

Air-water heat pump with axial fans and scroll compressor

up to 130 kw of heating capacity

DOMINO

R454B



Product features



AC fans with continuous step regulation (EC fans as option)



Seamless copper tubes and aluminum fins condenser coil

Microchannel aluminum coil for chiller version



Electronic expansion valve as standard

Tandem scroll compressors in a single circuit



Heat recovery available

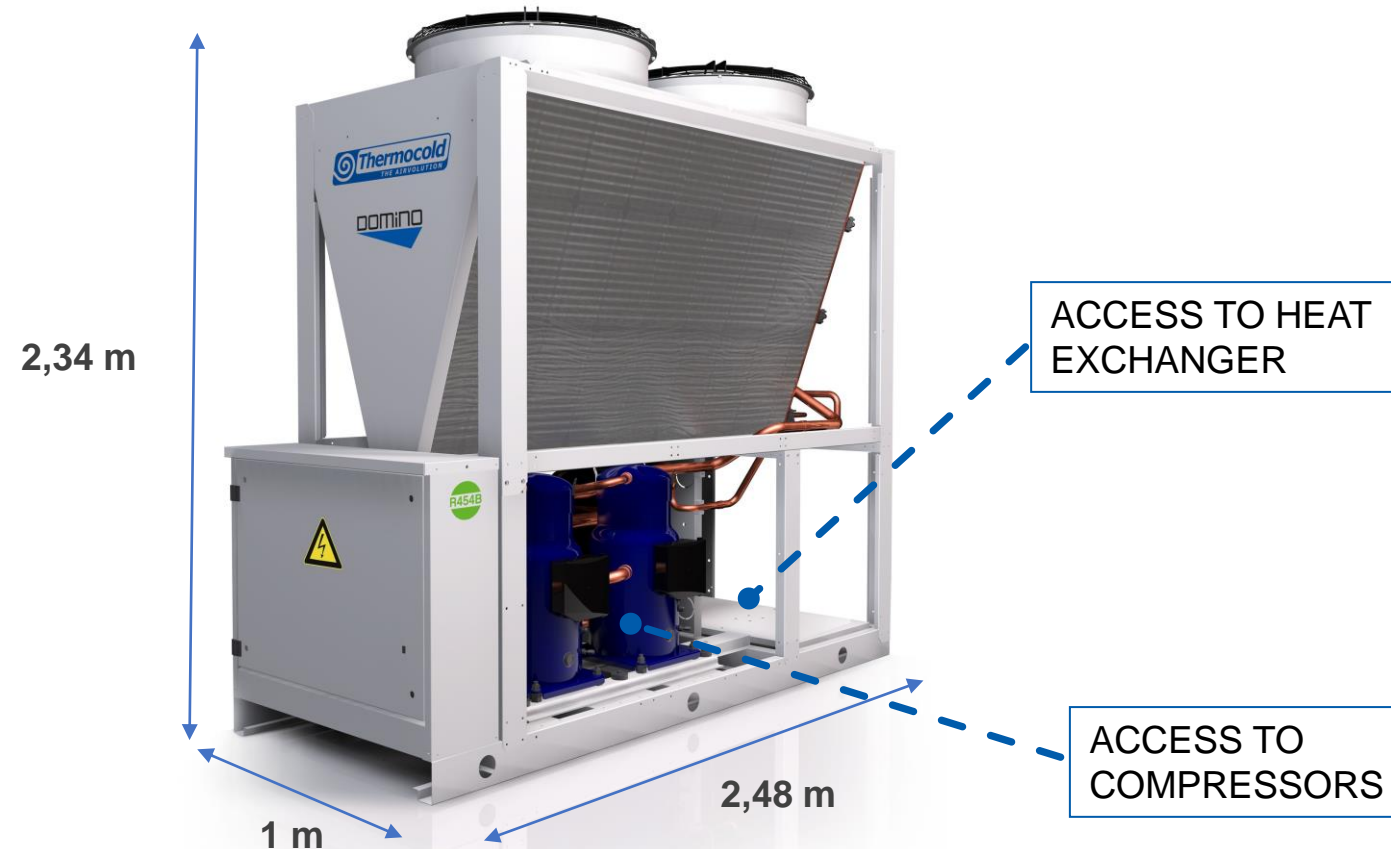
Advanced controller iPro



Product features



- ✓ **Ultra Compact design** only 1 meter width (fits in standard elevator!)
- ✓ **Easy installation**
- ✓ **Easy to handle**



ULTRA COMPACT DESIGN

Product features



- ✓ **Easy installation:** units can be placed side by side and they are easy handy
- ✓ **SEER** up to 3.9
- ✓ **SCOP** up to 3.6

RANGE

- **Cooling: 53 – 128 kW**
- **Heating: 56 – 131 kW**

UP TO 60°

Cooling



-7 ↔ 18°C



-10 ↔ 46°C

Heating



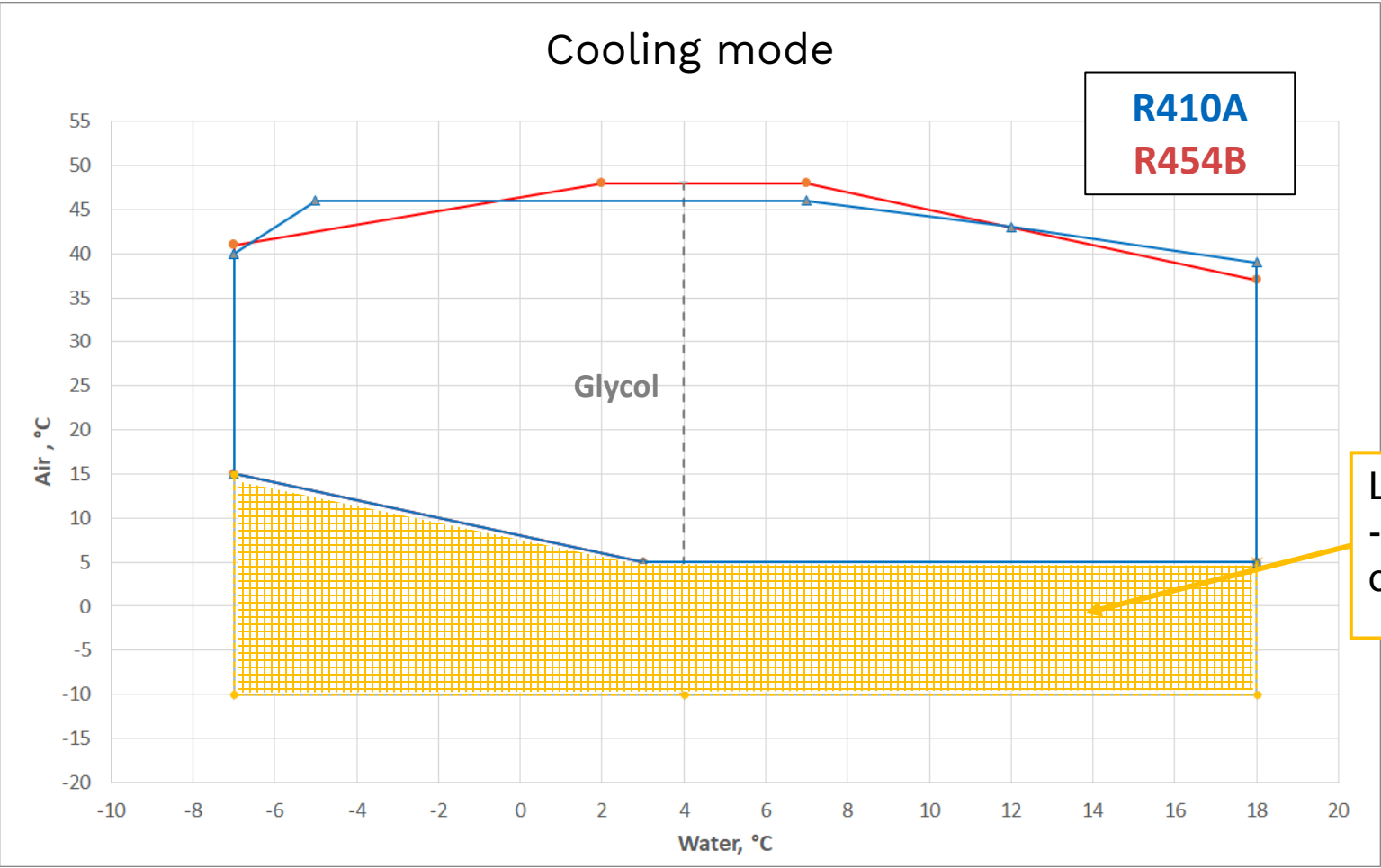
26 ↔ 60°C



-15 ↔ 35°C

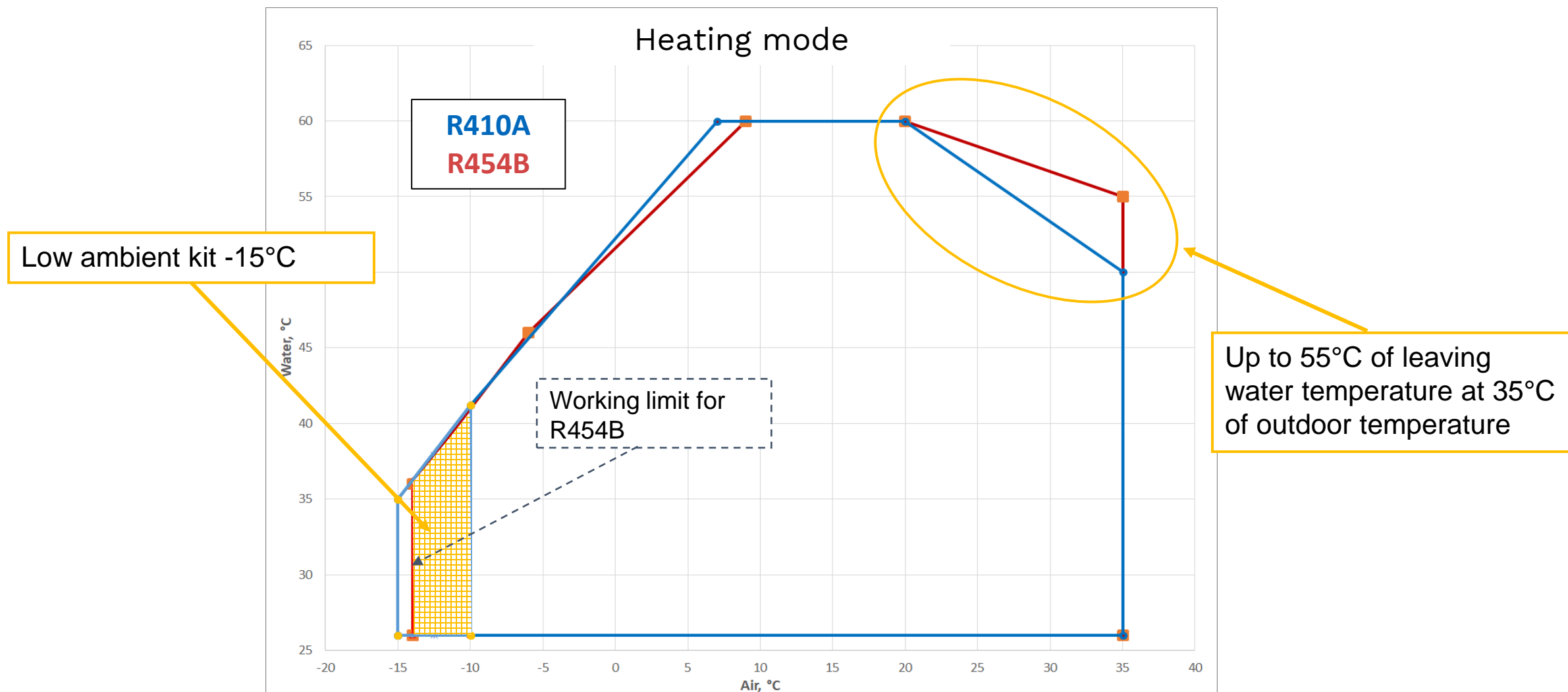


Operating map



Low ambient air kit down to -10°C for cooling mode as option

Operating map



Modular configuration



Expand the total capacity up to **800 kW** !

UP TO 6 UNITS



MULTI MANAGER CONTROLLER FOR MODULAR CONFIGURATION

- ✓ Control up to **6** units, of equal or different capacity
- ✓ Management of water pumps
- ✓ Set point adjustment based on inlet or outlet water temperature

Modular configuration



Expand the total capacity up to **800 kW** !

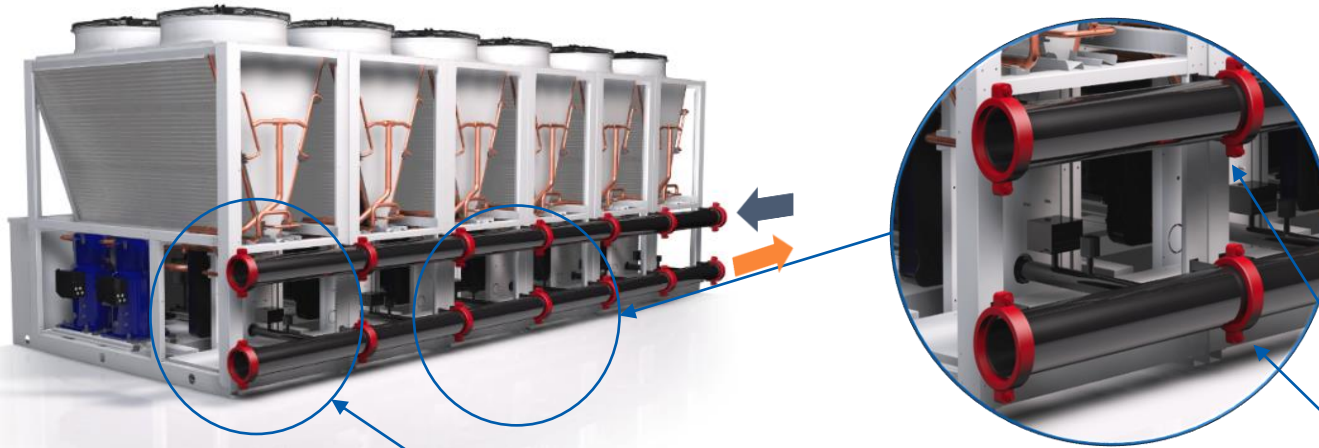
UP TO 6 UNITS



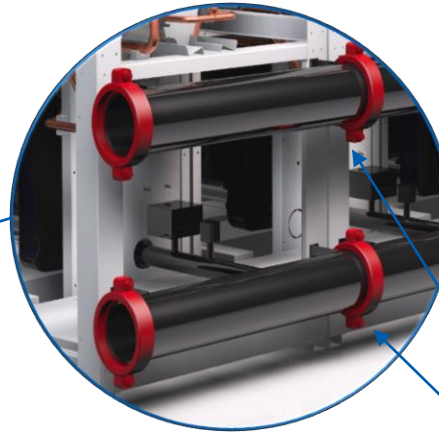
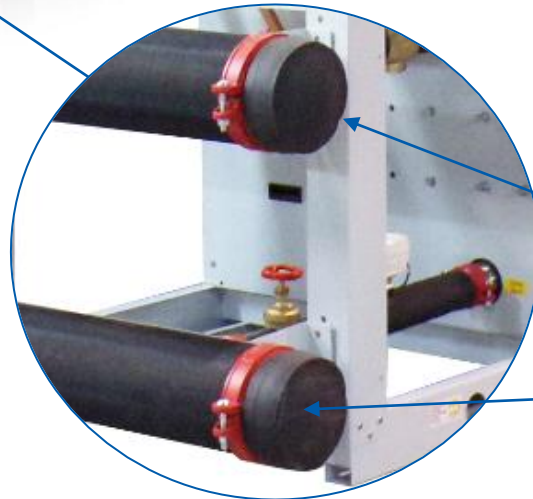
- ✓ High system's reliability
- ✓ Centralized control
- ✓ Flexible investment
- ✓ No stop operation

Easy installation

Easy connection with the **HYDRAULIC CONNECTION KIT**



**FACTORY
MOUNTED!**



The **hydraulic connection kit** includes:

- ✓ Hydraulic manifolds for supply and return
- ✓ Water strainers
- ✓ Flow switch
- ✓ motorized shut-off valve
- ✓ Non-return valve on the discharge branch

Victaulic clamps

Victaulic caps and clamps

Product applications



- ✓ **REPLACEMENT OF EXISTING UNITS**
- ✓ **BUILDINGS IN HISTORIC CENTERS**
- ✓ **BUILDINGS WITH STATIC PROBLEMS**
- ✓ **EXPANSION OF PLANTS**

HIGH PERFORMANCE, EXTENDABLE POWER

