



EMAIR

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DIRECT EXPANSION AIR COOLED UNITS

All units complete with -

- R410 refrigerant system including sight glass and filter drier
- Micro processor control
- Single Copper / Aluminium - DX coil
- Hydrophillic coil treatment
- Copper / Aluminium coils
- Hydrophillic coil treatment
- Dirty filter sensor
- Air flow sensor
- Modbus RTU protocol, RS485 serial interface
- Fire interlock
- Remote on / off
- Scheduler
- Duty / standby function with active unit
- Electrode boiler type humidifier (when requested)
- Electrical reheat with step control (when requested)
- Hot water reheat with 3 way valve (when requested)
- Hot gas by-pass with valve (when requested)



Choice between -

- Up or Down blow units
- Single or variable speed compressors
- Radial or EC plug fans
- Mechanical or electronic expansion valve
- Single or dual coil arrangement



Additional available items

- Free cooling options
- BACnet TCP/IP protocol
- Fresh air filter
- Fire sensor
- Smoke sensor
- Remote display
- Adjustable base frames
- Top discharge plenum
- Bottom discharge plenum
- Top return air plenum
- Integrated damper
- Condensate drain pump
- Compressor attenuation

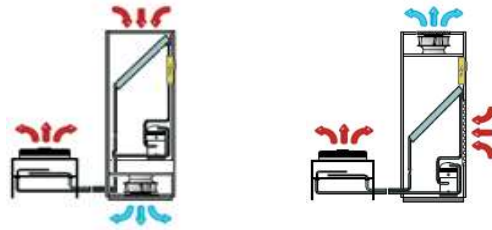
Possible configurations

- Top or bottom discharge cooling only
- Top or bottom discharge cooling with electric reheat
- Top or bottom discharge cooling with hot gas bypass
- Top or bottom discharge cooling with humidification
- Top or bottom discharge cooling with electric reheat and humidification
- Top or bottom discharge cooling with hot gas bypass and humidification

DIRECT EXPANSION AIR COOLED UNITS

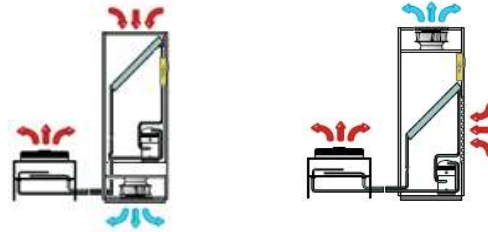
XIP

- 6 sizes 17 - 136 kW
- Inverter scroll compressor
- EC plug type fan
- Single coil
- Single or dual circuit
- External UCM condenser



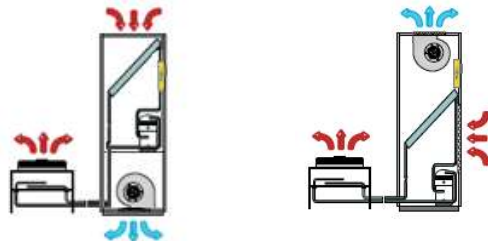
XOP

- 19 sizes 9 - 141 kW
- Single speed scroll compressor
- EC plug type fan
- Single coil
- Single or dual circuit
- Electronic expansion valve (optional)
- External UCM condenser



XOC

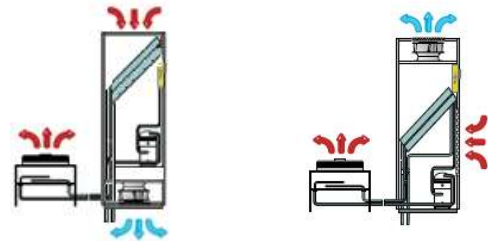
- 19 sizes 9 - 141 kW
- Single speed scroll compressor
- Radial type fan
- Single coil
- Single or dual circuit
- Electronic expansion valve (optional)
- External UCM condenser



DUAL COIL DX AIR COOLED / CHILLED WATER UNITS

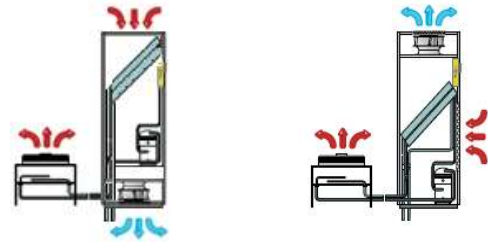
TIP

- 5 sizes 26 - 120 kW
- Inverter scroll compressor
- EC plug type fan
- Dual coil DX / CW
- Single or dual circuit
- Electronic expansion valve standard
- External UCM condenser



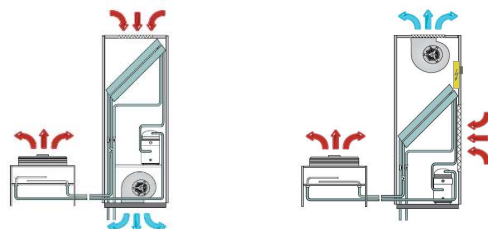
TOP

- 7 sizes 26 - 118 kW
- Single speed scroll compressor
- EC plug type fan
- Dual coil DX / CW
- Single or dual circuit
- Electronic expansion valve standard
- External UCM condenser



TOC

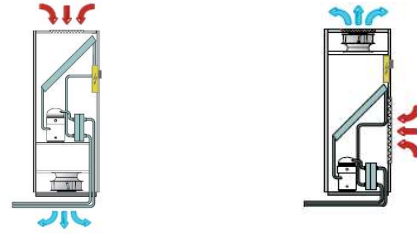
- 7 sizes 25 - 118 kW
- Single speed scroll compressor
- Radial fan
- Dual coil DX / CW
- Electronic expansion valve (optional)
- External UCM condenser



DIRECT EXPANSION WATER COOLED UNITS

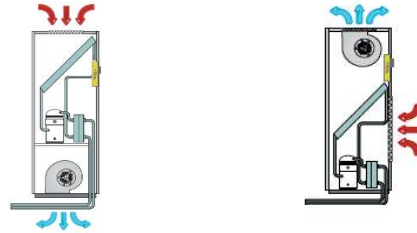
HOP

- 17 sizes 9 - 152 kW
- Single speed scroll compressor
- EC plug type fan
- Single coil
- Single or dual circuit
- Electronic expansion valve standard
- External cooling tower - by others



HOC

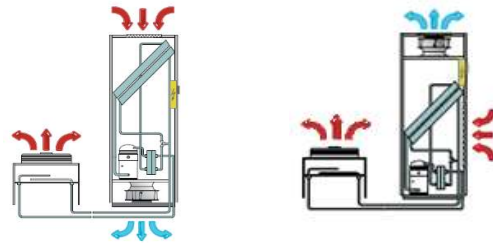
- 17 sizes 9 - 152 kW
- Single speed scroll compressor
- Radial type fan
- Single coil
- Single or dual circuit
- Electronic expansion valve (optional)
- External cooling tower - by others



DIRECT EXPANSION FREE COOLING UNITS

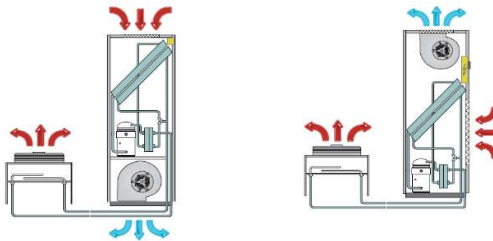
FOP

- 6 sizes 29 - 109 kW
- Single speed scroll compressor
- EC plug type fan
- Single coil
- Single or dual circuit
- Electronic expansion valve standard
- Free cooling with dry cooler



FOC

- 6 sizes 29 - 109 kW
- Single speed scroll compressor
- Radial type fan
- Single coil
- Single or dual circuit
- Electronic expansion valve standard
- Free cooling with dry cooler

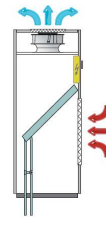
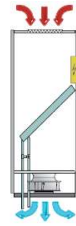


CHILLED WATER UNITS - SINGLE COIL

WOP

19 sizes 9 - 155 kW @ 7/12°C
EC plug type fan
Single coil
2/3 way valve

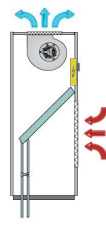
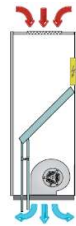
Flow meter - optional
Energy meter - optional



WOC

19 sizes 9 - 155 kW @ 7/12°C
Radial fan
Single coil
2/3 way valve

Flow meter - optional
Energy meter - optional

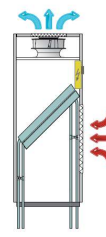


CHILLED WATER UNITS - DUAL COIL

DOP

5 sizes 28 - 93 kW per circuit @7/12°C
19 sizes 9 - 155 kW @ 7/12°C
EC plug type fan
Dual coil CW/CW
2/3 way valve

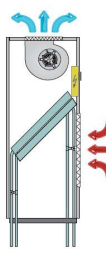
Flow meter - optional
Energy meter - optional



DOC

5 sizes 28 - 93 kW per circuit @7/12°C
19 sizes 9 - 155 kW @ 7/12°C
Radial fan
Dual coil CW/CW
2/3 way valve

Flow meter - optional
Energy meter - optional

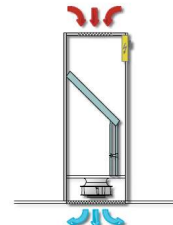
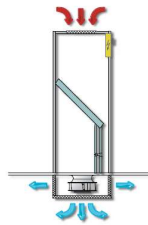


UNDERFLOOR CHILLED WATER UNITS



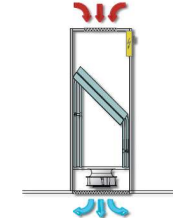
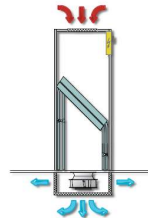
WOPU

5 sizes 117 - 282 kW @14/20°C
5 sizes 102 - 244 kW @7/12°C
Underfloor unit
EC plug type fan
Single coil



DOPU

5 sizes 88 - 205 kW per circuit @14/20°C
5 sizes 74 - 173 kW per circuit @7/12°C
Underfloor unit
EC plug type fan
Dual Copper / Aluminium - CW/CW coil



Possible configurations

- Bottom discharge cooling only
- Bottom discharge cooling with electric reheat
- Bottom discharge cooling with humidification
- Bottom discharge cooling with electric reheat and humidification

CHILLED WATER CABINET REAR COOLING DOORS

LRD

3 sizes 25 - 45 kW
EC plug type fan
Single Copper / Aluminium
Suitable for 42U - 8U racks
High density applications
May be installed on existing systems
Water operating temperature 18/23°C

