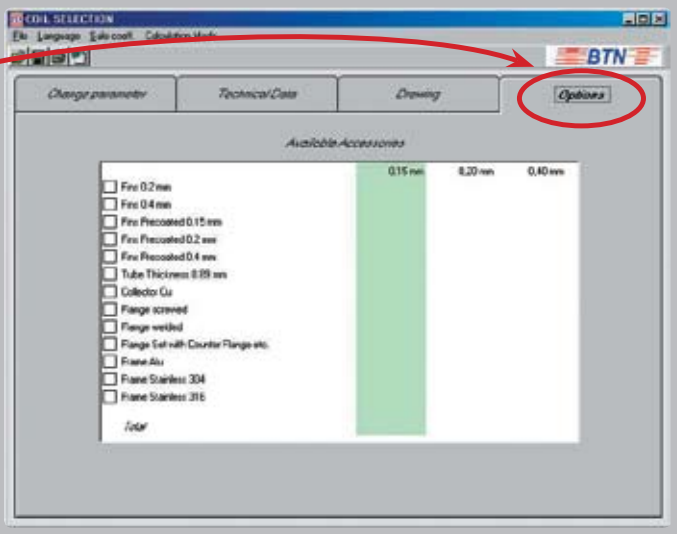
Technical program

Standard Heatexchanger

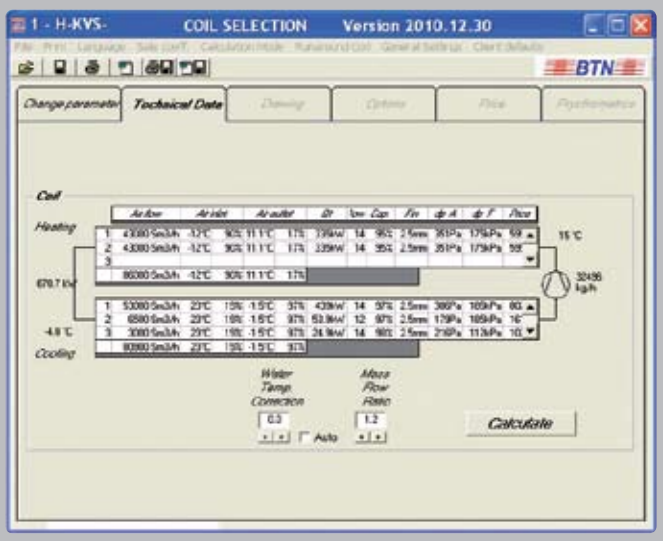




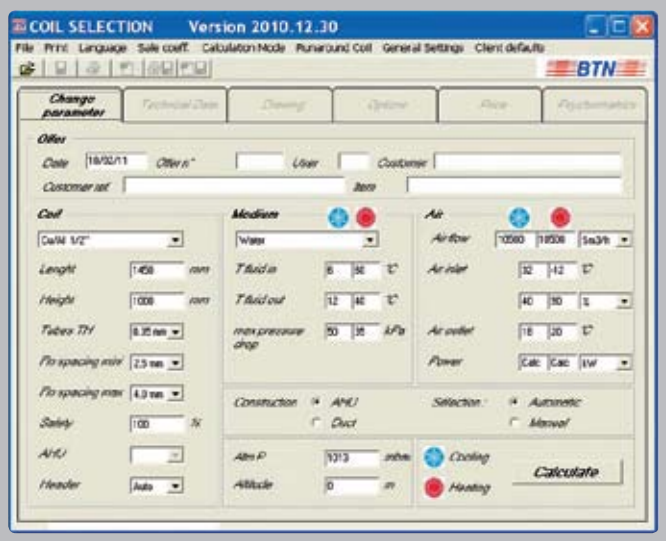




Runaround coil



Change-Over and Evaporator/ Condensor for heat pump



Geometry

Tubes 1/2"

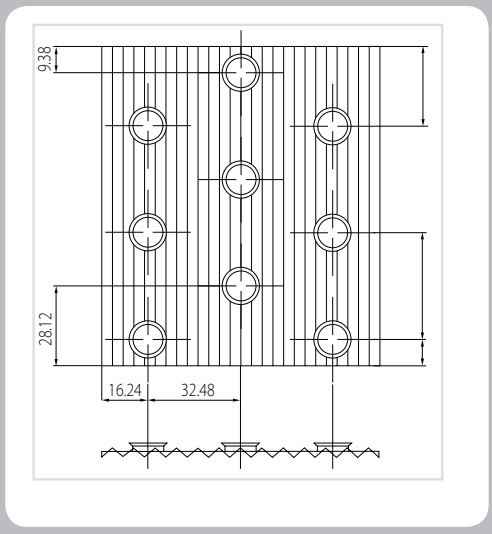
Fins

Fin type : corrugated
Tube spacing : 37.5 x 32.48 mm

Fin thickness
- 0.15 mm for fin spacing 1.8 to 4 mm (Aluminium)
- 0.1 for fin spacing 1.8 to 3 mm (Copper)

Standard fin spacing : 1.8 – 2.1 – 2.5 – 3 and 4 mm

Tubes
Standard : copper Ø12.7 (1/2") – thickness 0.35 mm



Tubes 5/8"

Fins

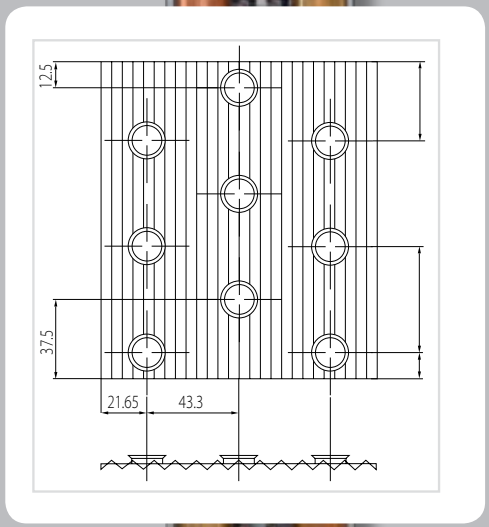
Fin type : corrugated
Tube spacing : 50 x 43.3 mm

Thickness
- 0.15 mm for fin spacing 1.8 to 3 mm
- 0.2 mm for fin spacing 2.5 to 4 mm
- 0.4 mm for fin spacing 2.5 to 6 mm

Standard fin spacing : 1.8 – 2.1 – 2.5 – 3 – 4 – 5 and 6 mm

Tubes

Standard : copper Ø15.87 (5/8") – thickness 0.4 mm
Option : thicker copper : 0.75 and 0.89 mm.



Options :
Frame : galvanized steel , stainless steel, aluminium
Header : steel, copper, stainless steel
Fins : aluminium, copper, aluminium prepaint

Explanation of the code

B	C	C	A	E	1850	T024	2	F30	E012	DN50	DN50	G

- Air side : **G** = left - **D** = right
  S, **Z** for horizontal coils
- Diameter of header (Outlet)
- Diameter of header (Inlet)
- Number of Inlets
- Fin spacing (ex. : 25 = 2.5 mm)
- Number of rows
- Number of Tubes by Row (NTR)
  Tube 5/8" : finned height = NTR x 50 mm
  Tube 1/2" : finned height = NTR x 37.5 mm
- Finned length
- Fluids : **E** = Water - **G** = Glycolized Water - **F** = Evaporating or Condensing Refrigerant - **H** = Thermal oil
- Fins material : **A** = Aluminium – **C** = Copper – **F** = Steel – **I** = Stainless Steel
- Tubes material : **C** = Copper – **F** = Steel – **I** = Stainless Steel
- Use : **C** = Heating – **R** = Cooling
- Type of coil : **B** = Coil 5/8" for air handing unit - **X** = Coil 1/2" for air handing unit
  G = Coil 5/8" for ducts - **Y** = Coil 1/2" for ducts - **T** = Heatpipe - **S** = Coil without frame
  H = High Efficiency Twin Coils 1/2" - **I** = High Efficiency Twin Coils 5/8"

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