

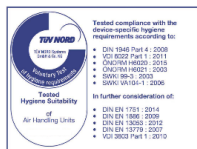


Why choose Daikin air handling units?

- Maximum energy efficiency and indoor air quality
- Wide range of functions and options
- **High quality** components
- **Innovative** technology: Unique features and state of the art technology for short payback
- Operation **efficiency** and **energy savings**
- Outstanding **reliability** and **performance**
- Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems
- Plug and play concept for easy installation and commissioning
- Unique Daikin fresh air package available for connection of AHU to VRV or ERQ

Certifications

- Eurovent certified performances
- Exceeding 2018 ErP – ECODSIGN requirements
- Certified according to the Hygiene Directive VDI 6022 (Professional ranges)
- Certified according to the Hygiene Directive DIN 1946 (Professional range)
- RLT certified performances



The unique quality of Daikin AHU is accomplished by:

Panels

- Inner and outer panels available in different materials (pre-painted, aluminium, stainless steel, etc.) to meet all project specifications

Gasket

- Liquid gasket technology drastically reduces unit air leakage

Frame

- All anodized aluminium which has the highest corrosion resistance compared to natural aluminium
- Unique Daikin thermal break (35 mm or 27 mm thermal break). Polyamide bars design to enhance thermal break unit performances
- Distinctive Section to section thermal break profile to ensure thermal break design on the whole unit
- Rounded profile for increased ease of cleaning

IAQ

- Flush internal surface and rounded corner flush surface to avoid the retention of dirt and to be easily cleanable
- Wide filtration possibility to reduce pollution

Plug & Play Controls

- Pre-commissioned and Factory-tested control for quicker on site commissioning
- Sole manufacturer to provide a complete AHU DX solution from a single manufacturer available for connection of AHU to VRV or ERQ (everything factory-mounted)

Flexible solution for custom applications

Highlights

- Air flow from 750 m³/h to 144,000 m³/h, for all customer needs
- Indoor and outdoor versions
- Custom designed to facilitate the transport and the assembly on site
- Smooth interior surface with improved IAQ (Indoor Air Quality)
- DX cooling system integration (VRV IV and ERQ coupling capability)
- Daikin Digital Control compatible
- Different heat recovery systems: heat wheel (sensible, enthalpy or sorption), cross flow and counter flow plate heat exchangers, run-around coils
- Wide range of fans selectable: EC, AC plug, belt driven (forward curved, backward curved and backward airfoil blades)
- Heating/cooling coil section with stainless steel condensate tray and drip protection
- Different humidifiers available depending on customer needs
- Premium efficiency filters with factory mounted differential pressure manometer
- Profile in anodized aluminum with or without thermal break
- Base frame in Galvanized steel, Aluminium, Stainless Steel 430 or 316
- Panel insulation in polyurethane foam or mineral wool
- Different material options selectable for internal, external panel skin: Pre-coated, Aluzinc, Aluminum, Stainless Steel 304 or 316
- Wide range of accessories
- Possibility to import BIM objects in Autodesk® Revit, thanks to a dedicated free plug-in available for **download**



Daikin fresh air package



Plug and play connection of AHU to Daikin VRV and ERA

The Daikin fresh air package provides a complete solution, including all unit controls (expansion valve, control box and AHU controller) and sensors factory mounted and configured.

What is included?

- A **plug & play package** with a Daikin DX outdoor unit and Daikin Air Handling Unit
- Factory fitted and welded **DX coil, expansion valve kit and control box**
- **One point of contact**



VRV or ERA outdoor condensing unit



Daikin Air Handling Unit
Professional
Modular R&P
Compact L&T



Factory fitted and welded DX coil, expansion valve kit and control box

Fully compatible with R-410A and R32 systems



Expansion valve (EKEXVA)



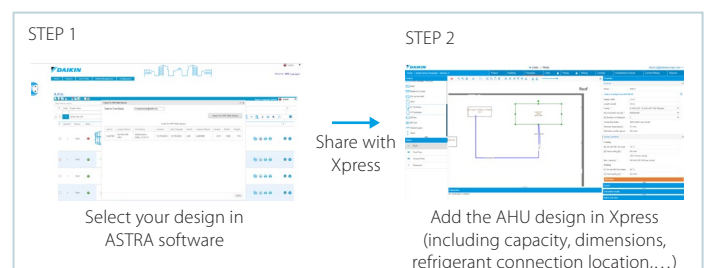
Electronic interface (EKEACB)



Simplified business

- Unique **total solution approach** of heating, cooling and ventilation
- Off-the-shelf **compatibility** between Daikin outdoor unit and Daikin AHU
- Plug&play control for **outstanding reliability**
- **Peace-of-mind** thanks to a single point of contact

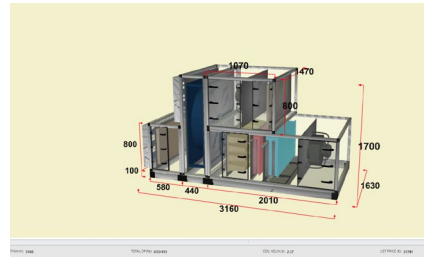
Simple selection in 2 steps



Marketing tools

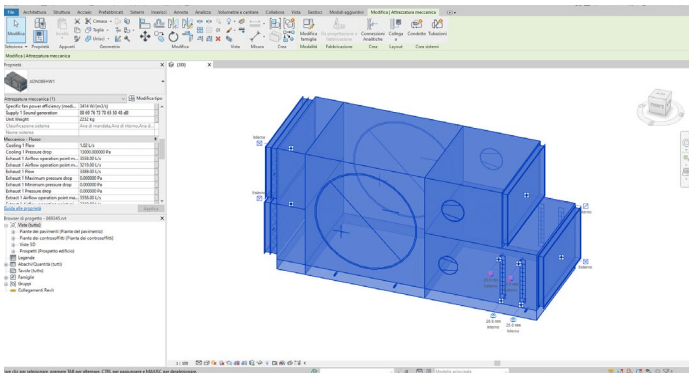


- Watch the time-lapse video of a Daikin AHU construction on www.youtube.com/daikineurope
- Watch the Compact L promotional video on www.youtube.com/daikineurope
- Download our brochure on air handling units from my.daikin.eu
- Get the access to the selection tool <http://tools.daikinapplied.eu> to select your air handling units in a few clicks.
- Consult the "Argue Card" document to support in promoting the Compact L and T range (available on request – refer to your Daikin AHU specialist)



BIM models

- Get the Compact L and T BIM models on bim.daikin.eu
- Get the BIM tool plugin for Revit for Professional and Modular R/P series



Benefits for the installer

Plug and play design

- Pre-programmed and factory-tested controls for an easier and fast commissioning
- Low voltage fast connectors between AHU sections
- Flush mounted or external electrical control panel

Daikin Fresh air package

- Plug & Play connection of Professional or Modular AHU to Daikin VRV and ERQ
- Factory-mounted package contains expansion valves, electronic interface and sensors

Benefits for the consultant

Quick selection tool

- In-house developed web software with improved user interface and preset parameters ensure that you can always find the optimum and most energy efficient product for your application
- Extremely flexible design
- Infinite variable sizes (increments of 1 cm)

BIM models

- Regardless if your AHU is standard or fully customized, BIM models are available and can be downloaded with just a few clicks

Benefits for the end user

Customized or standard

- Amazing tailor-made capability to meet the specific customer needs with the Professional range or fast availability thanks to the "make to stock" standard Compact L and T range

Efficient control logic

- Open communication protocols (BACnet and Modbus) that guarantee BMS, and iTM compatibility
- Energy efficient controls with reduced energy and operating cost
- Highest efficiency ensure savings on energy consumption costs

Contact Us

www.daikin.co.za

Online Order Management
my.daikin.co.za

Orders & Admin Contact e-mail
orders@daikin.co.za

Spares Contact e-mail
spares@daikin.co.za

Head Office and Cape Town Sales
Tel: (021) 528 3500 or Fax: (021) 551 8434

Johannesburg and Export Sales
Tel: (011) 997 4400 or Fax: (011) 997 4444

Durban Sales
Tel: (031) 263 2992 or Fax: (031) 263 2730