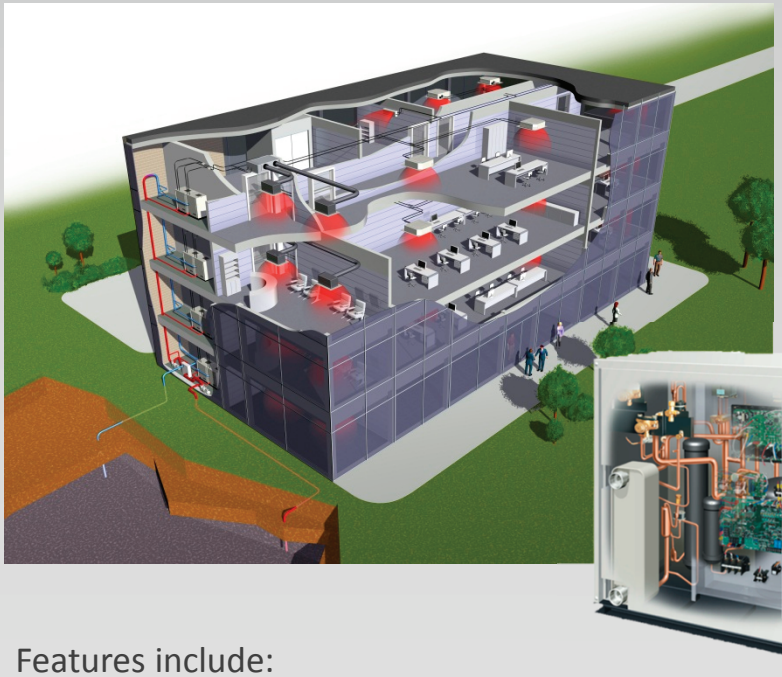
DAIKIN AC
absolute comfort

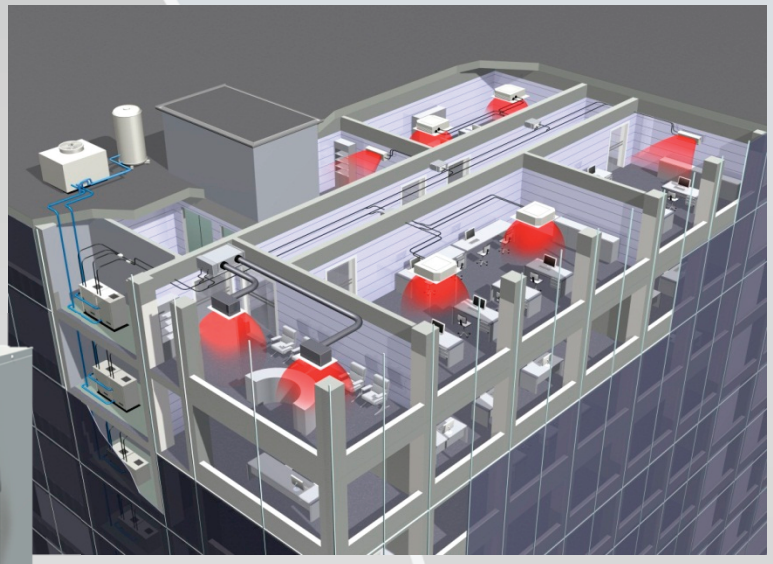
VRV-WIII – 460V

NEW!

RWEYQ_PYDN

The Daikin water-cooled VRV (VRV-WIII) offers an energy saving alternative to traditional centralized equipment. Its remarkably compact and lightweight structure, modular concept and zoning capabilities makes installation of VRV technology in small and large buildings possible.

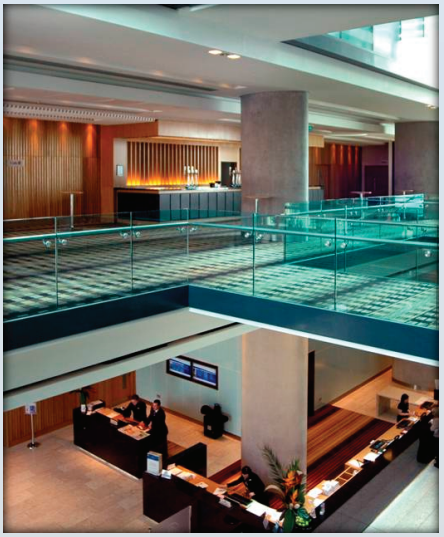




Features include:

- The flexibility to be applied in a multitude of applications with system capacities ranging from 6 – 21 tons, up to 32 individual cooling and heating zones and both 208/230V and 460V 3-phase power supply available
- Industry leading efficiency with IEER values up to 24.1 and full load COP's up to 4.97
- Higher operational efficiency can be realized with 2 stage heat recovery via the refrigerant and water circuits
- Can be applied to both geothermal and boiler tower applications as standard with water temperature as low as 14°F in Heating and 27°F in Cooling is possible
  - Business investment tax credit is possible when used in a geothermal application
- Modular concept and unified heat recovery or heat pump condensing units allows for cost effective staged new construction installation or building refurbishment
- Built-in reliability with Daikin's unique "variable speed" scroll compressor & auto test feature at commissioning

AHRI CERTIFIED™
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230



RWEYQ_PYDN Technical Specifications							
Model Name	CU	RWEYQ72PYDN	RWEYQ84PYDN	RWEYQ144PYDN	RWEYQ168PYDN	RWEYQ216PYDN	RWEYQ252PYDN
Nominal Capacity (Cooling / Heating)	Btu/h	72,000 / 81,000	84,000 / 94,500	144,000 / 162,000	168,000 / 189,000	216,000 / 243,000	252,000 / 283,500
EER (Ducted / Non-Ducted)		14 / 14	13.2 / 13.4	14.4 / 14.6	12.7 / 12.7	14.5 / 14.5	12.8 / 12.8
IEER (Ducted / Non-Ducted)		22.3 / 24.1	21.3 / 22.5	22.3 / 23.7	21.3 / 23.1	22.2 / 22.7	20 / 21.5
COP (Ducted / Non-Ducted)		4.89 / 4.89	4.5 / 4.7	4.97 / 4.97	4.38 / 4.38	4.91 / 4.8	4.48 / 4.48
Power Supply		460V - 3Ø - 60Hz					
Minimum Circuit Amps	A	10.2	10.2	10.2 + 10.2	10.2 + 10.2	10.2 + 10.2 +10.2	10.2 + 10.2 +10.2
Maximum Overcurrent Protection	A	15	15	15 + 15	15 + 15	15 + 15 + 15	15 + 15 + 15
Connection Ratio		50 - 130%					
Number of Connectable Indoor Units		12	14	20	20	22	32
Total System Piping Length	ft. (m)	980 (300)					
Actual System Piping Length	ft. (m)	390 (120)					
Equivalent System Piping Length	ft. (m)	459 (140)					
Vertical Separation (IU to IU)	ft. (m)	49.2 (15)					
Vertical Separation (IU Above CU)	ft. (m)	164 (50)					
Vertical Separation (IU Below CU)	ft. (m)	130 (40)					
Std. EWT Range – Cooling	°F DB	50 - 113					
Geo EWT Range – Cooling	°F DB	27 (34**) - 113					
Std. EWT Range - Heating	°F DB	50 - 113					
Geo EWT Range - Heating	°F DB	14 - 113					
Water Flow Rate per Module (min)	gpm	16.4 – 39.5 (13.2)***					
Dimensions (H x W x D)	in.	39-3/8 x 30-3/4 x 21-11/16		(39-3/8 x 30-3/4 x 21-11/16) x 2		(39-3/8 x 30-3/4 x 21-11/16) x 3	
Net Weight	lbs.	343	343	343 + 343	343 + 343	343 + 343+ 343	343 + 343+ 343

* Application rules apply below 48°F please contact your local Daikin office for design assistance and approval

** The minimum cooling EWT is 34°F when the condensing unit is located below the indoor units

*** Minimum water flow rate for applications under 50°F is 21gpm per module , please note that a water strainer is required for each condensing unit model and now must be field supplied (strainer specification = 50 mesh)

www.daikinac.com

For More Information:

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For all equipment installation & application limitations please refer to the specific Engineering Data Books.
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