



VRV III-S

VRV III

VRV-WII

OUTDOOR UNITS

Air-Cooled VRV®

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SHAPING THE AIR TO YOUR NEED

VRV® air conditioning, pioneered by Daikin Industries in Japan in 1982, was introduced to Europe by Daikin Europe in 1987. Already widely known in Japan for some 5 years, the system nevertheless, revolutionised European air conditioning and rapidly achieved a position of dominance within the industry. Since then, Daikin has developed the VRV®'s operational scope and performance to a point where it is now recognised throughout the industry as **the 'benchmark' in commercial air conditioning.**

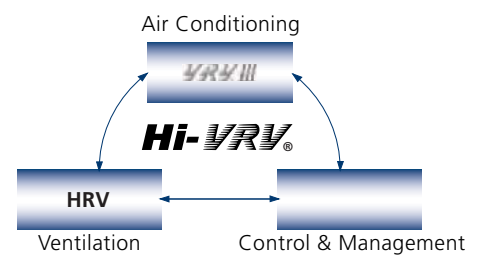
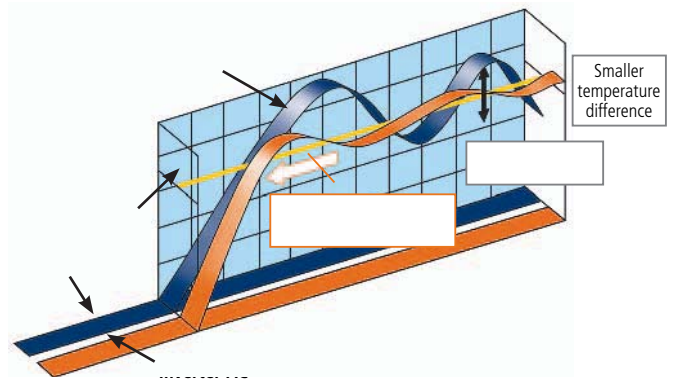
The first great leap forward in system development came in 1990 when Daikin incorporated **inverter control** into its heat pump VRV®, the advent of inverter capacity control increasing system flexibility and efficiency 'at a stroke' by enabling compressor output to be modulated to match the cooling or heating demand of the conditioned space.

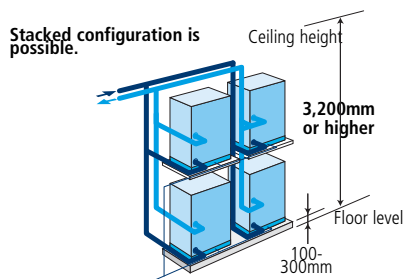
A further development came in 1991 with the introduction of the first heat recovery VRV®, extended the following year by the **Hi-VRV® system**, which also incorporated fresh air supply and computerised system management.

In the late '90s, the need to phase out HCFC refrigerant R-22 refrigerant began to concern the market and after considerable research and component redesign, Daikin introduced its fully optimised, **HFC R-407C** system, a heat recovery model appearing in 2001. Perceived by Daikin solely as an interim solution to the refrigerant problem, the R-407C VRV® nevertheless, represented a valuable medium term step towards an eventual move away from HCFCs.

Commercial air conditioning technology advanced yet again in 2003 with the introduction of VRV®II – the world's first **HFC R-410A** operated system of this type. Available in both heat pump and heat recovery formats and loaded with new features, VRV®II represented a considerable advance over earlier systems

VRV® 25years ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ SHAPING AIR TO YOUR NEED





In 2004, the **mini VRV®III-S** was launched. Operating on single-phase electricity supply, the system quickly became a firm favourite for application to smaller commercial and large residential apartment projects.

Until 2005, all VRV® systems had been air-cooled but the introduction of the **water-cooled VRV®-WII** extended the VRV®'s application potential by leaps and bounds. Designed for use in new and existing high rise commercial buildings or projects lacking roof or external space for outdoor units, the system is also ideal for use where over stringent noise regulations apply.

Even the advent of the water-cooled version however, does not bring the story up to date. At the end of 2006, Daikin introduced the third generation **VRV®III**. Available in heat pump, cooling only and heat recovery variants, the system incorporates all the best features of VRV®II plus a number of innovative design, installation and maintenance refinements.

Further developments in 2007 and 2008 saw the introduction of a special '**high ambient**' VRV® for use in Middle East markets and also a '**cold region**' VRV® designed to suit the colder climates of Northern Europe.

Clearly, the latest advanced VRV® system has come far since its early days and can now rightfully claim to be the most energy efficient, economic to run, user friendly, reliable and flexible air conditioning system of its type on the market today.

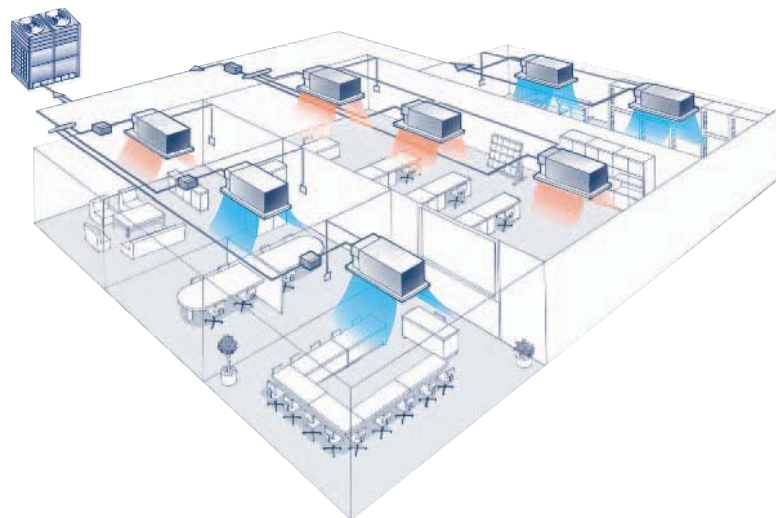


REYQ8-48P8Y1B

VRV[®]III Heat Recovery



REYQ46-48P8Y1B



- Its operation range for example 8hp to 48hp in 2hp increment steps (21 system combinations), is wider than any of its contemporaries.
- Its ability to run no less than 64 indoor units in heat recovery format cannot at present be matched by other comparable systems.
- Increased EER/COP
- Continuous heating (resulting in a higher integrated heating capacity).
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- The ability to control each conditioned zone keeps VRV[®]III system running costs to an absolute minimum.
- Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms.
- Quick cool/heat change over.
- Improved refrigerant containment check
- Extra low noise during night time operation (step 1: 50 dBA; step 2: 45 dBA).
- Possibility to extend the operation range in cooling down to -20°C

REYQ-P8		8	10	12	14	16	18	20	22	24	26	28
Modules	REYQ8P8	1					Not Applicable					
	REYQ10P8		1									
	REYQ12P8			1								
	REYQ14P8				1							
	REYQ16P8					1						
Modules	REMQ8P8	Not Applicable					1	1				
	REMQ10P8	Not Applicable					1		1		1	
	REMQ12P8	Not Applicable						1	1	2		1
	REMQ14P8	Not Applicable										
	REMQ16P8	Not Applicable									1	1
Number of outdoor units		1	1	1	1	1	2	2	2	2	2	2

REYQ-P8		30	32	34	36	38	40	42	44	46	48
Modules	REYQ8P8	Not Applicable									
	REYQ10P8										
	REYQ12P8										
	REYQ14P8										
	REYQ16P8										
Modules	REMQ8P8			1	1						
	REMQ10P8			1		1		1			
	REMQ12P8				1	1	2		1		
	REMQ14P8	1								1	
	REMQ16P8	1	2	1	1	1	1	2	2	2	3
Number of outdoor units		2	2	3	3	3	3	3	3	3	3



REYQ8-48P8Y1B

VRV[®]III Heat Recovery

HEAT RECOVERY

REYQ-P8			8	10	12	14	16
Capacity range		HP	-				
Capacity	Cooling	kw	22,4	28,0	33,5	40,0	45,0
	Heating	kw	25,0	31,5	37,5	45,0	50,0
Dimensions	(Height x Width x Depth)	mm	1.680x1.300x765				
Weight		kg	331			339	
Refrigerant			R-410A				
Power Supply			3~/380-415V/50Hz				
Max n° of indoor units to be connected			-				
Piping connections	Liquid (OD)/Gas	mm	9,52 / 19,1	9,52 / 22,2	12,7 / 28,6		

HEAT RECOVERY

REYQ-P8			18	20	22	24	26	28	30	32	
Capacity range		HP	-								
Capacity	Cooling	kw	50,4	55,9	61,5	67,0	73,0	78,5	85,0	90,0	
	Heating	kw	56,5	62,5	69,0	75,0	81,5	87,5	95,0	100,0	
Dimensions	(Height x Width x Depth)	mm	1.680x930 + 930x765				1.680x930 + 1.240x765		1.680x1.240 + 1.240x765		
Weight		kg	204 + 254		254 + 254		254 + 334		334 + 334		
Refrigerant			R-410A								
Power Supply			3~/380-415V/50Hz								
Max n° of indoor units to be connected			-								
Piping connections	Liquid (OD)/Gas	mm	15,9 / 28,6			15,9 / 34,9		19,1 / 34,9			

HEAT RECOVERY

REYQ-P8			34	36	38	40	42	44	46	48	
Capacity range		HP	-								
Capacity	Cooling	kw	95,4	101,0	107,0	112,0	118,0	124,0	130,0	135,0	
	Heating	kw	107,0	113,0	119,0	125,0	132,0	138,0	145,0	150,0	
Dimensions	(Height x Width x Depth)	mm	1.680x930 + 930 + 1.240x765				1.680x930 + 1.240 + 1.240x765		1.680x1.240 + 1.240 + 1.240x765		
Weight		kg	204 + 254 + 334		254 + 254 + 334		254 + 334 + 334		334 + 334 + 334		
Refrigerant			R-410A								
Power Supply			3~/380-415V/50Hz								
Max n° of indoor units to be connected			-								
Piping connections	Liquid (OD)/Gas	mm	19,1 / 34,9			19,1 / 41,3					

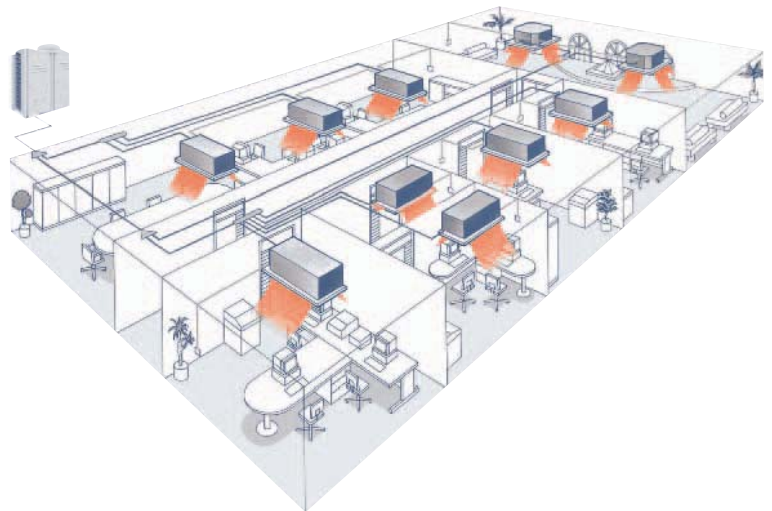


RXYQ5-54P7W1B(A)

VRV[®]III Inverter Heat Pump Small Footprint Combination



RXYQ44-46-48P7W1B(A)



- Increased outdoor unit capacity up to 54 HP
- Wide range of indoor units: 13 different models in a total of 75 variations
- Flexible combination of outdoor units: small footprint combination, high COP combination or any other combination of your choice
- Compact size of outdoor units
- Increased EER/COP
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- In line with RoHS
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Quiet operation
- Leak detection function

RXYQ-P(A)		RXYQ20P7W1B	RXYQ22P7W1B	RXYQ24P7W1B	RXYQ26P7W1BA	RXYQ28P7W1BA	RXYQ30P7W1BA	RXYQ32P7W1BA	RXYQ34P7W1BA	RXYQ36P7W1BA
Modules	RXYQ8P7W1B	1			1					
	RXYQ10P7W1B		1			1				
	RXYQ12P7W1B	1	1	2			1			
	RXYQ14P7W1BA							1		
	RXYQ16P7W1BA								1	
	RXYQ18P7W1BA					1	1	1	1	1

RXYQ-P(A)		RXYQ38P7W1BA	RXYQ40P7W1BA	RXYQ42P7W1BA	RXYQ44P7W1BA	RXYQ46P7W1BA	RXYQ48P7W1BA	RXYQ50P7W1BA	RXYQ52P7W1BA	RXYQ54P7W1BA
Modules	RXYQ8P7W1B	1			1					
	RXYQ10P7W1B		1			1				
	RXYQ12P7W1B	1	1	2			1			
	RXYQ14P7W1BA							1		
	RXYQ16P7W1BA								1	
	RXYQ18P7W1BA	1	1	1	2	2	2	2	2	2



RXYQ5-54P7W1B(A)

VRV®III Inverter Heat Pump Small Footprint Combination

HEAT PUMP

RXYQ-P(A)			5	8	10	12	14	16	18	
Capacity range		HP	5	8	10	12	14	16	18	
Capacity	Cooling	kw	14,0	22,4	28,0	33,5	40,0	45,0	49,0	
	Heating	kw	16,0	25,0	31,5	37,5	45,0	50,0	56,5	
Power input (nominal)	Cooling	kw	3,52	5,56	7,42	9,62	12,4	14,2	16,2	
	Heating	kw	4,00	5,86	7,70	9,44	11,30	12,90	15,30	
Dimensions	(Height x Width x Depth)		1680x635x765			1680x930x765		1680x1,240x765		
Weight		kg	159	187	240		316		324	
Sound Level	Sound Power	Cooling	72		78		80		83	
	Sound Pressure	Cooling	54		57		58		63	
Operation Range	Cooling	Min~Max	-5,0~43,0							
	Heating	Min~Max	-20,0~15,0							
Refrigerant			R-410A							
Power Supply			3N~/400V/50Hz							
Max n° of indoor units to be connected			8	13	16	19	23	26	29	
Piping connections	Liquid (OD)/Gas	mm	9,52 / 15,9	9,52 / 19,1	9,52 / 22,2	12,7 / 28,6		15,9 / 28,6		
Max. total length			1000							

HEAT PUMP

RXYQ-P(A)			20	22	24	26	28	30	32	34	36
Capacity range		HP	20	22	24	26	28	30	32	34	36
Capacity	Cooling	kw	55,9	61,5	67,0	71,4	77,0	82,5	89,0	94,0	98,0
	Heating	kw	62,5	69,0	75,0	81,5	88,0	94,0	102,0	107,0	113,0
Power input (nominal)	Cooling	kw	15,2	17,0	19,2	21,8	23,6	25,8	28,6	30,4	32,4
	Heating	kw	15,30	17,1	18,9	21,2	23,0	24,7	26,6	28,2	30,6
Dimensions	(Height x Width x Depth)		-								
Weight		kg	-								
Sound Level	Sound Power	Cooling	-								
	Sound Pressure	Cooling	-								
Operation Range	Cooling	Min~Max	-5,0~43,0								
	Heating	Min~Max	-20,0~15,0								
Refrigerant			R-410A								
Power Supply			3N~/400V/50Hz								
Max n° of indoor units to be connected			32	35	39	42	45	49	52	55	58
Piping connections	Liquid (OD)/Gas	mm	15,9 / 28,6		15,9/34,9		19,1 / 34,9				19,1 / 41,3
Max. total length			1000								

HEAT PUMP

RXYQ-P(A)			38	40	42	44	46	48	50	52	54	
Capacity range		HP	38	40	42	44	46	48	50	52	54	
Capacity	Cooling	kw	105,0	111,0	116,0	120,0	126,0	132,0	138,0	143,0	147,0	
	Heating	kw	119,0	126,0	132,0	138,0	145,0	151,0	158,0	163,0	170,0	
Power input (nominal)	Cooling	kw	31,4	33,2	35,4	38,0	39,8	42,0	44,8	46,6	48,6	
	Heating	kw	30,6	32,4	34,2	36,5	38,3	40,0	41,9	43,5	45,9	
Dimensions	(Height x Width x Depth)		-									
Weight		kg	-									
Sound Level	Sound Power	Cooling	-									
	Sound Pressure	Cooling	-									
Operation Range	Cooling	Min~Max	-5,0~43,0									
	Heating	Min~Max	-20,0~15,0									
Refrigerant			R-410A									
Power Supply			3N~/400V/50Hz									
Max n° of indoor units to be connected			61								64	
Piping connections	Liquid (OD)/Gas	mm	19,1									
Max. total length			1000									



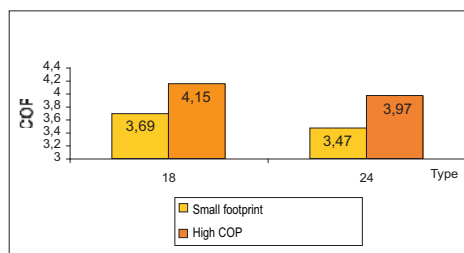
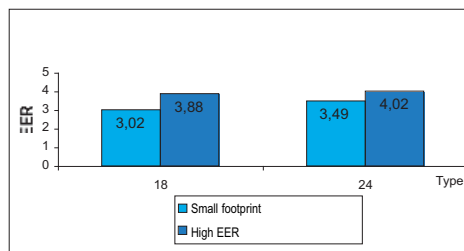
RXYQ16-36P7W1B

VRV[®]III Inverter Heat Pump High COP Combination



RXQ8-10-12P7W1B

- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact size of outdoor units
- Increased EER/COP
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- In line with RoHS
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Quiet operation
- Leak detection function



RXYQ-P	RXYQ16P7W1B	RXYQ18P7W1B	RXYQ20P7W1B	RXYQ22P7W1B	RXYQ24P7W1B	RXYQ26P7W1B	RXYQ30P7W1B	RXYQ30P7W1B	RXYQ32P7W1B	RXYQ34P7W1B	RXYQ36P7W1B
Modules	RXYQ8P7W1B	2	1			3	2	1		1	
	RXYQ10P7W1B		1	2	1		1	2	3		1
	RXYQ12P7W1B				1				2	2	3

HEAT PUMP

RXYQ-P			16	18	20	22	24	26	28	30	32	34	36	
Capacity range		HP	16	18	20	22	24	26	28	30	32	34	36	
Capacity	Cooling	kw	44,8	50,4	56,0	61,5	67,2	72,8	78,4	84,0	89,4	95,0	101,0	
	Heating	kw	50,0	56,5	63,0	69,0	75,0	81,5	88,0	94,5	100,0	107,0	113,0	
Power input (nominal)	Cooling	kw	11,1	13,0	14,8	17,0	16,7	18,5	20,4	22,3	24,8	26,7	28,9	
	Heating	kw	11,7	13,6	15,4	17,1	18,9	19,4	21,3	23,1	24,7	26,6	28,3	
Dimensions	(Height x Width x Depth)	mm												
Operation Range	Cooling	Min~Max	°CDB											
	Heating	Min~Max	°CWB											
Refrigerant			R-410A											
Power Supply			3N~/400V/50Hz											
Max n° of indoor units to be connected			26	29	32	35	39	42	45	48	52	55	58	
Piping connections	Liquid (OD)/Gas	mm	12,7 / 28,6		15,9 / 28,6			15,9 / 34,9		19,1 / 34,9				19,1 / 41,3
Max total length		m	1000											



RXYSQ4-6PA7Y1B

VRV[®]III-S Inverter Heat Pump

- High COP values
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Super wide range of indoor units
- Power consumption limit setting
- Silent operation
- Small capacities - 4, 5 & 6HP
- Slim & flexible design
- Space saving outdoor unit



RXYSQ4-5-6PA7Y1B

HEAT PUMP

Outdoor Unit				RXYSQ4PA7Y1B	RXYSQ5PA7Y1B	RXYSQ6PA7Y1B
Capacity range		HP	4	5	6	
Capacity	Cooling	kw	11,2	14,0	15,5	
	Heating	kw	12,5	16,0	18,0	
Dimensions (Height x Width x Depth)		mm	1.345x900x320			
Weight		kg	120			
Sound Level	Sound Power	Cooling	66	67	69	
		Heating	50	51	53	
	Sound Pressure	Heating	52	53	55	
Operation Range	Cooling	Min~Max	°CDB -5~46			
	Heating	Min~Max	°CWB -20~15,5			
Refrigerant			R-410A			
Power Supply			3N~/380-415V/50Hz			
Max n° of indoor units to be connected			6	8	9	
Piping connections	Liquid (OD)/Gas/Drain	mm	9,52 / 15,9 / 26 x 3			
Max total length		m	300			



RXYSQ4-6PA7V1B

VRV[®]III-S Inverter Heat Pump

- High COP values
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Super wide range of indoor units
- Power consumption limit setting
- Silent operation
- Small capacities - 4, 5 & 6HP
- Slim & flexible design
- Space saving outdoor unit



RXYSQ4-5-6PA7V1B

HEAT PUMP

Outdoor Unit				RXYSQ4PA7V1B	RXYSQ5PA7V1B	RXYSQ6PA7V1B
Capacity range			HP	4	5	6
Capacity	Cooling		kw	11,2	14,0	15,5
	Heating		kw	12,5	16,0	18,0
Dimensions (Height x Width x Depth)			mm	1.345x900x320		
Weight			kg	120		
Sound Level	Sound Power	Cooling	dBA	66	67	69
		Heating	dBA	50	51	53
	Sound Pressure	Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15,5		
Refrigerant				R-410A		
Power Supply				1N~/220-240V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain	mm		9,52 / 15,9 / 26 x 3		9,52 / 19,1 / 26 x 3
Max total length			m	300		



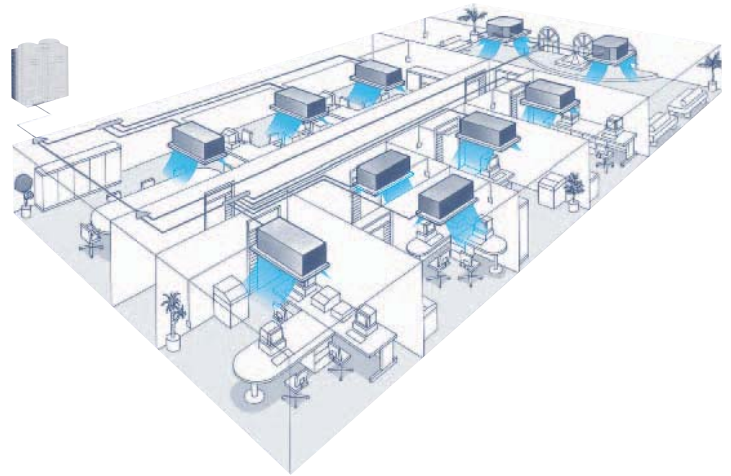
RXQ5-18P7W1B(A)

VRV[®]III Inverter Cooling Only

- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact size of outdoor units
- Increased EER/COP
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- In line with RoHS
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Quiet operation
- Leak detection function

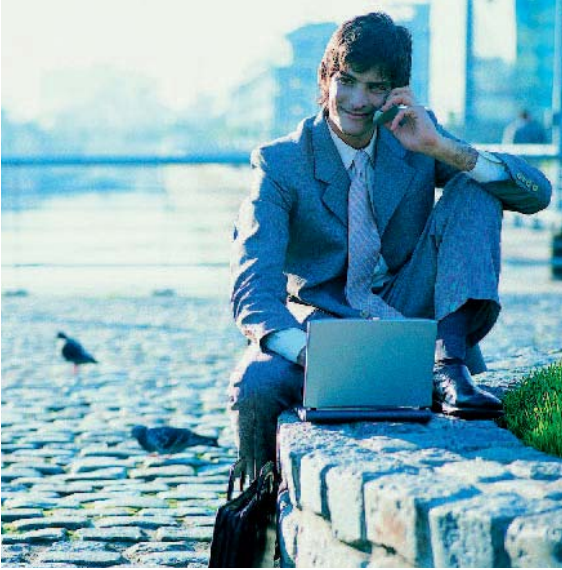


RXQ5P7W1B



COOLING ONLY

RXQ-P(A)				5	8	10	12	14	16	18	
Capacity range		HP		5	8	10	12	14	16	18	
Capacity		kw		14,0	22,4	28,0	33,5	40,0	45,0	49,0	
Power input (nominal)		kw		3,52	5,56	7,42	9,62	12,4	14,2	16,2	
Dimensions		(Height x Width x Depth)	mm	1.680x635x765			1.680x930x765		1.680x1.240x765		
Weight		kg		157	185	238		314		322	
Sound Level		Sound Power	Cooling	72		78		80		83	
		Sound Pressure	Cooling	54	57	58	60		63		
Operation Range		Cooling	Min~Max	CDB						-5,0~43,0	
Refrigerant		R-410A									
Power Supply		3N~/400V/50Hz									
Max n° of indoor units to be connected				8	13	16	19	23	26	29	
Piping connections		Liquid (OD)/Gas	mm	9,52 / 15,9		9,52 / 19,1		9,52 / 22,2		12,7 / 28,6	
										15,9 / 28,6	



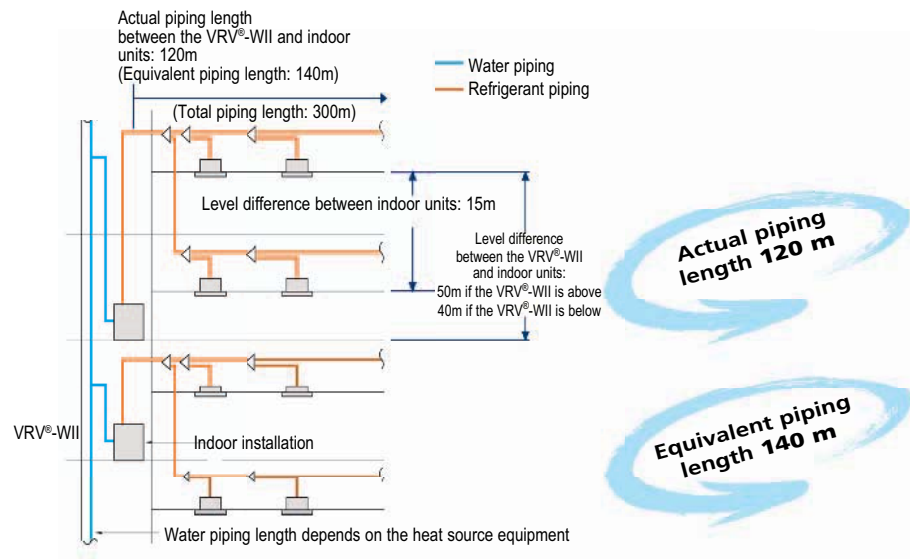
RWEYQ10-30MY1

Water Cooled VRV®

- Wide condensing unit range: 10, 20 & 30HP via 1 single refrigerant circuit
- High COP values: 5.21 nominal value
- Up to 32 indoor units connectable to a 30HP condensing unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact design
- Operation range (inlet water temperature): 10-45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Flexible piping length



RWEYQ10MY1



HEAT RECOVERY

RWEYQ-MY1			RWEYQ10MY1	RWEYQ20MY1	RWEYQ30MY1
Capacity range		HP			
Capacity	Cooling	kw			
	Heating	kw			
Power input (Nominal)	Cooling	kw			
	Heating	kw			
Dimensions	(Height x Width x Depth)	mm			
Weight		kg			
Sound Level	Sound Pressure	Cooling	dB(A)		
Refrigerant					
Power Supply					
Max n° of indoor units to be connected					
Piping connections	Liquid (OD)/Gas	mm			



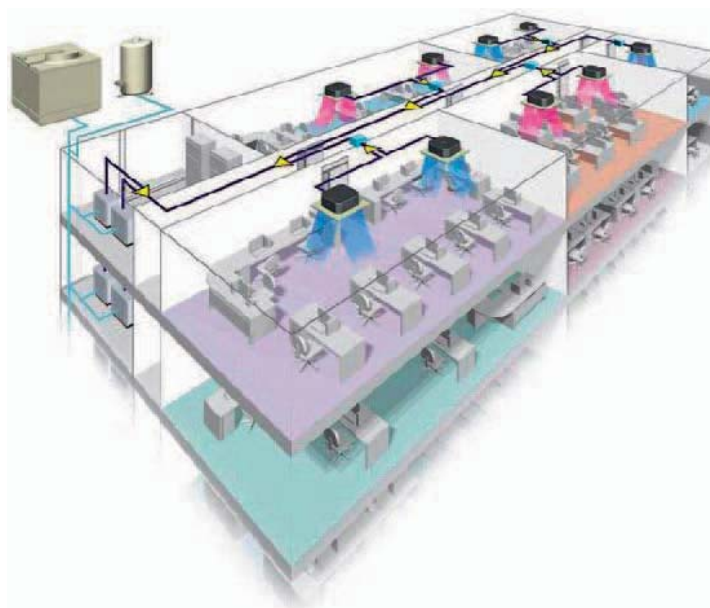
RWEYQ10-30MY1

Water Cooled VRV®

- Wide condensing unit range: 10, 20 & 30HP via 1 single refrigerant circuit
- High COP values: 5.21 nominal value
- Up to 32 indoor units connectable to a 30HP condensing unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact design
- Operation range (inlet water temperature): 10-45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Flexible piping length



RWEYQ10MY1



HEAT PUMP

RWEYQ-MY1				RWEYQ10MY1	RWEYQ20MY1	RWEYQ30MY1
Capacity range		HP	10	20	30	
Capacity	Cooling	kw	26,70	53,40	80,10	
	Heating	kw	31,50	63,00	94,50	
Power input (nominal)	Cooling	kw	6,03	12,10	18,10	
	Heating	kw	6,05	12,10	18,20	
Dimensions	(Height x Width x Depth)	mm	1000x780x550			
Weight		kg	150	300	450	
Sound Level	Sound Pressure	Cooling	dBA	51,0	54,0	56,0
Refrigerant				R-410A		
Power Supply				3~/380-415V/50Hz		
Max n° of indoor units to be connected			16	20	32	
Piping connections	Liquid (OD)	mm	9,52	15,9	19,1	



FXFQ-P7VEB

Round Flow Cassette



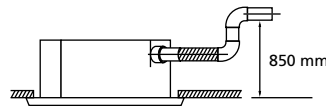
BRC1D52

BRC7F533/FS32

FXFQ-P7VEB

- Modern style decoration panel in white (RAL9010)
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling
- 23 different air flow patterns possible

- Fresh air intake: up to 20 %
- Reduced installation height: 214mm for class 20-63
- Easy visible drain check thanks to clear drain socket
- Drain-up pump with 850 mm filtered as standard.



FXFQ-P7VEB

Indoor Units			20	25	32	40	50	63	80	100	125	
Capacity	Cooling	kw	2,2	2,8	3,6	4,5	5,6	7,1	9,0	11,2	14,0	
	Heating	kw	2,5	3,2	4,0	5,0	6,3	8,0	10,0	12,5	16,0	
Power Input	Cooling	kw	0,053			0,063	0,083	0,095	0,120	0,173	0,258	
	Heating	kw	0,045			0,055	0,067	0,114	0,108	0,176	0,246	
Dimensions	(Height x Width x Depth)		204x840x840				246x840x840			288x840x840		
Weight	kg		20,0			21,0			24,0		26,0	
Air Flow Rate	Cooling	High/Low	m³/min			12,5 / 9,0	13,5 / 9,0	15,5 / 10,0	16,5 / 11,0	23,5 / 14,5	26,5 / 17,0	33,0 / 20,0
	Heating	High/Low	m³/min			12,5 / 9,0	13,5 / 9,0	15,0 / 9,5	17,5 / 12,0	23,5 / 14,5	28,0 / 17,5	33,0 / 20,0
Sound power (nominal)	Cooling		dBA			49	50	51	52	55	58	61
	Heating	High/Low	dBA			31 / 28	32 / 28	33 / 28	34 / 29	38 / 32	41 / 33	44 / 34
Sound Pressure	Cooling	High/Low	dBA			31 / 28	32 / 28	33 / 28	34 / 29	38 / 32	41 / 33	44 / 34
	Heating	High/Low	dBA			31 / 28	32 / 28	33 / 28	36 / 30	38 / 32	42 / 34	44 / 34
Refrigerant			R-410A									
Power Supply			1~/220-240/220V/50/60Hz									
Piping connections	Liquid (OD)	Flare connection ø6.35					Flare connection ø9.52					
	Gas	Flare connection ø12.7					Flare connection ø15.9					
Drain			VP25 (I.D. 25/O.D. 32)									
Heat Insulation			Foamed polystyrene/foamed polyethylene									
Sound absorbing insulation			(Foamed Polyurethane)									



FXCQ-M8V3B

2-way Blow Ceiling Mounted Cassette

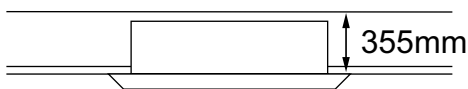


BRC1D52

BRC7C67/C62

FXCQ20,25,32M8V3B

- Compact dimensions, can easily be mounted in a ceiling void of only 355mm



- Easy to install: depth of all units is 600mm
- Auto-swing function ensures efficient air and temperature distribution and prevents ceiling soiling,
- Quiet operation
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Easy to clean flat suction grille



FXCQ-M8V3B

Indoor Units			20	25	32	40	50	63	80	125	
Capacity	Cooling	kw	2,20	2,80	3,60	4,50	5,60	7,10	9,00	14,00	
	Heating	kw	2,50	3,20	4,00	5,00	6,30	8,00	10,00	16,00	
Power Input	Cooling	kw	0,077	0,092		0,130		0,161	0,209	0,256	
	Heating	kw	0,044	0,059		0,097		0,126	0,176	0,223	
Dimensions	(Height x Width x Depth)		mm 305x780x600			305x995x600		305x1180x600	305x1670x600		
Weight			kg 26			31	32	35	47	48	
Air Flow Rate	Cooling	High/Low	m ³ /min	7,0 / 5,0	9,0 / 6,5		12,0 / 9,0	16,5 / 13,0	26,0 / 21,0	33,0 / 25,0	
	Heating	High/Low	m ³ /min	7,0 / 5,0	9,0 / 6,5		12,0 / 9,0	16,5 / 13,0	26,0 / 21,0	33,0 / 25,0	
Sound power (nominal)	Cooling		dB(A)	45,0	50,0		52,0	54,0	60,0	60,0	
Sound Pressure	Cooling	High/Low	dB(A)	33,0 / 28,0	35,0 / 29,0		35,5 / 30,5	38,0 / 33,0	40,0 / 35,0	45,0 / 39,0	
	Heating	High/Low	dB(A)	33,0 / 28,0	35,0 / 29,0		35,5 / 30,5	38,0 / 33,0	40,0 / 35,0	45,0 / 39,0	
Refrigerant			R-410A								
Power Supply			1~/230V/50Hz								
Piping connections	Liquid (OD)					Flare connection ø6.35			Flare connection ø9.52		
	Gas					Flare connection ø12.7			Flare connection ø15.9		
Drain			32								
Heat Insulation			Both liquid and gas pipes								
Decoration panel	Model					BYBC32GJW1	BYBC50GJW1	BYBC63GJW1	BYBC125GJW1		
	Colour							White (10Y9/0,5)			
HeightxWidthxD	mm					53x1030x680	53x1256x680	53x1430x680	53x1920x680		
Weight	kg					8,0	8,5	9,5	12,0		



FKKQ-MAVE

Ceiling Mounted Corner Cassette



BRC1D52

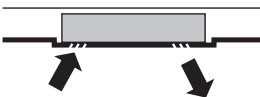
BRC4C63/C61

FXKQ63MAVE

- Slim design for flexible installation
- Auto-swing function ensures efficient air and temperature distribution,
- Choice between 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both

- Leaves maximum floor and wall space for furniture, decorations and fittings

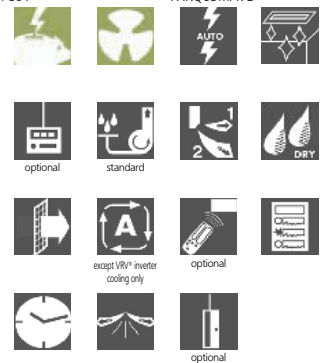
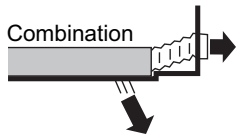
Downward discharge



Frontal discharge



Closed decoration panel



FKKQ-MAVE

Indoor Units			FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE	
Capacity	Cooling	kw	2,80	3,60	4,50	7,10	
	Heating	kw	3,20	4,00	5,00	8,00	
Power Input	Cooling	kw	0,066		0,076	0,105	
	Heating	kw	0,046		0,056	0,085	
Dimensions	(Height x Width x Depth)		mm			215x1110x710	
Weight			kg			31	
Air Flow Rate	Cooling	High/Low	m ³ /min		11,00 / 9,00	13,00 / 10,00	
Sound Pressure	Cooling	High/Low	dBA		38,0 / 33,0	40,0 / 34,0	
Refrigerant			R-410A				
Power Supply			1~/220-240V/50Hz				
Piping connections	Liquid (OD)			Flare connection ø6.35		Flare connection ø9.52	
	Gas			Flare connection ø12.7		Flare connection ø15.9	
	Drain			32			
	Heat Insulation			Foamed Polyethylene			
Decoration panel	Model			BYK45FJW1		BYK71FJW1	
	Colour			White			
	HeightxWidthxDepth	mm			70x1240x800	70x1440x800	
Weight			kg		8,4	9,5	



FXDQ-M8V3B

Concealed Ceiling Unit (Small)

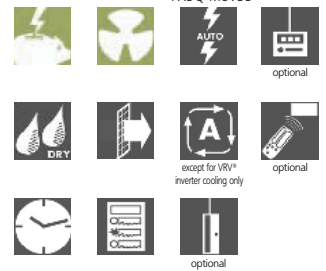


BRC1D52

BRC4C64/C62

FXDQ-M8V3B

- Designed for hotel bedrooms
- Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Extremely quiet in operation both indoors and outdoors
- The air suction direction can be altered from rear to bottom suction
- Air suction filter fitted as standard
- For easy mounting, the drain pan can be located to the left or the right of the unit.



FXDQ-M8V3B

Indoor Units			FXDQ20M8V3B	FXDQ25M8V3B
Capacity	Cooling	kw	2,20	2,80
	Heating	kw	2,50	3,20
Power Input	Cooling	kw		0,050
	Heating	kw		0,050
Dimensions	(Height x Width x Depth)		mm	
Weight			kg	
Air Flow Rate	Cooling	High/Low	m ³ /min	6,70 / 5,20
	Heating	High/Low	m ³ /min	6,70 / 5,20
Sound power (nominal)	Cooling		dBA	50,0
Sound Pressure	Cooling	High/Low	dBA	37,0 / 32,0
	Heating	High/Low	dBA	37,0 / 32,0
Refrigerant			R-410A	
Power Supply			1~/230V/50Hz	
Piping connections	Liquid (OD)		6,35	
	Gas		12,7	
	Drain		27,2	



FXDQ-PVE/NAVE

Slim Concealed Ceiling Unit

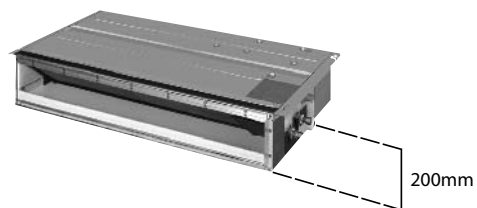


BRC1D52

BRC4C64/C62

FXDQ20-32PVE

- Slim design for flexible installation



- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Quiet operation: down to 29 dBA sound pressure level
- Blends unobtrusively with any interior décor
- Can be installed in both new and existing buildings.
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths



FXDQ-PVE/FXDQ-NAVE

Indoor Units				FXDQ20PVE	FXDQ25NAVE	FXDQ35NAVE	FXDQ40NAVE	FXDQ50NAVE	FXDQ63NAVE	
Capacity	Cooling		kw	2,20	2,80	3,60	4,50	5,60	7,10	
	Heating		kw	2,50	3,20	4,00	5,00	6,30	8,00	
Power Input	Cooling		kw	0,086		0,089	0,160	0,165	0,181	
	Heating		kw	0,067		0,070	0,147	0,152	0,168	
Dimensions	(Height x Width x Depth)			200x700x620			200x900x620		200x1100x620	
Weight				23,0			27,0	28,0	31,0	
Air Flow Rate	Cooling	High/Low	m³/min	8,0 / 6,4		10,50 / 8,50		12,50 / 10,00	16,50 / 13,00	
Sound Pressure	Cooling	High/Low	dBA	33,0 / 29,0		34,0 / 30,0		35,0 / 31,0	36,0 / 32,0	
Refrigerant	R-410A									
Power Supply	1~/220-240V/50Hz									
Piping connections	Liquid (OD)			Flare connection ø6.35						Flare connection ø9.52
	Gas			Flare connection ø12.7						Flare connection ø15.9
	Drain			VP20 (I,D, 20/O,D, 26)						
	Sound absorbing insulation									





FXMQ-P

Concealed Ceiling Unit



BRC1D52

BRC4C65/C66

FXMQ40P

- Leaves maximum floor and wall space for furniture, decorations and fittings
- Compact unit (a height of 300mm), allows installation in narrow ceiling voids
- More than 200 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume
- Reduction of power consumption of 20% (compared to FXMQ-MAVE series) through use of new DC fan
- Built-in drain pump (standard for sizes 40 to 125) increases reliability of the drain system
- Complete range of models (FXMQ-PVE: 4.5 - 14 kW) (FXMQ-MAVE: 22.40 - 28 kW)



FXMQ-PVE

Indoor Units			FXMQ40PVE	FXMQ50PVE	FXMQ63PVE	FXMQ80PVE	FXMQ100PVE	FXMQ125PVE	
Capacity	Cooling	kw	4,5	5,6	7,1	9,0	11,2	14,0	
	Heating	kw	5,0	6,3	8,0	10,0	12,5	16,0	
Power Input	Cooling	kw	0,194 (1) / 0,193 (2)	0,215 (1) / 0,214 (2)	0,230 (1) / 0,229 (2)	0,298 (1) / 0,297 (2)	0,376 (1) / 0,375 (2)	0,461 (1) / 0,460 (2)	
	Heating	kw	0,182	0,203	0,218	0,286	0,364	0,449	
Dimensions	(Height x Width x Depth)	mm	300x700x700			300x1.000x700		300x1.400x700	
Weight		kg	28		36		46		
Air Flow Rate	Cooling	High high High Low	m ³ /min	16 / 13 / 11	18 / 16,5 / 15	19,5 / 17,5 / 16	25 / 22,5 / 20	32 / 27 / 23	39 / 33 / 28
Refrigerant	R-410A								
Power Supply	1~/220-240/220V/50/60Hz								
Piping connections	Liquid (OD)	Flare connection ø6.35			Flare connection ø9.52				
	Gas	Flare connection ø12.7			Flare connection ø15.9				
	Drain	VP25 (I,D, 32/O,D, 25)							

Note: (1) 50Hz, 220-240V
(2) 60Hz, 220V



FXSQ-M8V3B

Concealed Ceiling Unit

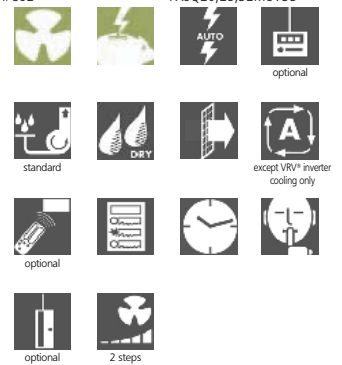


BRC1D52

BRC4C64/C62

FXSQ20,25,32M8V3B

- Blends unobtrusively with any interior décor
- Drain pump fitted as standard
- Long life filter fitted as standard
- The air suction direction can be altered from rear to bottom suction
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- High external static pressure facilitates unit use with flexible ducts of varying lengths



FXSQ-M8V3B

Indoor Units			20	25	32	40	50	63	80	100	125	
Capacity	Cooling	kw	2,20	2,80	3,60	4,50	5,60	7,10	9,00	11,20	14,00	
	Heating	kw	2,50	3,20	4,00	5,00	6,30	8,00	10,00	12,50	16,00	
Power Input	Cooling	kw	0,110		0,114	0,127	0,143	0,189	0,234	0,242	0,321	
	Heating	kw	0,090		0,094	0,107	0,123	0,169	0,214	0,222	0,301	
Dimensions	(Height x Width x Depth)		mm 300x550x800			mm 300x700x800		mm 300x1000x800		mm 300x1400x800		
Weight			kg 30			kg 31		kg 41		kg 51		
Air Flow Rate	Cooling	High/Low	m³/min 9,00 / 6,50		m³/min 9,50 / 7,00		m³/min 11,50 / 9,00		m³/min 15,00 / 11,00		m³/min 21,00 / 15,50	
	Heating	High/Low	m³/min 9,00 / 6,50		m³/min 9,50 / 7,00		m³/min 11,50 / 9,00		m³/min 15,00 / 11,00		m³/min 21,00 / 15,50	
Sound power (nominal)	Cooling	dB(A)	50,0		51,0		56,0		58,0		65,0	
Sound Pressure	Cooling	High/Low	dB(A) 32,0 / 28,0		dB(A) 33,0 / 28,0		dB(A) 33,0 / 29,0		dB(A) 35,0 / 31,0		dB(A) 35,0 / 30,0	
	Heating	High/Low	dB(A) 32,0 / 28,0		dB(A) 33,0 / 28,0		dB(A) 33,0 / 29,0		dB(A) 35,0 / 31,0		dB(A) 35,0 / 30,0	
Refrigerant			R-410A									
Power Supply			1~/230V/50Hz									
Piping connections	Liquid (OD)	mm 6,35					mm 9,52					
	Gas	mm 12,7					mm 15,9					
	Drain	mm 32										
Decoration panel	Heat Insulation	Both liquid and gas pipes										
	Model	mm	BYBS32DJW1			BYBS45DJW1		BYBS71DJW1		BYBS125DJW1		
	Colour	White (10Y9/0.5)										
	HeightxWidthxDPTH	mm	55x650x500			55x800x500		55x1100x500		55x1500x500		
Weight	kg	3			3,5		4,5		6,5			



FXMQ-MAVE

Concealed Ceiling Unit (Large)

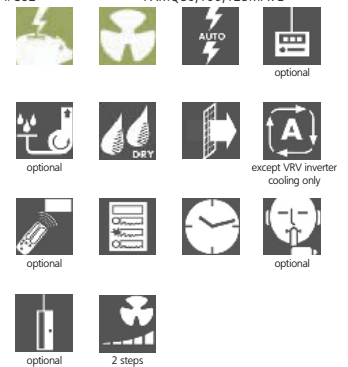
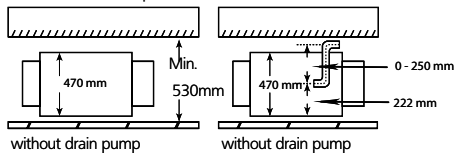


BRC1D52

BRC4C64/C62

FXMQ80,100,125MAVE

- Leaves maximum floor and wall space for furniture, decorations and fittings
- Complete range of models (5 -> 31,5 kW)
- More than 150 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Built-in drain pump (accessory): housing the drain pump inside the unit has reduced the required installation space



FXMQ-MAVE

Indoor Units			40	50	63	80	100	125	200	250	
Capacity	Cooling	kw	4,50	5,60	7,10	9,00	11,20	14,00	22,40	28,00	
	Heating	kw	5,00	6,30	8,00	10,00	12,50	16,00	25,00	31,50	
Power Input	Cooling	kw	0,211			0,284	0,411	0,619	1,294	1,465	
	Heating	kw	0,211			0,284	0,411	0,619	1,294	1,465	
Dimensions	(Height x Width x Depth)		390x720x690				390x1110x690		470x1380x1100		
Weight			44			45	63	65	137		
Air Flow Rate	Cooling	High/Low	m ³ /min			14,00 / 11,50	19,50 / 16,00	29,00 / 23,00	36,00 / 29,00	58,00 / 50,00	72,00 / 62,00
Sound Pressure	Cooling	High/Low	dBA			39,0 / 35,0	42,0 / 38,0	43,0 / 39,0	45,0 / 42,0	48,0 / 45,0	
Refrigerant			R-410A								
Power Supply			1~/220-240V/50Hz								
Piping connections	Liquid (OD)	Flare connection ø6.35			Flare connection ø9.52						
	Gas	Flare connection ø12.7			Flare connection ø15.9				Brace connection ø19.1	Brace connection ø22.2	
Drain						32			PS1B		
Heat Insulation									Glass fiber		



FXAQ-MAVE

Wall Mounted Unit

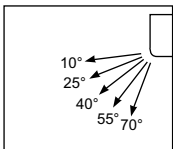


BRC1D52

BRC7E619/E618

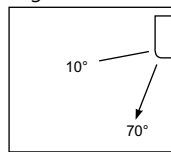
FXAQ40,50,63MAVE

- Compact design
- Fits neatly on a wall
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- 5 different discharge angles can be programmed via the remote control

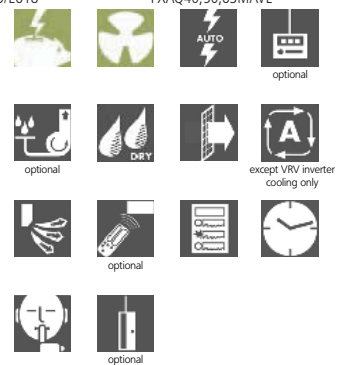


- Both horizontal flaps and front panel can easily be removed and washed

- Discharge angle automatically returns to its previous position on restart (initial setting 10 degrees for cooling and 70 degrees for heating)



- All maintenance operations can be carried out from the front of the unit



FXAQ-MAVE

Indoor Units				FXAQ20MAVE	FXAQ25MAVE	FXAQ32MAVE	FXAQ40MAVE	FXAQ50MAVE	FXAQ63MAVE
Capacity	Cooling		kw	2,20	2,80	3,60	4,50	5,60	7,10
	Heating		kw	2,50	3,20	4,00	5,00	6,30	8,00
Power Input	Cooling		kw	0,016	0,022	0,027	0,020	0,027	0,050
	Heating		kw	0,024	0,027	0,032	0,020	0,032	0,060
Dimensions	(Height x Width x Depth)		mm	290x795x230			290x1050x230		
Weight			kg	11			14		
Air Flow Rate	Cooling	High/Low	m³/min	7,50 / 4,50	8,00 / 5,00	9,00 / 5,50	12,00 / 9,00	15,00 / 12,00	19,00 / 14,00
Sound Pressure	Cooling	High/Low	dBA	35,0 / 29,0	36,0 / 29,0	37,0 / 29,0	39,0 / 34,0	42,0 / 36,0	46,0 / 39,0
Refrigerant	R-410A								
Power Supply	1~/220-240V/50Hz								
Piping connections	Liquid (OD)	Flare connection ø6.35						Flare connection ø9.52	
	Gas	Flare connection ø12.7						Flare connection ø15.9	
Drain	18								
Heat Insulation	Foamed polystyrene/foamed polyethylene								



FXUQ-MAV1

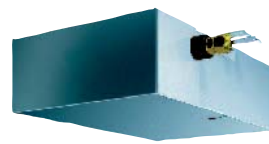
4-way Blow Ceiling Suspended Cassette



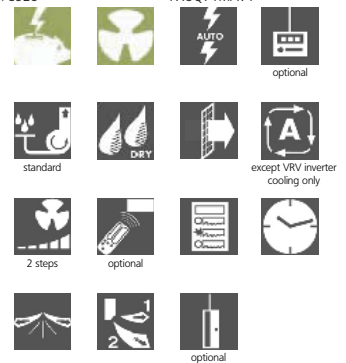
BRC1D52

BRC7C529/C528

FXUQ71MAV1



BEVQ-MA



- Can be installed in both new and existing buildings.
- Group control with other VRV indoor units possible
- Cool heat selection
- Prevention of cold draught at hot start, defrost and oil return in heating
- 5m maximum distance between FXUQ unit and junction box
- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- Air can be discharged at 5 different angles between 0 and 60 degrees
- Air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated.

FXUQ-MAV1

Indoor Units			FXUQ71MAV1	FXUQ100MAV1	FXUQ125MAV1
Power Input	Cooling	kw	0,180		0,289
	Heating	kw	0,160		0,269
Dimensions	(Height x Width x Depth)		165x895x895		230x895x895
Weight		kg	25		31
Air Flow Rate	Cooling	High/Low	19,00 / 14,00		29,00 / 21,00
		High/Low	19,00 / 14,00		32,00 / 23,00
Sound power (nominal)	Cooling	High/Low	56,0		59,0
		High/Low	40,0 / 35,0		43,0 / 38,0
Sound Pressure	Cooling	High/Low	40,0 / 35,0		43,0 / 38,0
		High/Low	40,0 / 35,0		44,0 / 39,0
Refrigerant			R-410A		
Power Supply			1~/220-240V/50Hz		
Piping connections	Liquid (OD)		9,52		
	Gas		15,9		
	Drain		I.D. 20/O.D. 26		
Heat Insulation			Heat resistant foamed polyethylene, regular foamed polyethylene		
Combination with junction box			BEVQ71M	BEVQ100M	BEVQ125M

BEVQ-MA

			71	100	125
Dimensions	(Height x Width x Depth)	mm	100x350x225		
Weight		kg	43,0 / 38,0	43,0 / 38,0	43,0 / 38,0
Casing			Galvanised steel plate		
Power supply			1~, 50Hz, 220-240V		



FXNQ-MAVE

Concealed Floor Standing Unit

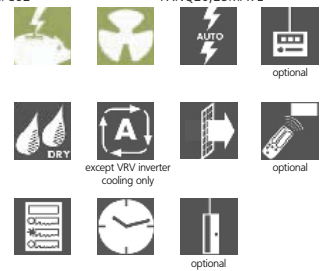


BRC1D52

BRC4C64/C62

FXNQ20,25MAVE

- Ideal for installation beneath a window
- All models are available with remote control
- Long life filter fitted as standard
- Requires very little installation space
- The connecting port faces downward, eliminating the need to attach auxiliary piping



FXNQ-MAVE

Indoor Units				FXNQ20MAVE	FXNQ25MAVE	FXNQ32MAVE	FXNQ40MAVE	FXNQ50MAVE	FXNQ63MAVE
Capacity	Cooling		kw	2,20	2,80	3,60	4,50	5,60	7,10
	Heating		kw	2,50	3,20	4,00	5,00	6,30	8,00
Power Input	Cooling		kw	0,049		0,090		0,110	
	Heating		kw	0,049		0,090		0,110	
Dimensions	(Height x Width x Depth)		mm	610x930x220		610x1070x220		610x1350x220	
Weight			kg	19		23		27	
Air Flow Rate	Cooling	High/Low	m³/min	7,00 / 6,00		8,00 / 6,00		11,00 / 8,50	
Sound Pressure	Cooling	High/Low	dB(A)	35,0 / 32,0		38,0 / 33,0		39,0 / 34,0	
Refrigerant				R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)				Flare connection ø6.35				Flare connection ø9.52
	Gas				Flare connection ø12.7				Flare connection ø15.9
Drain				21					
Heat Insulation				Glass Fiber/Urethane Foam					



FXLQ-MAVE

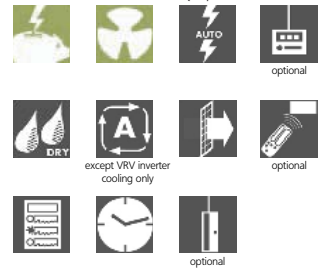
Floor Standing Unit



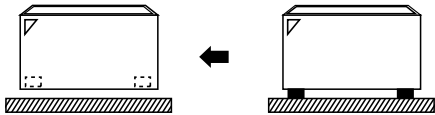
BRC1D52

BRC4C64/C62

FXLQ20,25MAVE



- Ideal for installation beneath a window
- All models are available with remote control
- Requires very little installation space
- Running the pipes from connections at the back, enables the unit to be wall mounted which in turn allows cleaning beneath the unit where dust tends to accumulate



- Long life filter fitted as standard

FXLQ-MAVE

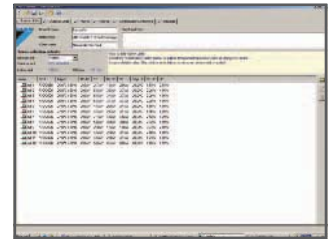
Indoor Units			FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
Capacity	Cooling	kw	2,20	2,80	3,60	4,50	5,60	7,10
	Heating	kw	2,50	3,20	4,00	5,00	6,30	8,00
Power Input	Cooling	kw	0,049		0,090		0,110	
	Heating	kw	0,049		0,090		0,110	
Dimensions	(Height x Width x Depth)		600x1000x222		600x1140x222		600x1420x222	
Weight			25		30		36	
Air Flow Rate	Cooling	High/Low	m ³ /min		8,00 / 6,00		11,00 / 8,50	
Sound Pressure	Cooling	High/Low	dBA		35,0 / 32,0		38,0 / 33,0	
Refrigerant					R-410A			
Power Supply					1~/220-240V/50Hz			
Piping connections	Liquid (OD)			Flare connection ø6.35				Flare connection ø9.52
	Gas			Flare connection ø12.7				Flare connection ø15.9
Drain					21			
Heat Insulation					Glass Fiber/Urethane Foam			



VRV[®] Xpress

Daikin has developed a new user friendly, software tool that allows rapid VRV[®] selection and provides a professional result in the 7 following steps:

1. Select indoor units
2. Connect outdoor units to indoor units
3. Automatic receipt of piping diagram with joints
4. Automatic receipt of wiring diagram
5. Connect appropriate centralised control systems
6. Visualise result in Microsoft Word, Microsoft Excel and AutoCAD[®].
7. Save project

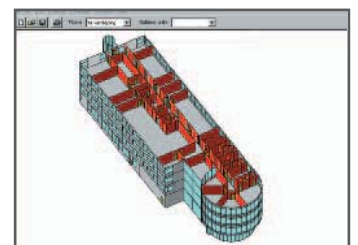
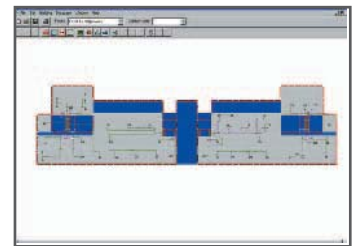


Using VRV[®] Xpress enables VRV[®] selection to be achieved in a simple, complete and professional manner.

VRV[®] Pro Selection Programme

FEATURES:

- the VRV[®] Pro selection programme offers 3 separate modes to accommodate different design formats according to customer requirements. Multi languages are possible.
1. Expert mode:
once the cooling and heating loads in the different rooms have been calculated, the software will select the most appropriate system plus an estimate of the power consumption.
 2. Quick mode:
based on calculated system loads, the software will select the most appropriate system.
 3. Drawing mode:
selecting the indoor and outdoor units from a list enables the user to design a system in no time at all.



A simple to use, Daikin computerised selection programme, designed for use with Windows 95[®], Windows 98[®], WindowsNT[®], Windows 2000[®], Windows XP[®] and Windows Vista[®] systems, enables consulting engineers, design and build contractors, property developers and architects etc. to plan a Daikin air conditioning project on a step by step basis, complete with detailed drawings, bills of quantities and costs.

The programme thus enables VRV[®] air conditioning systems to be engineered precisely and economically (without over-sizing units), thereby ensuring optimum operating cycles and maximum energy efficiency.

Windows95[®], Windows98[®], WindowsNT[®], Windows2000[®], WindowsXP[®] and Windows Vista[®] are registered trademarks of Microsoft corporation.



Ventilation

Air conditioning and air movement of course, are not the same. Neither actually includes the other but both are necessary components of a comfortable and energy efficient indoor climate. Ventilation by itself cannot cope with the high heat gains generated by modern office complexes and indoor temperature and humidity levels can fluctuate wildly if ventilation alone is installed. On the other hand, air conditioning cannot supply the necessary fresh air needed for a balanced system. The ideal solution therefore, requires air conditioning and ventilation in combination.

Daikin manufactures and markets a range of fresh air reclaim, treatment and handling systems, carefully designed for integration with its air conditioning systems in order to achieve the most economic, environmentally conscious and best possible indoor comfort conditions.

HEAT RECLAIM VENTILATION

VAM-FA8	156
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VKM-GAV1	157

AIR HANDLING APPLICATIONS

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VRV®+EXV-komplet	160

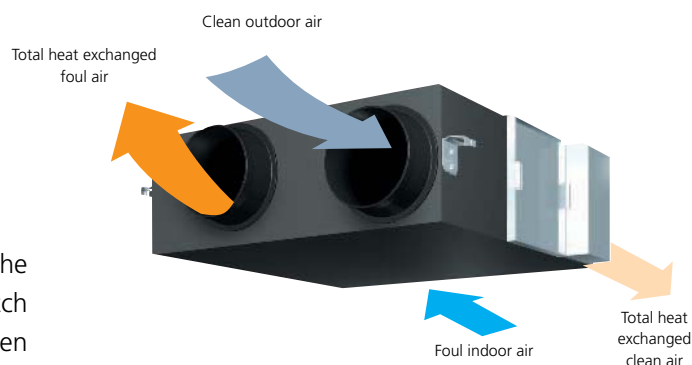
REMOTE EVAPORATOR

ERAP-MBYN	161
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HRV

Heat Reclaim Ventilation



The Daikin heat recovery ventilation system modulates the temperature and humidity of incoming fresh air to match indoor conditions. A balance is thus achieved between indoor and outdoor ambients, enabling the cooling or heating load placed on the air conditioning system to be reduced significantly.

HRV units can be controlled individually or integral with the air conditioning system (Daikin VRV® or Sky Air series).

- 9 models to choose from
- Compact, energy saving ventilation
- Specially developed heat exchange element with HEP (High Efficiency Paper)
- Easy integration into the VRV® system
- Connectable to current Daikin control systems:

DS-net

Intelligent Controller

Intelligent Manager

BACnet Gateway

DMS-IF

VAM-FA8

Ventilation		VAM150FA8	VAM250FA8	VAM350FA8	VAM500FA8	VAM650FA8	VAM800FA8	VAM1000FA8	VAM1500FA8	VAM2000FA8
Air flow rate	m³/h	150	250	350	500	650	800	1,000	1,500	2,000
Sound pressure level (max.) (1)	dB(A)	27/28.5	28/29	32/34	33/34.5	34.5/35.5	36/37	36/37	39.5/41.5	40/42.5
External static pressure (max.)	Pa	69	64	98	98	93	137	157	137	137
Temperature exchange efficiency	%	74	72	75	74	74	74	75	75	75
Enthalpy exchange efficiency	heating	%	58	58	61	58	58	60	61	61
	cooling	%	64	64	65	62	63	65	66	66
Dimensions	H	mm	269	269	285	285	348	348	348	710
	W	mm	760	760	812	812	988	988	988	1,498
	D	mm	509	509	800	800	852	852	1,140	852
Weight	kg	24	24	33	33	48	48	61	132	158
Duct diameter	mm	ø 100	ø 150	ø 150	ø 200	ø 200	ø 250	ø 250	ø 350	ø 350
Power supply	VE	1 ~, 50Hz, 220-240V								

(1) Sound pressure level is measured in heat exchange mode.



HRV

Heat Reclaim Ventilation



- Heat purge (economiser): heat accumulated indoors is discharged at night
- Integration of humidification and air conditioning into HRV unit
- Increased static pressure thanks to improved fan performance
- Individual control via HRV remote control
- Connectable to current Daikin control systems:

DS-net

Intelligent Controller

Intelligent Manager

BACnet Gateway

DMS-IF

VKM-GAM

Ventilation, DX coil & humidifier			VKM50GAM	VKM80GAM	VKM100GAM
Fresh air conditioning load	Cooling	kW	4.71	7.46	9.12
	Heating	kW	5.58	8.79	10.69
Air flow rate	UH - H - L	m³/h	500 - 500 - 440	750 - 750 - 640	950 - 950 - 820
Sound pressure level - 220V	UH - H - L	dBA	37 - 35.5 - 32	38.5 - 36 - 33	39 - 37 - 34
Sound pressure level - 240V	UH - H - L	dBA	38 - 36 - 34	40 - 37.5 - 35.5	40 - 38 - 35.5
Static pressure	UH - H - L	Pa	160 - 120 - 100	140 - 90 - 70	110 - 70 - 60
Temperature exchange efficiency	UH - H - L	%	76 - 76 - 77.5	78 - 78 - 79	74 - 74 - 76.5
Enthalpy exchange efficiency - cooling	UH - H - L	%	64 - 64 - 67	66 - 66 - 68	62 - 62 - 66
Enthalpy exchange efficiency - heating	UH - H - L	%	67 - 67 - 69	71 - 71 - 73	65 - 65 - 69
Humidifier type			natural evaporating humidifier		
Humidification capacity		kg/h	2.70	4.00	5.40
Dimensions	Height	mm	387	387	387
	Width	mm	1,764	1,764	1,764
	Depth	mm	832	1,214	1,214
Weight		kg	102	120	125
Power supply		V1	1 ~, 220-240V, 50Hz		

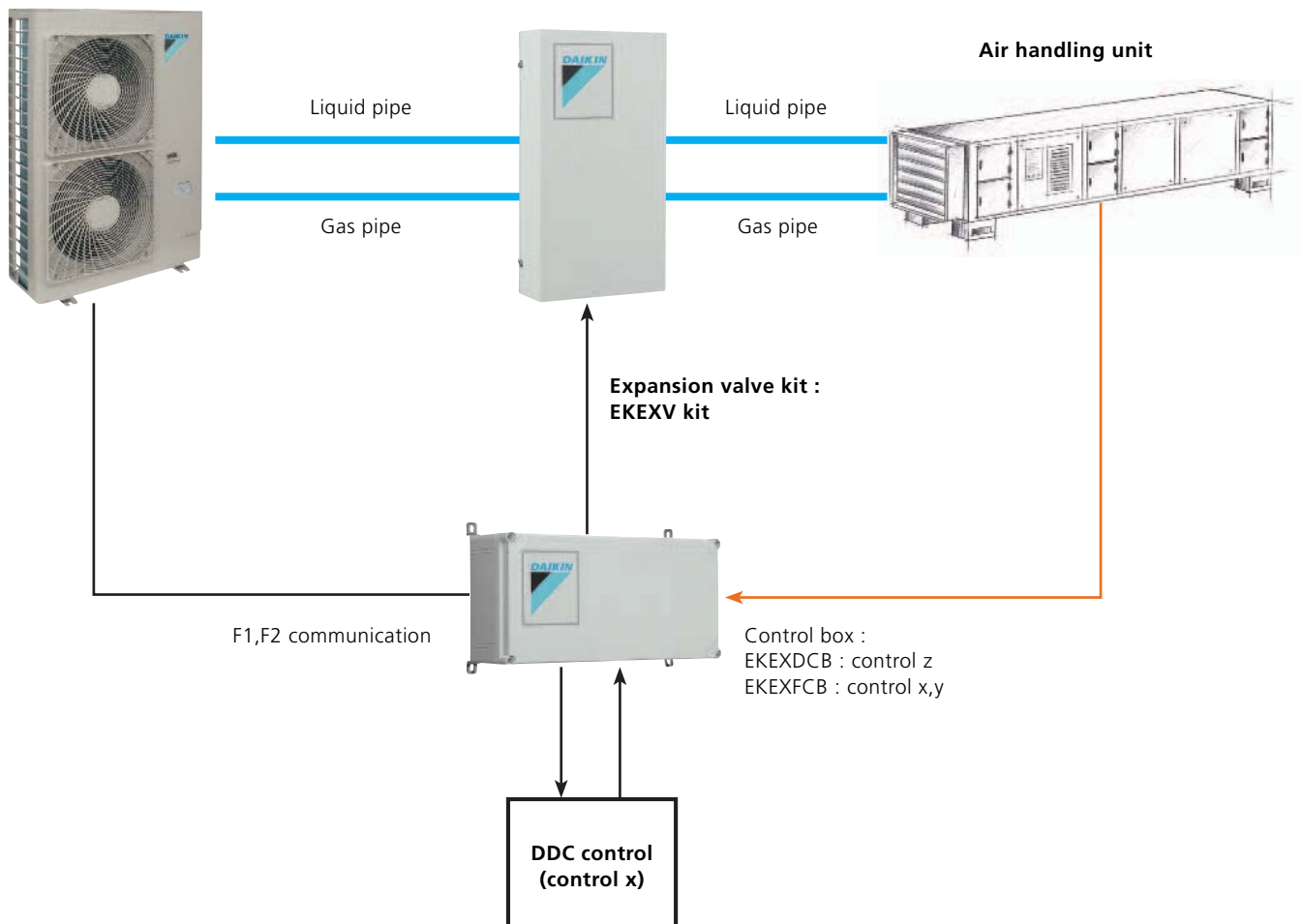
VKM-GA

Ventilation & DX coil			VKM50GA	VKM80GA	VKM100GA
Fresh air conditioning load	Cooling	kW	4.71	7.46	9.12
	Heating	kW	5.58	8.79	10.69
Air flow rate	UH - H - L	m³/h	500 - 500 - 440	750 - 750 - 640	950 - 950 - 820
Sound pressure level - 220V	UH - H - L	dBA	38 - 36 - 33.5	40 - 37.5 - 34.5	40 - 38 - 35
Sound pressure level - 240V	UH - H - L	dBA	39 - 37 - 33.5	41.5 - 39 - 37	41 - 39 - 36.5
Static pressure	UH - H - L	Pa	180 - 150 - 110	170 - 120 - 80	150 - 100 - 70
Temperature exchange efficiency	UH - H - L	%	76 - 76 - 77.5	78 - 78 - 79	74 - 74 - 76.5
Enthalpy exchange efficiency - cooling	UH - H - L	%	64 - 64 - 67	66 - 66 - 68	62 - 62 - 66
Enthalpy exchange efficiency - heating	UH - H - L	%	67 - 67 - 69	71 - 71 - 73	65 - 65 - 69
Dimensions	Height	mm	387	387	387
	Width	mm	1,764	1,764	1,764
	Depth	mm	832	1,214	1,214
Weight		kg	96	109	114
Power supply		V1	1 ~, 220-240V, 50Hz		

Condensing Units for Air Handling Applications (pair)

A new range of R-410A inverter condensing units for pair application with air handling units.

- Inverter controlled units
- Large capacity range (from 71 to 140 class)
- Cooling only
- R-410A
- Flexible control possibilities:
 - Control x:
control of air temperature (discharge temperature, suction temperature, room temperature) via external device (DDC controller)
 - Control y:
control of evaporating temperature via Daikin control (no DDC controller needed)
 - Control z:
control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
- Wide range of expansion valve kits available



COOLING ONLY

Outdoor unit				ERX100A9V1	ERX125A9V1	ERX140A9V1
Dimensions	HxWxD	mm		1,345x900x320		
Weight		kg		120		
Sound pressure level	cooling	nominal	dB(A)	50	51	53
Sound power level	cooling	nominal	dB(A)	66	67	69
Operation range	cooling	min-max	°CDB	-5 ~ 46		
Refrigerant type				R-410A		
Piping connections	liquid	mm		ø9.52		
	gas	mm		ø15.9		ø19.1
	drain	mm		ø26x3		
Piping length	max	m		50		
Power supply		V3		1 ~, 220-240V, 50Hz		

COOLING ONLY

Outdoor unit				ERX125AW1	ERX200AW1	ERX250AW1
Cooling capacity		kW		14.0	22.4	28.0
Power input		kW		3.52	5.56	7.42
EER				3.98	4.03	3.77
Casing	Colour			Daikin White		
	Material			Painted galvanized steel plate		
Dimensions	Unit	HxWxD	mm	1680x635x765	1680x930x765	1680x930x765
Weight	Unit		kg	157	185	238
Operation Range	Cooling	Min ~ Max	°CDB	-5.0 ~ 43.0	-5.0 ~ 43.0	-5.0 ~ 43.0
Sound level (nominal)	Sound power		dB(A)	72	78	78
	Sound pressure		dB(A)	54	57	58
Refrigerant	Type			R-410A	R-410A	R-410A
Piping Connections	Liquid	Diameter (OD)	mm	9.52	9.52	9.52
	Gas	Diameter (OD)	mm	15.9	19.1	22.2
Power Supply			W1	3N~, 50Hz, 400V		

COMBINATION TABLE

Outdoor unit		Control box		Expansion valve kit							Options
		control z	control x or y	class 63	class 80	class 100	class 125	class 140	class 200	class 250	Central drain kit
		EKEXDCBA	EKEXFCBA	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	
1ph	ERX100A9V1	P	P	P	P	P	P	-	-	-	X
	ERX125A9V1	P	P	P	P	P	P	P	-	-	X
	ERX140A9V1	P	P	-	P	P	P	P	-	-	X
3ph	ERX125AW1	-	-	P	P	P	P	P	-	-	-
	ERX200AW1	P	P	-	-	P	P	P	P	P	-
	ERX250AW1	P	P	-	-	-	P	P	P	P	-

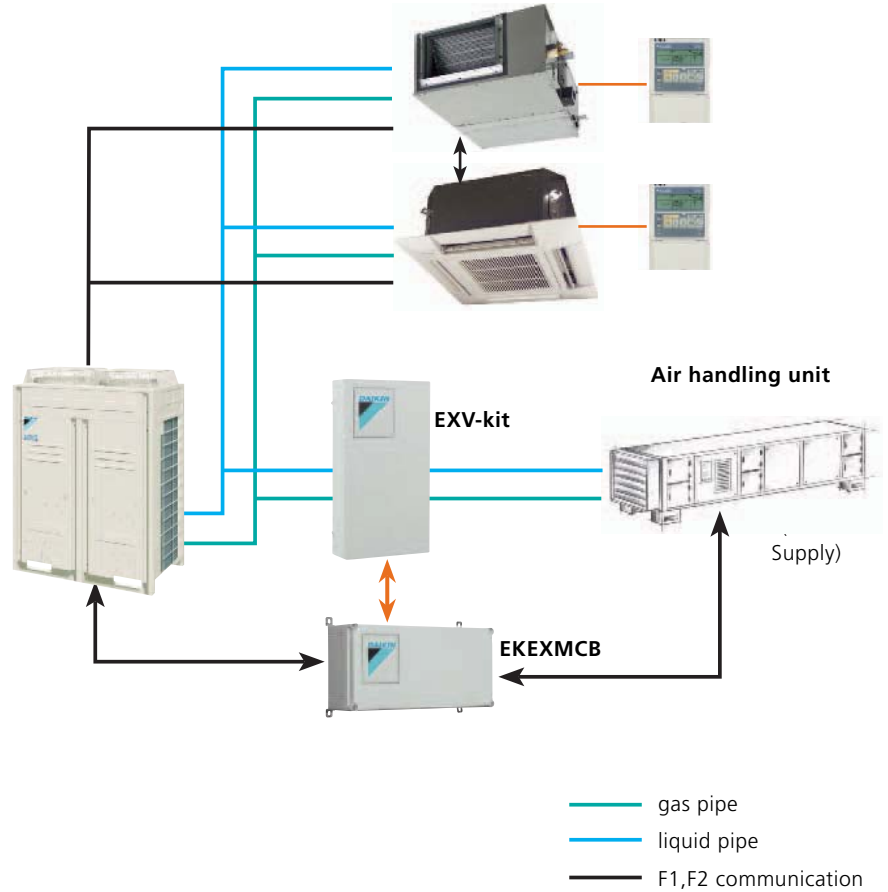
P: Pair: Combination depending on air handling units coils volume.
 x: Possibility to connect.



VRV® Air Handling Applications

A R-410A inverter condensing units range for multi application with air handling units.

- Inverter controlled units
- Large capacity range (from 5 to 18HP)
- Cooling only
- R-410A
- Control z:
control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
- Large range of expansion valve kits available
- BRC 1D52 is used to set the set point temperature (connected to the EKEXMCB).



COOLING ONLY

RXQ-P(A)			5	8	10	12	14	16	18	
Capacity range	HP		5	8	10	12	14	16	18	
Capacity	Cooling	kw	14.0	22.4	28.0	33.5	40.0	45.0	49.0	
Power input (Nominal)	Cooling	kw	3.52	5.56	7.42	9.62	12.4	14.2	16.2	
Dimensions	(Height x Width x Depth)	mm	1,680x635x765		1,680x930x765			1,680x1,240x765		
Weight		kg	157	185	238		315		323	
Sound Level	Sound Power	Cooling	72	78			80		83	
	Sound Pressure	Cooling	54	57	58	60		63		
Air Flow Rate (nominal at 230V)	Cooling	m³/min	95	171	185	196	233		239	
Operation Range	Cooling	Min~Max	-5.0~43.0							
Refrigerant			R-410A							
Power Supply			3N~/400V/50Hz							
Max n° of indoor units to be connected			8	13	16	19	23	26	29	
Piping connections	Liquid (OD)/Gas	mm	9.5 / 15.9	9.5 / 19.1	9.5 / 22.2	12.7 / 22.2	12.7 / 28.6		15.9 / 28.6	

COMBINATION TABLE

Outdoor unit		Control box	Expansion valve kit							
		control z	class 50	class 63	class 80	class 100	class 125	class 140	class 200	class 250
		EKEXMCB	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
3ph	RXQ5P	X	X	X	X	X	X	X	X	X
	RXQ8P	X	X	X	X	X	X	X	X	X
	RXQ10P	X	X	X	X	X	X	X	X	X
	RXQ12P	X	X	X	X	X	X	X	X	X
	RXQ14PA	X	X	X	X	X	X	X	X	X
	RXQ16PA	X	X	X	X	X	X	X	X	X
	RXQ18PA	X	X	X	X	X	X	X	X	X



ERAP-MBYN

Remote Evaporator

- All models are PED pressure vessel approved
- Daikin semi-hermetic single screw stepless compressor
- Optimised for use with R-407C
- Advanced pCO² DDC controller
- Standard operation range down to -15°C ambient
- High quality, anti-corrosion treated components as standard
- Reverse phase protection as standard
- Moisture indicator as standard
- Low operating sound level - extra low noise option available
- DICN (Daikin Integrated Chiller Network) operation as standard within same series
- Evaporating temperature down to -15°C
- Hi-esp fans (up to 150Pa) available as option
- Inverter fans available as option
- Nitrogen holding charge
- Stepless or infinitely variable capacity control from 30 to 100%



ERAP150MBYN



pCO²

COOLING ONLY

			110	150	170
Capacity	Cooling	kW	114,00	150,00	171,00
Nominal input	Cooling	kW	42,10	52,40	65,20
EER			2,71	2,86	2,62
Capacity Steps		%	30-100		
Dimensions	(Height x Width x Depth)	mm	2250x2346x2238		
Unit		kg	1326	1440	1516
Air heat exchanger	Type		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins		
Sound Power	Cooling	dBA	91	96	
Compressor	Type		Semi-hermetic single screw compressor		
Refrigerant circuit	Model	Quantity	1		
	Refrigerant type		R-407C		
	Refrigerant charge	kg	5,5	7,5	
	No of circuits		1		
Power Supply			3~/400V/50Hz		
Piping connections	Suction line connection		2" 1/8		
	Liquid line connection		7/8"		
	Relief device outlet		compressor: 1"npt		



In order to realise maximum efficiency, commercial air conditioning systems must be subject to precise, 24 hour control.

Daikin manufactures and markets a complete suite of advanced computerised central control and monitoring systems designed to simplify air conditioning management and reduce energy usage running costs.

Daikin computerised control systems not only provide the highly sophisticated regulation and day to day monitoring necessary for modern, hi tech air conditioning installations – they also provide owners, landlords and tenants of commercial buildings with valuable performance data on consumption as well as a wide range of operating parameters.

Dedicated Daikin central control can be applied to both VRV® and mixed VRV®/Sky Air and Split installations with up to 1,024 indoor units and can also be integrated with building management systems.

Control Systems






INDIVIDUAL CONTROL SYSTEMS

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Infrared remote control	164
Simplified remote control	164
Simplified built-in remote control for hotel applications	164

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Schedule timer	165

NETWORK SOLUTIONS

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 intelligent Manager	170
 BMS-IF	171
 BACnet Gateway	171



Individual Control Systems



BRC1D52



BRC4*/BRC7*



BRC2C51



BRC3A61

BRC1D52

Wired remote control

- ▶ Limit operation (min/max): room temperature is controlled within adjustable upper and lower limits. Limit operation can be activated manually or by schedule timer
- ▶ Real time clock: indicates real time and day
- ▶ Schedule timer:
 - It is possible to programme a weekly schedule timer
 - It is possible to programme the remote control for each day of the week.
- ▶ Home leave (frost protection)
- ▶ Different levels of disabled buttons can be selected as follows:
 - Level 1: all buttons are accessible
 - Level 2: all buttons are disabled except for: ON/OFF, set temperature up/down, fan speed, cooling/heating mode, enable/disable schedule timer, air flow direction adjustment button
 - Level 3: all buttons are disabled except for: ON/OFF, set temperature up/down, fan speed

- ▶ User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- ▶ Constantly monitoring of the system for malfunctions in a total of 80 components
- ▶ Immediate display of fault location and condition
- ▶ Reduction of maintenance time and costs

Operation buttons: ON/OFF, timer mode start/stop, timer on/off, programmed time, temperature setting, air flow direction adjustment, operating mode selection, fan speed control, filter sign reset, inspection test/operation

Display: Operating mode, Heat Recovery Ventilation (HRV) in operation, cool/heat changeover control, centralised control indication, group control indication, set temperature, air flow direction, programmed time, inspection/test operation, fan speed, clean air filter, defrost/hot start, malfunction

BRC4*/BRC7*

Infrared remote control

Operation buttons: ON/OFF, timer mode start/stop, timer mode on/off, programme time, temperature setting, air flow direction (FXHQ, FXFQ, FXCQ and FXAQ models only), operating mode, fan speed control, filter sign reset, inspection / test indication

Display: Operating mode, battery change, set temperature, air flow direction (FXHQ, FXFQ, FXCQ and FXAQ models only), programmed time, inspection/test operation, fan speed

BRC2C51

Simplified remote control

Simple, compact and easy to operate unit, suitable for use in hotel bedrooms

Operation buttons: ON/OFF, operating mode selection, fan speed control, temperature setting

Display: Cool/heat changeover control, Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction adjustment, operating mode selection, fan speed control, filter sign reset, inspection test/operation

BRC3A61

Simplified built-in remote control for hotel applications

Compact, user friendly unit, ideal for use in hotel bedrooms

Operation buttons: ON/OFF, fan speed control, temperature setting

Display: Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction



Centralised Control Systems



DCS302C51



DCS301B51



DST301B51

Centralised control of the VRV® system can be achieved via 3 user friendly compact controls: centralised remote control, unified on/off control and schedule timer. These controls may be used independently or in combination where 1 group = several (up to 16) indoor units in combination and 1 zone = several groups in combination.

A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).

The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51

Centralised remote control

Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- group control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)
- air flow direction and air flow rate of HRV can be controlled
- expanded timer function

DCS301B51

Unified ON/OFF control

Providing simultaneous and individual control of 16 groups of indoor units.

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

DST301B51

Schedule timer

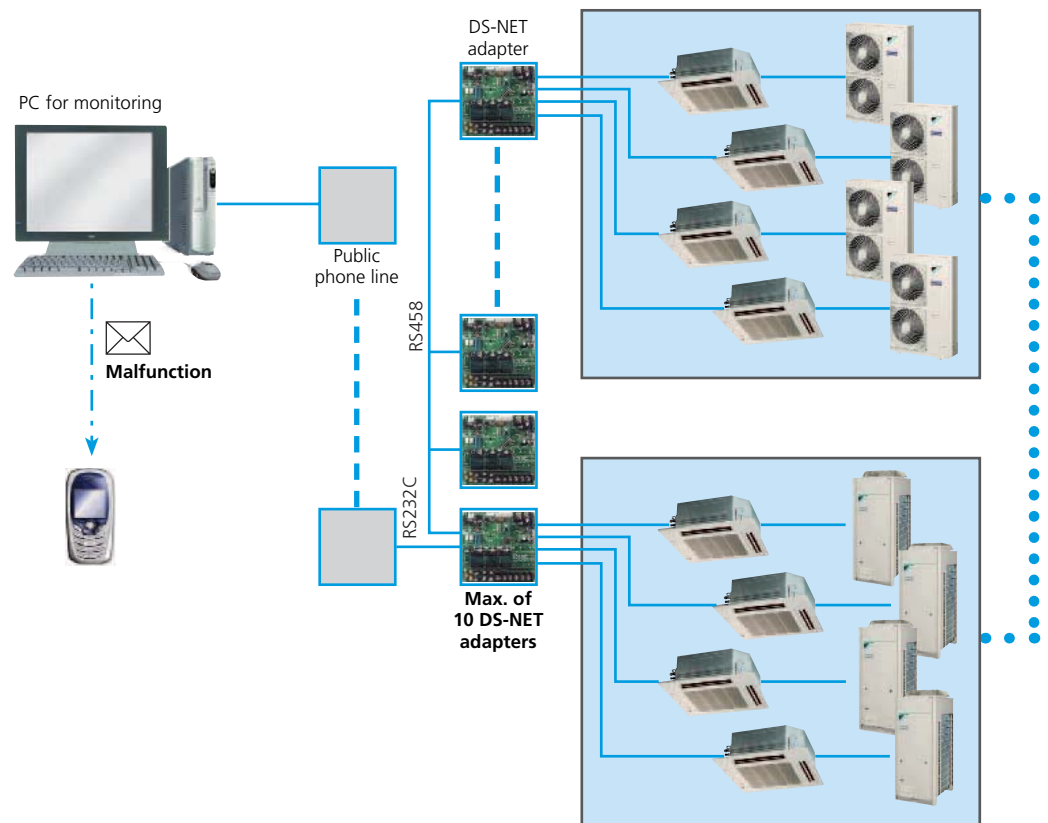
Enabling 64 groups to be programmed.

- a maximum of 128 indoor units can be controlled
- 8 types of weekly schedule
- a maximum of 48 hours back up power supply
- a maximum wiring length of 1,000m (total: 2,000m)

Network Solutions



The ideal solution for control and management up to 2,000 Sky Air and/or VRV® indoor units



APPLICATION AREA

- A small commercial area of less than 40 indoor units.
- Critical applications for centralized monitoring.

SYSTEM LAYOUT

- Allows monitoring and control of up to up to 50 stores or sites and 2,000 indoor units with just one modem and phone line.

- Automates daily air conditioning operation in order to free users from the hassle of air conditioning operation/management.
- The daily schedule setting allows automatic operation afterward.
- Automates alarm (report messages) for any malfunctions / errors. Immediate report of any indoor unit breakdown to the servicing company.
- Automatic report of breakdown/malfunction information.
- Minimizes the inconvenience of not having air conditioning via rapid messages

FUNCTIONS

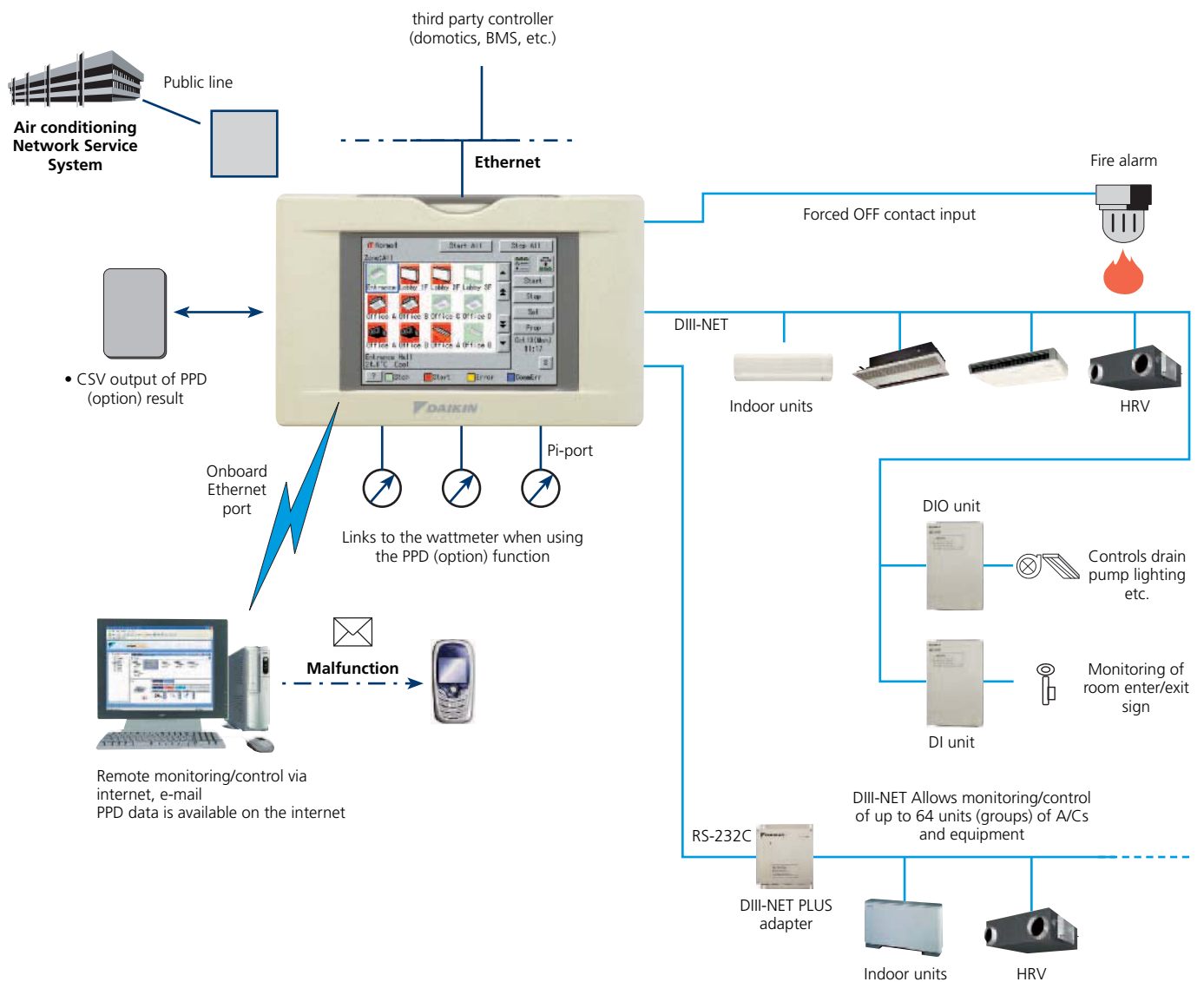
- Schedule setup (Daily schedule)
 - Start/Stop
- Air conditioning malfunction report
 - Send message to monitoring system
- Manual operation
 - Start/Stop, Set temperature, Operation mode, Fan speed
- Status monitoring (Start/Stop, Set temperature, Operation mode, Room temperature, Operation time, Error code)



Network Solutions

Intelligent Controller

Allows detailed & easy monitoring and operation of VRV® systems (max. 2 X 64 groups/indoor units).





LANGUAGES

- English
- French
- German
- Italian
- Spanish

SYSTEM LAYOUT

- Up to 2 x 64 indoor units can be controlled
- Onboard Ethernet port (web browser + e-mail)
- Digital i/o contacts (option)
- Touch panel (full colour LCD via icon display)

MANAGEMENT

- Web application & internet compatibility
- Monitoring & control according to user
- Remote monitoring & control of more than one building
- Remote monitoring & control of more than one building via internet
- Power Proportional Distribution: PPD (option)
- PPD data is available on the internet
- Easy management of electricity consumption
- Enhanced history function

CONTROL

- Individual control (set point, start/stop, fan speed) (max. 2 x 64 groups/indoor units)
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation

MONITORING

- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Error messages via e-mail & mobile phone (option)
- Indication filter replacement
- Multi PC

COST PERFORMANCE

- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

OPEN INTERFACE

- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface

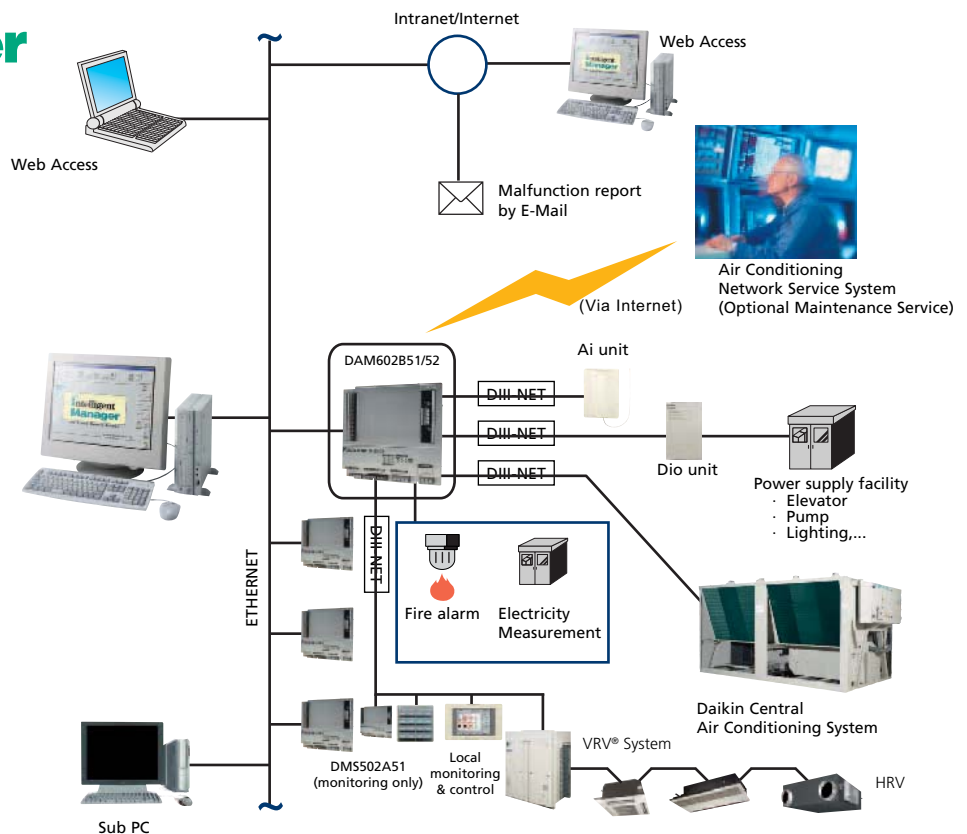
CONNECTABLE TO:

- VRV®
- HRV
- Sky Air (via interface adapter)
- Split (via interface adapter)

Network Solutions

Intelligent Manager

The ideal solution for control and management of maximum 1,024 VRV® indoor units.



LANGUAGES

- English
- French
- German
- Italian
- Spanish

SYSTEM LAYOUT

- Up to 1,024 indoor units can be controlled (by 4 iPUs)
- Ethernet TCPIP / 10 base / T communication
- Integrated digital contacts on the Intelligent Processing Unit (iPU)
 - 20 general input ports
 - 2 digital outputs
- Stand alone operation of the iPU for minimum 48 hours
- Compatible with UPS shutdown software

MANAGEMENT

- Web access (option)
- Power Proportional Distribution (option)
- Operational history management (start/stop, malfunction, operation hours)
- Generation of reports (graphics & tables) (daily, weekly, monthly)
- Peak load shedding
- Advanced tenant management
- Sliding temperature
- Eco mode (option)

CONTROL

- Individual control (setpoint, start/stop, fan speed) (max. 1,024 indoor units)
- Group control (100 groups)
- Schedule control (128 programs)
- Fire emergency stop control (32 programs)
- Interlocking control
- Setpoint limitation
- Automatic cooling/heating change-over
- Power failure/release control
- Temperature limit (automatic start)
- Timer extension

MONITORING

- Visualisation via a Graphical User Interface (GUI) featuring free layout
- Operation mode of indoor units
- Fault indication
- Indication filter replacement
- Setpoint indication
- Operation time monitoring
- Multi PC
- On-line help

COST PERFORMANCE

- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

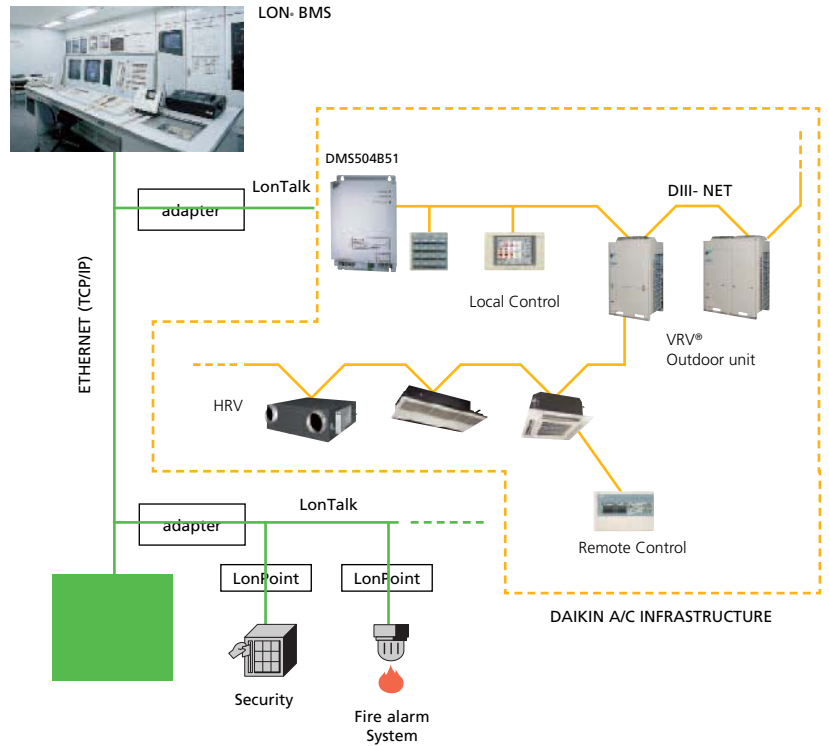
CONNECTABLE TO:

- VRV®
- HRV
- Sky Air (via interface adapter)
- Split (via interface adapter)



LonWorks® Networks Compatible Gateway

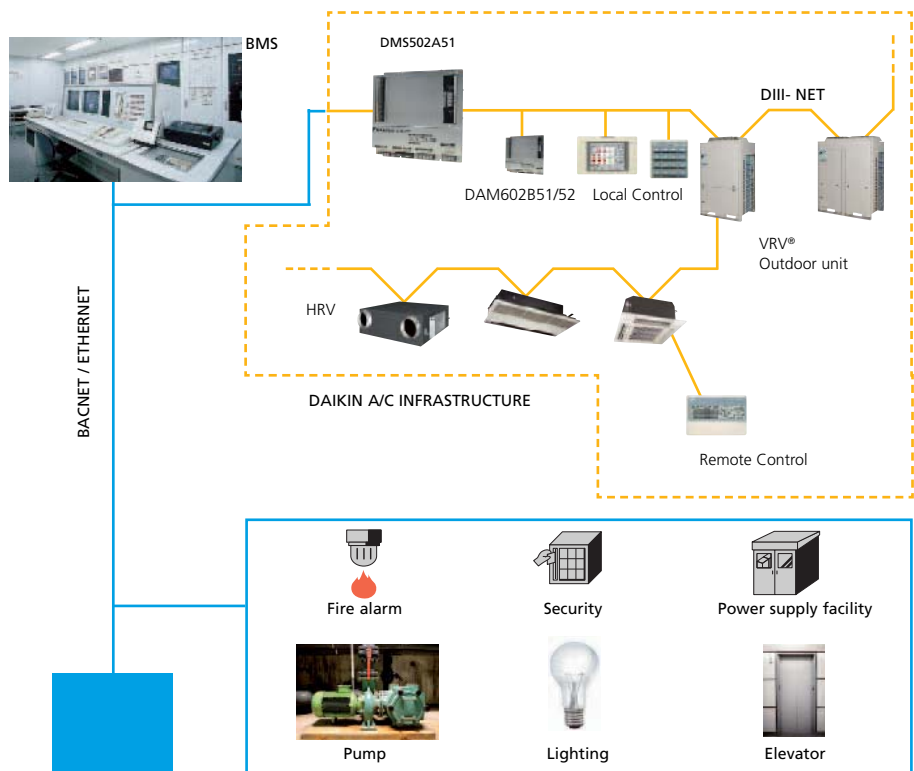
- Interface for Lon connection to LonWorks® networks
- Communication via Lon® protocol (twisted pair wire)
- 64 units connectable per DMS-IF
- Unlimited sitesize
- Quick and easy installation



BACnet Gateway

Integrated control system connecting VRV® system with BMS system

- PPDdata is available on BMS system
- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- 256 units connectable per BACnet gateway
- Unlimited sitesize
- Easy and fast installation





Precise environmental control is vital in many industrial and commercial applications. Daikin offers an outstanding range of powerful air cooled, water cooled and condenserless chiller systems that will maintain ideal conditions in even the largest premises. Daikin water chillers are of advanced design, compact and easy to install and maintain.

They prove flexible and effective in multiple process cooling applications in for example, fish farms, wine cellars, maritime transport, agricultural, pharmaceutical or industrial processes. When combined with air handling units or Daikin fan coil units of course, they are ideal for air conditioning offices, hotels, restaurants and even domestic premises.

Matched and flexible equipment/refrigerant combinations enable Daikin to offer a complete range of chillers, genuinely optimised for use with R-134a, R-407C and R-410A. All chiller components -evaporator, condenser, dryer, oil etc - have been specially selected for use with either R-407C, R-410A or R-134a refrigerants. The end result is a range of hi tech, high performance units, indicated by published EUROVENT data to be among the most energy efficient of their type on the market.

Advanced technology allied unsurpassed product reliability and quality, make Daikin chillers the first choice for professionals.

Applied Systems

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EWAQ-AC

Air Cooled

- Inverter chiller
- Optimised for use with R-410A
- Daikin swing compressor
- Integrated hydronics
- No buffer tank needed
- Advanced control possibilities
- Precise temperature control
- Single phase power supply



EWAQ005AC



BRC1D52

COOLING ONLY

			005	006	007
Capacity	Cooling	kW	5,2	6,0	7,1
Nominal input	Cooling	kW	1,89	2,35	2,95
EER			2,75	2,55	2,41
Dimensions	(Height x Width x Depth)	mm	805x1.190x360		
Unit		kg	100		
Operating Weight		kg	104		
Water Heat Exchanger	Type		Brased plate		
	Minimum water volume in the system	l	10		
	Water flow rate	l/Min	12		
Air heat exchanger	Type		Tube type		
Expansion vessel	Volume	l	6		
		bar	1		
Sound Power	Cooling	dB(A)	62		63
Compressor	Type		Hermetically sealed swing compressor		
	Model	Quantity	1		
Refrigerant circuit	Refrigerant type		R-410A		
	Refrigerant charge	kg	1,7		
	No of circuits		1		
	Refrigerant control		Inverter		
Power Supply			1~/230V/50Hz		
Piping connections	Water heat exchanger inlet / outlet		1" mbsp		
	Water heat exchanger drain		hose nipple 1/2" fbsp		



EWYQ-AC

Air Cooled

- Inverter chiller
- Optimised for use with R-410A
- Daikin swing compressor
- Integrated hydronics
- No buffer tank needed
- Advanced control possibilities
- Precise temperature control
- Single phase power supply



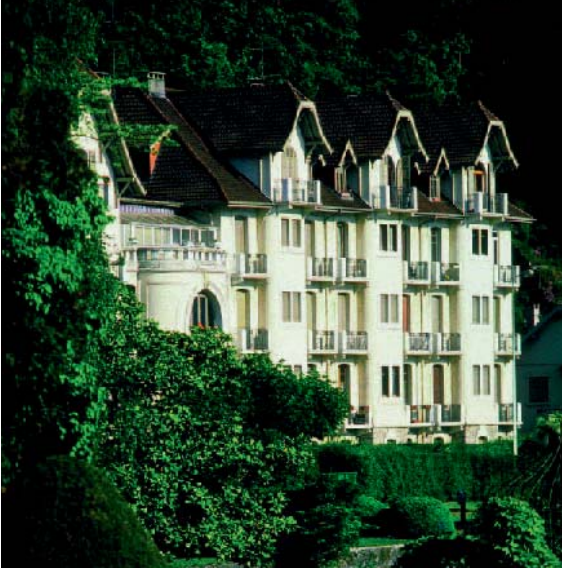
EWYQ005AC



BRC1D52

HEAT PUMP

			005	006	007
Capacity	Cooling	kW	5,2	6,0	7,1
	Heating	kW	6,83	8,13	8,73
Nominal input	Cooling	kW	1,89	2,35	2,95
	Heating	kW	1,97	2,24	2,83
EER			2,75	2,55	2,41
COP			3,47	3,63	3,08
Dimensions	(Height x Width x Depth)	mm	805x1190x360		
Unit		kg	100		
Operating Weight		kg	104		
Water Heat Exchanger	Type		Brased plate		
	Minimum water volume in the system	l	10		
	Water flow rate Min	l/min	12		
Air heat exchanger	Type		Tube type		
Expansion vessel	Volume	l	6		
		bar	1		
Sound Power	Cooling	dBA	62		63
	Heating	dBA	-		-
Compressor	Type		Hermetically sealed swing compressor		
	Model	Quantity	1		
Refrigerant circuit	Refrigerant type		R-410A		
	Refrigerant charge	kg	1,7		
	No of circuits		1		
	Refrigerant control		Inverter		
Power Supply			1~/230V/50Hz		
Piping connections	Water heat exchanger inlet / outlet		1" mbsp		
	Water heat exchanger drain		hose nipple 1/2" fbsp		



EUWAC-FZW

Air Cooled

- Optimised for use with R-407C
- Daikin scroll compressor
- Electronic DDC controller
- Standard phase sequence controller
- High static pressure (up to 150Pa)
- Pressure gauges
- Standard operation range down to -10°C
- Regulating switch
- Water inlet or outlet temperature control
- Input contacts / available outputs
- Input: ON/OFF (per circuit), Pump/flow switch
- Output: compressor operation, summary alarm, pump relay contact



EUWAC8FZW1



MICRO CHILLER

COOLING ONLY

			5	8	10
Capacity	Cooling	kW	11,60	18,40	23,80
Nominal input	Cooling	kW	5,25	7,78	9,85
EER			2,21	2,37	2,42
Capacity Steps		%	100-0		
Dimensions	(Height x Width x Depth)	mm	1.345x856x630	1.290x1.180x630	1.395x1.330x630
Unit		kg	164	224	261
Operating Weight		kg	166	228	266
Water Heat Exchanger	Type		Brased plate, one per circuit		
	Minimum water volume in the system	l	101	153	212
	Water flow rate	Min	l/min	23	28
		Nominal	l/min	53	68
		Max	l/min	64	92
Air heat exchanger	Type		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins		
Sound Power	Cooling	dBA	63	66	69
Compressor	Type		Hermetically sealed scroll compressor		
	Model	Quantity	1		
Refrigerant circuit	Refrigerant type		R-407C		
	Refrigerant charge	kg	2,1	3,9	4,7
	No of circuits		1		
	Refrigerant control		Thermostatic expansion valve		
Power Supply			3N~/400V/50Hz		
Piping connections	Evaporator water inlet/outlet		fbsp 1" field installation		



EUWA-KAZW

Air Cooled

- Optimised for use with R-407C
- Daikin scroll compressor
- Reduced installation time thanks to integrated pump and/or buffer tank
- Possibility for a 200 l buffer tank (KAZ-series)
- Low operating sound level
- Improved serviceability
- Main switch
- Water flow switch
- 3 different design options available
- EUWAN chiller without integrated hydraulic module
- EUWAP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components)
- EUWAB chiller with integrated hydraulic module (buffer tank, pump, expansion vessel, hydraulic components)



EUWAN16KAZW



MICRO CHILLER

COOLING ONLY

		N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24									
Capacity	Cooling	kW		11,30				17,90				22,50				26,50				37,00				46,60				55,30			
Nominal input	Cooling	kW		4,64	4,52	4,64	7,39	7,38	7,39	8,74	8,79	8,74	11,50			15,00	15,20	15,00	17,90	18,10	17,90	24,00									
EER				2,44	2,5	2,44	2,42	2,43	2,42	2,57	2,56	2,57	2,3			2,47	2,43	2,47	2,6	2,57	2,6	2,3									
Capacity Steps		%		0-100				0-100				0-50-100				0-50-100															
Dimensions	(Height x Width x Depth)	mm		1230x1290x734				1450x1290x734				1321x2580x734				1541x2580x734				1541x2580x734											
Unit		kg		150	168	180	215	229	241	245	259	271	248	262	274	430	448	446	490	508	520	496	514	526							
Operating Weight		kg		152	171	239	218	232	300	248	262	330	251	265	335	436	457	525	496	518	586	503	524	592							
Water Heat Exchanger	Type	Brased plate																													
	Minimum water volume in the system	l		54				85				108				126				88				111				132			
	Water flow rate	l/min	16		26				32				38				53				67				79						
		Nominal	32		51				64				76				106				134				158						
l/min		65		102				129				152				212				267				317							
Air heat exchanger	Type	Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																													
Buffer tank volume	Volume	l		-	55	-	55	-	55	-	55	-	55	-	55	-	55	-	55	-	55	-	55								
Sound Power	Cooling	dBA		67				76				78				79				81											
		Hermetically sealed scroll compressor																													
Compressor	Type	Hermetically sealed scroll compressor																													
	Model	Quantity		1				1				1				1				2											
Refrigerant circuit	Refrigerant type	R-407C																													
	Refrigerant charge	kg		3,9				4,6				6,0				4,6				5,9				6,0							
	No of circuits	1																													
	Refrigerant control	Thermostatic expansion valve																													
Power Supply	3N~/400V/50Hz																														
Piping connections	Evaporator water inlet/outlet	1-1/4"15 mm										2"15 mm																			



EUWY-KAZW

Air Cooled

- Optimised for use with R-407C
- Daikin scroll compressor
- Reduced installation time thanks to integrated pump and/or buffer tank
- Possibility for a 200 l buffer tank (KAZ-series)
- Low operating sound level
- Improved serviceability
- Main switch
- Water flow switch
- 3 different design options available
- EUWYN chiller without integrated hydraulic module
- EUWYP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components)
- EUWYB chiller with integrated hydraulic module (buffer tank, pump, expansion vessel, hydraulic components)



EUWYN16KAZW



MICRO CHILLER

HEAT PUMP

		N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24			
Capacity	Cooling	kW		9,10	17,10		21,00		25,00		34,20		40,00		50,00		54,00		54,00		54,00				
	Heating	kW		11,90	18,50		24,00		27,00		37,00		46,00		54,00		54,00		54,00		54,00				
Nominal input	Cooling	kW		3,78	7,45	7,46	8,57		11,40		14,90		16,30		22,80		22,80		22,80		22,80				
	Heating	kW		4,59	7,10		9,10		10,80		14,20		17,40		21,60		21,60		21,60		21,60				
EER			2,41	2,3	2,29	2,45		2,19		2,3		2,45		2,19		2,45		2,19		2,19		2,19			
COP			2,59	2,61		2,64		2,5		2,61		2,64		2,5		2,64		2,5		2,5		2,5			
Capacity Steps			%																						
Dimensions	(Height x Width x Depth)	mm																							
Unit			1.230x1.290x734					1.450x1.290x734					1.321x2.580x734					1.541x2.580x734							
Operating Weight			163	181	193	227	241	253	258	272	284	258	272	284	455	473	485	516	534	546	516	534	546		
Water Heat Exchanger	Type	Brased plate																							
	Minimum water volume in the system	l		43			82			100			119			82			96			119			
	Water flow rate	l/min	Min		21			31			38			45			61			72			89		
			Max	68			106			137			155			212			263			309			
	Nominal Water pressure drop	kPa	Cooling		10			25			24			33			12			19			19		
			Heating	17			29			31			38			14			16			22			
Air heat exchanger	Type	Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																							
Buffer tank volume	Volume	l		-	55	-	55	-	55	-	55	-	55	-	55	-	55	-	55	-	55	-	55		
Sound Power	Cooling	dBA		67			76			78			79			81			81			81			
Compressor	Type	Hermetically sealed scroll compressor																							
	Model	Quantity		1					1					2					2						
Refrigerant circuit	Refrigerant type	R-407C																							
	Refrigerant charge	kg		4,6			4,7			5,4			10,2			10,8			11,2			11,2			
	No of circuits	1																							
	Refrigerant control	Thermostatic expansion valve																							
Power Supply	3N~/400V/50Hz																								
Piping connections	Evaporator water inlet/outlet	1-1/4"15mm										2"15mm													



EWAQ-DAYN

Air Cooled

- Wide capacity range: 80 to 260kW with 8 cooling only models
- R-410A refrigerant
- Multiple refrigerant circuits and multiple compressors per circuit
- Reliable and efficient scroll with high EER values
- Good part load efficiency (seasonal EER)
- Anti-corrosion treated aluminium coils
- Low operating noise levels
- Easy 'plug and play' installation
- Unit dimensions allow easy transport
- Fans protected against abnormal operation (4 - 8 fans depending on unit size)
- Safety valves in each circuit
- Electronic circuit breakers
- Electronic expansion valve
- True dual plate brazed plate heat exchanger
- Sight glass
- All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- Separate switchbox for easy access
- Compressors and controls at side of unit
- Increased reliability via 2 independent refrigerant circuits
- Double circuit heat exchanger (from >100 kW)
- Non hermetic filter/dryer
- New Daikin controller (Pcaso) with user friendly and powerful LCD interface



EWAQ130-150DAYN



PCASO

COOLING ONLY

			080	100	130	150	180	210	240	260		
Capacity	Cooling	kW	80	105	131	152	182	209	236	254		
Nominal input	Cooling	kW	26,4	36,2	46,6	56,3	64,5	74,6	82,8	94,0		
EER			3,03	2,90	2,81	2,70	2,82	2,80	2,85	2,70		
Capacity Steps		%	0-50-100		0-25-50-75-100		2129-4350-57-71/79-100	0-25-50-75-100	2278-4050-56-72/78-100	0-25-50-75-100		
Dimensions	(Height x Width x Depth)	mm	2.311x2.000x2.566		2.311x2.000x2.631		2.311x2.000x3.081		2.311x2.000x4.850			
Unit		kg	1.350	1.400	1.500	1.550	1.800	1.850	3.150	3.250		
Operating Weight		kg	1.315	1.415	1.517	1.569	1.825	1.877	3.189	3.292		
Water Heat Exchanger	Type		Brased plate									
	Minimum water volume in the system	l	358	470	295	341	408	468	529	569		
	Water flow rate	l/min	115	151	188	218	261	300	339	364		
		l/min	459	602	754	871	1.043	1.198	1.355	1.456		
Nominal Water Pressure Drop	Cooling	kPa	59	58	52	49	52	53	51	47		
Air heat exchanger	Type		Cross fin coil / Hi-Xss tubes and PE coated									
Sound Power	Cooling	dBA	86		88	89	90	91				
Compressor	Type		Scroll compressor									
	Model	Quantity	2		4		2	4	2	4		
Refrigerant circuit	Refrigerant type		R-410A									
	Refrigerant charge	kg	33		19	25	29	28	39			
	No of circuits		1		2							
	Refrigerant control		Electronic expansion valve									
Power Supply			3~/400V/50Hz									
Piping connections	Water heat exchanger inlet / outlet		3" od									
	Water heat exchanger drain		1/2" g									



EWYQ-DAYN

Air Cooled

- Wide capacity range: 80 to 250kW with 8 heat pump models
- R-410A refrigerant
- Multiple refrigerant circuits and multiple compressors per circuit
- Reliable and efficient scroll with high EER values
- Good part load efficiency (seasonal EER)
- Anti-corrosion treated aluminium coils
- Low operating noise levels
- Easy 'plug and play' installation
- Unit dimensions allow easy transport
- Fans protected against abnormal operation (4 - 8 fans depending on unit size)
- Safety valves in each circuit
- Electronic circuit breakers
- Electronic expansion valve
- True dual plate brazed plate heat exchanger
- Sight glass
- All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- Separate switchbox for easy access
- Compressors and controls at side of unit
- Increased reliability via 2 independent refrigerant circuits
- Double circuit heat exchanger (from >100 kW)
- Non hermetic filter/dryer
- New Daikin controller (Pcaso) with user friendly and powerful LCD interface



EWYQ130-150DAYN



PCASO

HEAT PUMP

			080	100	130	150	180	210	230	250										
Capacity	Cooling	kW	77	100	136	145	183	211	231	252										
	Heating	kW	87,7	114	149	165	199	225	258	281										
Nominal input	Cooling	kW	26,5	36,2	47,6	55,7	63,8	75,3	82,2	93,5										
	Heating	kW	30,0	38,1	49,6	58,8	68,0	77,0	84,2	96,6										
EER			2,91	2,76	2,86	2,6	2,87	2,8	2,81	2,70										
COP			2,92	2,99	3	2,81	2,93	2,92	3,06	2,91										
Capacity Steps	%		0-50-100		0-25-50-75-100		21/29-43/50-57-71/79-100		22/28-44/50-56-72/78-100		0-25-50-75-100									
Dimensions	(Height x Width x Depth)		mm			2.311x2.000x2.631		2.311x2.000x3.081		2.311x2.000x4.850										
Unit			kg		1.400		1.450		1.550		1.600									
Operating Weight			kg		1.415		1.465		1.567		1.619									
Water Heat Exchanger	Type																			
	Minimum water volume in the system		l		393		511		334		370		446		504		578		629	
	Water flow rate	l/min	110		143		195		208		262		302		331		361			
		l/min	503		654		854		946		1.141		1.290		1.479		1.611			
Nominal Water Pressure Drop	Cooling/Heating	kPa		36/47		36/46		43/51		38/49		41/48		44/50		39/48		38/46		
Air heat exchanger	Type		Cross fin coil / Hi-Xss tubes and PE coated																	
Sound Power	Cooling	dBA		86		88		89		90		91								
Compressor	Type		Scroll compressor																	
	Model	Quantity		2		4		2		4		2		4						
Refrigerant circuit	Refrigerant type		R-410A																	
	Refrigerant charge	kg		33		37		22		32		39								
	No of circuits	1		2																
Power Supply	Refrigerant control		Electronic expansion valve																	
			3~/400V/50Hz																	
Piping connections	Water heat exchanger inlet / outlet		3" od																	
	Water heat exchanger drain		1/2" g																	



EWYD-AJYNN

Air Cooled

- Cooling function available on demand
- Doubling up of major components provides the equivalent of two chiller units in one base frame
- Excellent EER and COP values
- Extremely low operating noise during part load cycles
- No electric current surge
- No gas boiler required
- Optimized defrost cycles
- Optimum ESEER values
- Partial heat recovery available
- PID microprocessor control
- Power factor up to 0.95
- Rapid set-point achievement
- Significant savings in installation costs
- Substantial cost savings compared to a traditional gas boiler installation
- Twin independent refrigerating circuits ensure operational back up and unit reliability
- Wide operating range



EWYD-AJYNN



pCO²

HEAT PUMP

			260	280	300	320	340	360	380	
Capacity	Cooling	kW	255	275	298	321	343	368	385	
	Heating	kW	274	306	330	341	361	397	412	
Nominal input	Cooling	kW	89,8	99,3	108	116	123	132	142	
	Heating	kW	89,5	99,1	108	117	123	131	139	
EER			2,84	2,77	2,76	2,77	2,79		2,71	
COP			3,06	3,09	3,06	2,91	2,93	3,03	2,96	
Dimensions	(Height x Width x Depth)	mm	2335x2254x3547				2335x2254x4783			
Unit		kg	3370				4020			
Operating Weight		kg	3500				4150			
Water Heat Exchanger	Type		Shell and tube							
	Nominal Water Pressure Drop	Cooling	kPa	60	65	74	50	53	60	65
		Heating	kPa	69	79	90	56	58	69	74
Air heat exchanger	Type		Grooved tubes and ALU coated loured fins							
Sound Power	Cooling	dBA	99,5				100,4			
	Heating	dBA	-				-			
Compressor	Type		Semi-hermetic single screw compressor							
	Model	Quantity							2	
Refrigerant circuit	Refrigerant type		R-134a							
	Refrigerant charge	kg	76		84	96		104		
	No of circuits								2	
Power Supply			3~/400V/50Hz							
Piping connections	Evaporator water inlet/outlet		5"							



EWAD-MBYN

Air Cooled



EWAD170MBYN



pCO²

- All models are PED pressure vessel approved
- Daikin semi-hermetic single screw stepless compressor
- Optimised for use with R-134a
- Advanced pCO² DDC controller
- Standard operation range down to -15°C ambient
- High quality, anti-corrosion treated components as standard
- Reverse phase protection as standard
- Moisture indicator as standard
- Victaulic joints as standard
- Flow switch as standard
- Low operating sound level - extra low noise option available
- DICN (Daikin Integrated Chiller Network) operation as standard within same series
- Evaporator heater tape as standard on all units
- Double refrigeration circuit (from 240kW on)
- Chilled water temperatures down to -10°C on standard unit (parameter in the service menu of the pCO² digital controller must be set by the installer)
- Hi-esp fans (up to 150Pa) available as option
- High energy efficiency ratio

COOLING ONLY

			120	150	170	240	300	340	380	460	520	600		
Capacity		kW	121	149	171	226	286	330	372	449	525	605		
Nominal input	Cooling	kW	41,1	54,1	64,9	83,7	105	136	130	170	210	263		
EER			2,94	2,75	2,63	2,7	2,72	2,43	2,86	2,64	2,5	2,3		
Capacity Steps		%	30-100						15-100					
Dimensions	(Height x Width x Depth)	mm	2.221x3.973x1.109				2.250x4.280x2.238			2.250x5.901x2.238				
Unit		kg	1.391	1.600	1.705	2.710	3.210	3.260	5.335	5.595	5.775	5.855		
Operating Weight		kg	1.441	1.663	1.768	2.790	3.340	3.390	5.497	5.779	5.959	6.039		
Water Heat Exchanger	Type		Shell and tube											
	Minimum water volume in the system	l	590	730	840	550	700	810	910	1.100	1.280	1.480		
	Water flow rate	l/min	150	200		300	395		540	640			870	
		l/min	490	725		930	1.165		1.580	1.880				
Nominal Water Pressure Drop	Cooling	kPa	40,1	18,6	24,8	41	36,6	49,1	20,8	25,6	35,1	46,6		
Air heat exchanger	Type		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins											
Sound Power	Cooling	dBA	87	94	92	90	97	95	97	98	100	101		
Compressor	Type		Semi-hermetic single screw compressor											
	Model	Quantity	1					2						
Refrigerant circuit	Refrigerant type		R-134a											
	Refrigerant charge	kg	26	37	42	30	41	44	65	70				
	No of circuits		1					2						
	Refrigerant control		Thermostatic expansion valve						Electronic expansion valve					
Power Supply			3~/400V/50Hz											
Piping connections	Evaporator water inlet/outlet		3" victaulic coupling 1/2" g-f uni-iso 228/1			4" victaulic coupling 1/2" g-f uni-iso 228/1			5" victaulic coupling 1/2" g-f uni-iso 228/1			6" victaulic coupling 1/2" g-f uni-iso 228/1		



EWAD-AJYNN

Air Cooled

- Stepless single-screw compressor
- Optimised for use with R-134a
- 2 truly independent refrigerant circuits
- Standard anti-corrosion treated
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Fitted standard with evaporator heater tape
- Condenser protection grilles are available throughout the whole range
- All models are PED pressure vessel approved
- Partial and total heat recovery option available



EWAD-AJYNN



pCO²

COOLING ONLY

			190	200	230	260	280	300	320	340	360	400	440	480	500	550	600	
Capacity	Cooling	kW	184,0	197,8	225,0	245,0	261,0	275,0	298,4	321,0	370,0	401,3	451,0	478,7	510,1	551,0	588,0	
Nominal input	Cooling	kW	81,3	79,6	84,6	93,5	101,3	108,3	119,4	123,4	133,4	155,7	167,0	177,6	186,9	195,6	202,9	
EER			2,26	2,48	2,66	2,62	2,58	2,54	2,50	2,60	2,77	2,58	2,70	2,69	2,73	2,82	2,90	
Capacity Steps		%	12,5 - 100															
Dimensions	(Height x Width x Depth)	mm	2.340x2.235x2.240					2.340x2.235x3.140					2.340x2.235x4.040		2.340x2.235x4.040			
Unit		kg	2.380	2.466	2.766		2.806	2.846		3.166	3.186	3.552	3.932	3.997	4.052	4.092	4.122	
Operating Weight		kg	2.405	2.497	2.859		2.896	2.936		3.279	3.299	3.680	4.102	4.161	4.216	4.252	4.282	
Water Heat Exchanger	Type		Plate to plate heat exchanger					Shell and tube										
	Minimum water volume in the system	l	25	31	93		90		113	128	170	164		160				
	Water flow rate	Min	l/min	311	374	327	333	361	368		503	512	920,32	1.240,87	1.317,08	1.403,20	1.516,00	1.617,81
		Nominal	l/min	527	567	645	702	748	788	855	920	1.061	1.150,41	1.292,57	1.371,96	1.461,67	1.579,17	1.685,22
Max		l/min	985	1.182	1.033	1.053	1.141	1.162	1.164	1.590	1.618	1.380,49	1.551,09	1.646,35	1.754,00	1.895,01	2.022,26	
Air heat exchanger	Type		Grooved tubes and ALU coated louvred fins															
Sound Power	Cooling	dB(A)	93,7			94,3			94,7	97,2	95,8		96,7		98,2	98,7		
Compressor	Type		Semi-hermetic single screw compressor															
	Model	Quantity	2		1	2	1	2	1	2	1	2	1	2	1	2	1	2
Refrigerant circuit	Refrigerant type		R-134a															
	Refrigerant charge	kg	44	60		70		80		70	80	78	76					
	No of circuits		2															
Power Supply			3~/400V/50Hz															
Piping connections	Evaporator water inlet/outlet		3" 1/2" gas			4" 1/2" gas			1/2" gas									



EWAD-AJYNN/A

Air Cooled

- High efficiency
- Stepless single-screw compressor
- Optimised for use with R-134a
- 2 truly independent refrigerant circuits
- Standard anti-corrosion treated
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Fitted standard with evaporator heater tape
- Condenser protection grilles are available throughout the whole range
- All models are PED pressure vessel approved
- Partial and total heat recovery option available



EWAD-AJYNN/A



pCO²

COOLING ONLY

			260	280	320	340	360	380	420	500	550	600	650	
Capacity	Cooling	kW	247,0	275,0	301,5	327,0	351,0	376,0	401,0	501,4	531,5	582,2	626,6	
Nominal input	Cooling	kW	79,2	87,3	94,2	103,8	112,8	120,2	127,5	160,6	170,9	183,5	195,4	
EER			3,12	3,15	3,20	3,15	3,11	3,13	3,15	3,12	3,11	3,17	3,21	
Capacity Steps		%	12,5 - 100											
Dimensions	(Height x Width x Depth)	mm	2340x2235x3140				2340x2235x4040				2340x2235x4940			
Unit		kg	2866	3186	3286	3366	3376	3321	3386	4252	4642		4652	
Operating Weight		kg	2959	3299	3399	3530	3535	3480	3545	4515	4905		4908	
Water Heat Exchanger	Type		Shell and tube											
	Minimum water volume in the system	l	93	113			164	159			263	256		
	Water flow rate	Min	l/min	373	489	495	537	586	593	598	1152,09	1221,25	1337,75	1439,77
		Nominal	l/min	708	788	864	937	1006	1078	1150	1440,11	1526,57	1672,19	1799,71
Max		l/min	1180	1546	1565	1697	1853	1876	1890	1728,14	1831,88	2006,63	2159,66	
Air heat exchanger	Type	Grooved tubes and ALU coated louvred fins												
Sound Power	Cooling	dB(A)	96,8	97,2				99,7		98,7	99,2			
Compressor	Type	Semi-hermetic single screw compressor												
	Model	Quantity	2	1	2	1	2	1	2	1	2	1	2	
Refrigerant circuit	Refrigerant type	R-134a												
	Refrigerant charge	kg	80		100	110		95	110	80	104			
	No of circuits	2												
Power Supply	3~/400V/50Hz													
Piping connections	Evaporator water inlet/outlet	4"1/2" gas						1/2" gas						



EWAD-AJYNN/H

Air Cooled

- High ambient
- Stepless single-screw compressor
- Optimised for use with R-134a
- 2 truly independent refrigerant circuits
- Standard anti-corrosion treated
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Fitted standard with evaporator heater tape
- Condenser protection grilles are available throughout the whole range
- All models are PED pressure vessel approved
- Partial and total heat recovery option available



EWAD-AJYNN/H



pCO²

COOLING ONLY

			200	210	240	260	280	300	320	340	400	420	460	480	500	550	600	
Capacity	Cooling	kW	194,6	208,3	233,5	256,1	273,7	289,3	306,4	335,6	381,2	426,0	468,1	502,1	529,5	561,0	600,4	
Nominal input	Cooling	kW	77,2	75,6	83,0	91,0	97,8	103,9	112,1	120,3	127,4	146,5	160,3	170,8	180,1	192,2	198,4	
EER			2,52	2,76	2,81	2,80	2,78	2,73	2,79	2,99	2,91	2,92	2,92	2,94	2,92	2,92	3,03	
Capacity Steps		%	12,5 - 100															
Dimensions	(Height x Width x Depth)	mm	2340x2235x2240			2340x2235x3140				2340x2235x4040				2340x2235x4940				
Unit		kg	2380	2466	2766	2806	2846	3166	3186	3942	4202	4277	4332	4392	4402	4402	4402	
Operating Weight		kg	2405	2497	2859	2896	2936	3279	3299	4112	4372	4441	4496	4552	4562	4562	4562	
Water Heat Exchanger	Type		Plate to plate heat exchanger				Shell and tube											
	Minimum water volume in the system	l	25	31	93	90	113	170	164	160								
	Water flow rate	Min	l/min	314	378	331	337	366	369	373	507	518	976,74	1073,26	1151,22	1214,04	1286,27	1376,60
		Nominal	l/min	558	597	669	734	785	829	878	962	1093	1220,92	1341,58	1439,03	1517,55	1607,83	1720,75
Max		l/min	994	1194	1045	1065	1157	1167	1179	1603	1638	1465,11	1609,90	1726,83	1821,07	1929,40	2064,90	
Air heat exchanger	Type	Grooved tubes and ALU coated louvred fins																
Sound Power	Cooling	dB(A)	98,2	98,8				99,2	101	96,7	97,7	99,2	99,7					
Compressor	Type	Semi-hermetic single screw compressor																
	Model	Quantity	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Refrigerant circuit	Refrigerant type	R-134a																
	Refrigerant charge	kg	44	60	70	80	76	86	95	104								
	No of circuits	2																
Power Supply	3~/400V/50Hz																	
Piping connections	Evaporator water inlet/outlet	1/2" gas																



EWAD-AJYNN/Q

Air Cooled

- Standard efficiency extra low noise
- Stepless single-screw compressor
- Optimised for use with R-134a
- 2 truly independent refrigerant circuits
- Standard anti-corrosion treated
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Fitted standard with evaporator heater tape
- Condenser protection grilles are available throughout the whole range
- All models are PED pressure vessel approved
- Partial and total heat recovery option available



EWAD-AJYNN/Q



pCO²

COOLING ONLY

			210	240	260	280	300	320	340	400	440	460	500	
Capacity	Cooling	kW	203,0	231,1	252,7	270,8	286,1	299,4	308,8	400,5	428,5	458,4	500,8	
Nominal input	Cooling	kW	79,8	85,2	93,7	104,5	114,5	126,1	136,3	156,0	173,8	182,4	189,9	
EER			2,54	2,71	2,70	2,59	2,50	2,37	2,27	2,57	2,47	2,51	2,64	
Capacity Steps		%	12,5 - 100											
Dimensions	(Height x Width x Depth)	mm	2340x2235x3140			2340x2235x4040						2340x2235x4940		
Unit		kg	3046	3366	3466	3546	3556			3567	3722	3912	3972	
Operating Weight		kg	3136	3479	3579	3710	3715			3737	3892	4076	4136	
Water Heat Exchanger	Type		Shell and tube											
	Minimum water volume in the system	l	90	113			164	159			170		164	
	Water flow rate	Min	l/min	364	474	483	518	566	572	571	918,27	982,47	1051,02	1148,24
		Nominal	l/min	582	662	724	776	820	858	885	1147,84	1228,09	1313,78	1435,30
Max		l/min	1152	1500	1527	1637	1790	1809	1807	1377,41	1473,70	1576,54	1722,36	
Air heat exchanger	Type	Grooved tubes and ALU coated louvred fins												
Sound Power	Cooling	dB(A)	84,3		84,7						85,7		86,2	
Compressor	Type		Semi-hermetic single screw compressor											
	Model	Quantity	2	1	2	1	2	1	2	1	2	1	2	
Refrigerant circuit	Refrigerant type		R-134a											
	Refrigerant charge	kg	80		100		110			72	80	83	86	
	No of circuits		2											
Power Supply			3~/400V/50Hz											
Piping connections	Evaporator water inlet/outlet		1/2" gas											



EWAD-BJYNN

Air Cooled

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 640–1,772kW
- EER range up to 2.93
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Several operating sound levels down to 100dB
- Partial and total heat recovery option available



EWAD-BJYNN



pCO²

COOLING ONLY

			650	700	750	850	900	950	C10	C11	C12	C13	C14	C15	C16	C18				
Capacity	Cooling	kW	640	700	761	817	886	988	1057	1109	1166	1226	1322	1520	1641	1772				
Nominal input	Cooling	kW	233	250	271	290	302	358	372	396	417	435	452	540	580	604				
EER			2,75	2,8	2,81	2,82	2,93	2,76	2,84	2,8		2,82	2,92	2,81	2,83	2,93				
Capacity Steps		%	stepless 12.5 - 100					stepless 8.3 - 100					stepless 6,25 - 100							
Dimensions	(Height x Width x Depth)	mm	2520x2230x5310			2520x2230x6210			2520x2230x7400		2520x2230x8270			2520x2230x9200			2500x2230x1000		2520x2230x11900	
Unit		kg	4910	4990	5256	5480	5580	7550	7830		8420		8570		9552	10632	10832			
Operating Weight		kg	5130	5200	5520	5734	5834	7970	8250		8830		8980		10024	11140	11340			
Water Heat Exchanger	Type		Shell and tube																	
	Minimum water volume in the system	l	254			246			415		402			254 + 246		246 + 246				
	Water flow rate	l/min	960	962	840	844	1136	1011	1015	1408	1406	1412	1413	1867	1684	2295				
		Nominal	1834	2007	2182	2343	2540	2832	3029	3180	3341	3515	3791	4359	4704	5081				
		Max	3035	3043	2655	2670	3593	3197	3210	4453	4445	4464	4467	5904	5327	7258				
Air heat exchanger	Type		Grooved tubes and ALU coated loured fins																	
Sound Power	Cooling	dB(A)	100				101	100	101				102				103			
Compressor	Type		Semi-hermetic single screw compressor																	
	Model	Quantity	1	2	1	2	3	1	3	2	4									
Refrigerant circuit	Refrigerant type		R-134a																	
	Refrigerant charge	kg	99	108	118	128	153	162	172	182	192	236	256							
	No of circuits		2					3					4							
	Refrigerant control		Electronic expansion valve																	
Power Supply			3~/400V/50Hz																	
Piping connections	Evaporator water inlet/outlet		victaulic, diameter 168.3mm 1/2" gas					victaulic, diameter 219.1mm 1/2" gas					victaulic, diameter 168.3mm 1/2" gas							



EWAD-BJYNN/A

Air Cooled

- High efficiency
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 667–1920kW
- EER range up to 3.32
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Several operating sound levels down to 100dB
- Partial and total heat recovery option available



EWAD-BJYNN/A



pCO²

COOLING ONLY

			650	700	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21							
Capacity	Cooling	kW	667	723	800	855	903	926	974	1038	1094	1177	1222	1282	1354	1430	1557	1710	1806	1920							
Nominal input	Cooling	kW	223	237	259	278	292	287	294	343	355	377	399	415	433	430	520	558	584	603							
EER			2,99	3,05	3,09	3,08	3,09	3,23	3,31	3,03	3,08	3,12	3,06	3,09	3,13	3,33	2,99	3,06	3,09	3,18							
Capacity Steps		%	stepless 12.5 - 100						stepless 12.5-100		stepless 8.3 - 100						stepless 6.25 - 100										
Dimensions	(Height x Width x Depth)	mm	2520x2230x6210			2520x2230x7110			2520x2230x8300			2520x2230x9200			2520x2230x10100			2520x2230x11000			2520x2230x12800			2520x2230x13670			
Unit		kg	5205	5419	5660	5790	5890	6333	6563	8420		8950		9390		9540		10355	10960	11168	11368	12144					
Operating Weight		kg	5410	5624	5910	6040	6140	6589	6967	8830		9360		9800		9950		10931	11420	11678	11878	13036					
Water Heat Exchanger	Type		Shell and tube																								
	Minimum water volume in the system	l	254			246			244		392		415				402			533		254+246		246+246		392+392	
	Water flow rate	Min	l/min	956	966	843	845	1141	1266	1861	1015	1017	1407		1410	1418	1988	1861	1697	2293	3711						
		Nominal	l/min	1911	2072	2293	2450	2589	2656	2792	2976	3136	3375	3504	3676	3882	4099	4463	4903	5178	5504						
Max		l/min	3022	3055	2666	2673	3608	4004	5885	3209	3217	4450		4458	4483	6287	5886	5366	7250	11734							
Air heat exchanger	Type	Grooved tubes and ALU coated louvred fins																									
Sound Power	Cooling	dB(A)	101	100		101						102			103		102		103								
Compressor	Type		Semi-hermetic single screw compressor																								
	Model	Quantity	1	2	1	2				1	3	1	3			2		4									
Refrigerant circuit	Refrigerant type		R-134a																								
	Refrigerant charge	kg	107	116	126	136		146	156	165	174	184	194	204	214	224	252	272		282							
	No of circuits		2						3						4												
Power Supply			3~/400V/50Hz																								
Piping connections	Evaporator water inlet/outlet		victaulic, diameter 168.3mm 1/2" gas						victaulic, diameter 219.1mm 1/2" gas						victaulic, diameter 168.3mm 1/2" gas												



EWAD-BJYNN/Q

Air Cooled

- Standard efficiency extra low noise
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 538–1,197kW
- EER range up to 2.76
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Several operating sound levels down to 86dB
- Partial and total heat recovery option available



EWAD-BJYNN/Q



pCO²

COOLING ONLY

			550	600	650	700	750	800	850	900	950	C10	C11	C12		
Capacity	Cooling	kW	538	604	667	725	780	805	893	944	1015	1056	1102	1197		
Nominal input	Cooling	kW	223	235	249	267	286	335	347	361	371	390	407	434		
EER			2,41	2,57	2,68	2,72	2,73	2,4	2,57	2,61	2,74		2,71	2,76		
Capacity Steps		%	stepless 12.5 - 100						stepless 8.3 - 100							
Dimensions	(Height x Width x Depth)	mm	2520x2230x6310	2520x2230x6210	2520x2230x7110			2520x2230x8300			2520x2230x9200		2520x2230x10100		2520x2230x11000	
Unit		kg	5230	5445	5659	5900	6030	8190			8725		9310		9750	
Operating Weight		kg	5440	5650	5864	6150	6280	8610			9150		9720		10160	
Water Heat Exchanger	Type		Shell and tube													
	Minimum water volume in the system	l	261	254		246		424		415			402			
	Water flow rate	l/min	716	953	956	841	839	1053	1008	1012	1013	1397	1406	1413		
		Nominal	l/min	1543	1731	1912	2078	2235	2307	2559	2705	2909	3028	3160	3431	
		Max	l/min	2263	3013	3023	2661	2652	3330	3187	3199	3203	4417	4447	4467	
Air heat exchanger	Type		Grooved tubes and ALU coated loured fins													
Sound Power	Cooling	dBA	86						87					88		89
Compressor	Type		Semi-hermetic single screw compressor													
	Model	Quantity	2	1	2	1	2	3	1	3	1	3	1	3		
Refrigerant circuit	Refrigerant type		R-134a													
	Refrigerant charge	kg	98	107	116	126	136	147	156	165	174	184	194	204		
	No of circuits		2						3							
	Refrigerant control		Electronic expansion valve													
Power Supply			3~/400V/50Hz													
Piping connections	Evaporator water inlet/outlet		victaulic, diameter 168.3mm 1/2" gas						victaulic, diameter 219.1mm 1/2" gas							



EWAD-BJYNN/Z

Air Cooled

- High efficiency and extra low noise
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 569–1013kW
- EER range up to 2.75
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Several operating sound levels down to 86dB
- Partial and total heat recovery option available



EWAD-BJYNN/Z



pCO²

COOLING ONLY

			600	650	700	850	900	950	C10	
Capacity	Cooling	kW	569	631	668	840	914	953	1013	
Nominal input	Cooling	kW	220	241	268	328	342	367	368	
EER			2,59	2,62	2,49	2,56	2,67	2,6	2,75	
Capacity Steps		%	stepless 12.5 - 100			stepless 8.3 - 100				
Dimensions	(Height x Width x Depth)	mm	2520x2230x6210	2520x2230x7110		2520x2230x9200	2520x2230x10100		2520x2230x11000	
Unit		kg	5659	5900	6030	8725	9310		9750	
Operating Weight		kg	5864	6150	6280	9150	9720		10160	
Water Heat Exchanger	Type		Shell and tube							
	Minimum water volume in the system	l	254	246		415	402			
	Water flow rate	Min	l/min	958	843		1032	1318	1317	1325
		Nominal	l/min	1631	1808	1914	2409	2620	2731	2903
Max		l/min	3028	2665	2666	3263	4169	4164	4189	
Air heat exchanger	Type		Grooved tubes and ALU coated louvred fins							
Sound Power	Cooling	dB(A)	86			87	88			
Compressor	Type		Semi-hermetic single screw compressor							
	Model	Quantity	2	1	2	3	1		3	
Refrigerant circuit	Refrigerant type		R-134a							
	Refrigerant charge	kg	106	115	124	159	168	177	186	
	No of circuits		2			3				
Power Supply			3~/400V/50Hz							
Piping connections	Evaporator water inlet/outlet		victaulic, diameter 168.3mm 1/2" gas			victaulic, diameter 219.1mm 1/2" gas				



EWAP-MBYN

Air Cooled



EWAP200MBYN



pCO²

- All models are PED pressure vessel approved
- Daikin semi-hermetic single screw stepless compressor
- Optimised for use with R-407C
- Advanced pCO² DDC controller
- Standard operation range down to -15°C ambient
- High quality, anti-corrosion treated components as standard
- Reverse phase protection as standard
- Moisture indicator as standard
- Victaulic joints and filter as standard
- Flow switch as standard
- Low operating sound level - extra low noise option available
- DICN (Daikin Integrated Chiller Network) operation as standard within same series
- Evaporator heater tape as standard on all units
- Double refrigeration circuit (from 400kW on)
- Chilled water temperatures down to -10°C on standard unit (parameter in the service menu of the pCO² digital controller must be set by the installer)
- Inverter fans available as option
- Hi-esp fans (up to 150Pa) available as option
- Heat recovery option available (EWTP-MBY)

COOLING ONLY

			110	140	160	200	280	340	400	460	540	
Capacity	Cooling	kW	111,00	144,00	164,00	199,00	285,00	349,00	395,00	468,00	541,00	
Nominal input	Cooling	kW	41,90	51,80	64,30	78,10	108,00	140,00	156,00	189,00	222,00	
EER			2,65	2,78		2,55	2,64	2,49	2,53	2,48	2,44	
Capacity Steps		%	30-100						15-100			
Dimensions	(Height x Width x Depth)	mm	2250x2346x2238				2250x4280x2238			2250x5901x2238		
Unit		kg	1417	1571	1660	2203	2583	2633	4865	4988	5111	
Operating Weight		kg	1425	1584	1676	2223	2610	2667	4939	5069	5199	
Water Heat Exchanger	Type		Brased plate, one per circuit									
	Minimum water volume in the system	l	540	700	800	970	1390	1710	970	1140	1320	
	Water flow rate	l/min	160	205	235	285	410	500	565	670	775	
		Max	l/min	640	825	940	1140	1640	2000	2265	2680	3100
Nominal Water Pressure Drop	Cooling	kPa	50,0	48,0	41,0	31,0	42,0	52,0	35,0	39,0	44,0	
Air heat exchanger	Type		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins									
Sound Power	Cooling	dBA	91	96		97	99	100		101		
Compressor	Type		Semi-hermetic single screw compressor									
	Model	Quantity	1									
Refrigerant circuit	Refrigerant type		R-407C									
	Refrigerant charge	kg	27,0	39,0	42,0	58,0	84,0		128,0	129,0	130,0	
	No of circuits		1						2			
Power Supply	Refrigerant control		Thermostatic expansion valve									
			3~/400V/50Hz									
Piping connections	Evaporator water inlet/outlet		flexible coupling + counterpipe for welding 3" od field installation			flexible coupling + counterpipe for welding 3"1/4" od field installation		flexible coupling + counterpipe for welding 3"1/4" od field installation		flexible coupling + counterpipe for welding 5"1/4" od field installation		
	Relief device outlet		compressor: 1"npt			compressor: 2x1"npt		compressor: 2x1"npt		compressor: 2x1"npt compressor: 1/1"npt+1/2x1"npt compressor: 2x2x1"npt		



EWTP-MBYN

Heat Recovery

- Total heat recovery up to 85% or desuperheater up to 60°C leaving water temperature
- Standard Inverter fans and exchanger heatertape
- Daikin semi-hermetic single screw stepless compressor
- Optimised for use with R-407C
- Advanced pCO² DDC controller
- DICN (Daikin Integrated Chiller Network) operation as standard within same series
- Pressure relief valve
- Reduced energy consumption thanks to optimised condensing temperature by use of inverter fans
- Inverter fans ensure smoother operation and better colour of sound
- Linear sound reduction in function of ambient temperature
- Optional BMS connection available
- Evaporator heater tape as standard on all units
- Multiple capacity steps
- Pre-mounted, 5 inch piping for easier field connection
- Modular design
- Double refrigeration circuit (from 400kW on)
- Standard operation range down to -15°C ambient
- Victaulic joints and filter as standard
- Moisture indicator as standard
- High quality, anti-corrosion treated components as standard
- Chilled water temperatures down to -10°C on standard unit



EWTP280MBYN



pCO²

HEAT RECOVERY

			110	140	160	200	280	340	400	460	540	
Capacity	Cooling	kW	107,00	138,00	158,00	191,00	274,00	335,00	379,00	449,00	520,00	
	Cooling during heat recovery	kW	97,70	126,00	144,00	171,00	251,00	311,00	337,00	401,00	465,00	
	Heat recovery	kW	116,00	148,00	176,00	208,00	301,00	377,00	407,00	434,00	441,00	
Nominal input	Cooling	kW	43,70	54,00	67,00	81,30	113,00	146,00	163,00	197,00	232,00	
	Heat recovery	kW	39,40	47,80	62,40	73,20	103,00	132,00	142,00	177,00	214,00	
EER			2,45	2,56	2,36	2,35	2,42	2,29	2,33	2,28	2,24	
COP			5,44	5,73	5,13	5,17	5,36	5,21	5,24	4,71	4,24	
Capacity Steps		%	30-100 (stepless)						15-100 (stepless)			
Dimensions	(Height x Width x Depth)	mm	2250x2346x2238				2250x4280x2238			2250x5901x2238		
Unit		kg	1465	1629	1723	2266	2646	2727	4990	5113	5236	
Operating Weight		kg	1483	1654	1752	2299	2692	2784	5090	5220	5350	
Water Heat Exchanger	Type		Brased plate, one per circuit									
	Minimum water volume in the system	l	520	680	770	930	1340	1640	930	1100	1270	
		Water flow rate	l/min	160	205	235	285	410	500	565	670	775
	Max	l/min	640	825	940	1140	1640	2000	2265	2680	3100	
Air heat exchanger	Type		Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins									
Sound Power	Cooling	dBA	89	94		95	96	98		99		
Compressor	Type		Semi-hermetic single screw compressor									
	Model	Quantity	1									
Refrigerant circuit	Refrigerant type		R-407C									
	Refrigerant charge	kg	32,0	46,0	49,0	70,0	110,0		79,0		80,0	
	No of circuits		1						2			
	Refrigerant control		Thermostatic expansion valve									
Power Supply			3~/400V/50Hz									
Piping connections	Evaporator water inlet/outlet		flexible coupling + counterpipe for welding 3" o'dfield installation				flexible coupling + counterpipe for welding 3" 1/4" g			flexible coupling 5" 1/4" g		
	Heat recovery condenser inlet/outlet		2" g									



EWAP-AJYNN

Air Cooled

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-407C
- Cooling range: 790–1650kW
- EER range up to 2.35
- 2 -3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Several operating sound levels down to 101dB
- Partial and total heat recovery option available



EWAP-AJYNN



pCO²

COOLING ONLY

			800	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18	
Capacity	Cooling	kW	790	875	944	1026	1092	1158	1284	1354	1426	1516	1583	1650	
Nominal input	Cooling	kW	340	373	405	442	476	507	546	578	609	647	682	717	
EER			2,32	2,35	2,33	2,32	2,29	2,28	2,35		2,34		2,32	2,3	
Capacity Steps		%	stepless 12.5-100					stepless 8.3-100							
Dimensions	(Height x Width x Depth)	mm	2520x6210x2230	2520x7110x2230	2520x8010x2230		2520x9170x2230	2520x10070x2230	2520x10970x2230		2520x11870x2230				
Unit		kg	5165	5425	5555	5795	5905	7990	8305	8435	8890	8905	9155	9265	
Operating Weight		kg	5430	5710	5840	6070	6180	8270	8775	8905	9360	9350	9600	9710	
Water Heat Exchanger	Type		Shell and tube												
	Minimum water volume in the system	l	278	271		256		263	432		419				
	Water flow rate	l/min	882	1090	1096	1371	1373	1212	1614	1626	1642	2357	2359	2365	
		Nominal	l/min	2265	2508	2706	2941	3130	3320	3681	3882	4088	4346	4538	4730
		Max	l/min	2788	3445	3465	4337	4341	3833	5104	5141	5192	7453	7460	7479
Air heat exchanger	Type		Grooved tubes and ALU coated loured fins												
Sound Power	Cooling	dB(A)	101	102		103		104							
Compressor	Type		Semi-hermetic single screw compressor												
	Model	Quantity	2	1	2	1	2	3	1	3	1	3			
Refrigerant circuit	Refrigerant type		R-407C												
	Refrigerant charge	kg	120	130	140	150	160	180	190	200	210	220	230	240	
	No of circuits		2					3							
	Refrigerant control		Electronic expansion valve												
Power Supply			3~/400V/50Hz												
Piping connections	Evaporator water inlet/outlet		victaulic, diameter 219.1mm 1/2" gas					victaulic, diameter 273mm 1/2" gas							



EWAP-AJYNN/A

Air Cooled

- High efficiency
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-407C
- Cooling range: 854–1729kW
- EER range up to 2.69
- 2 -3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Several operating sound levels down to 102dB
- Partial and total heat recovery option available



EWAP-AJYNN/A



pCO²

COOLING ONLY

			850	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18
Capacity	Cooling	kW	854	954	1028	1124	1196	1253	1357	1427	1497	1595	1644	1729
Nominal input	Cooling	kW	319	354	386	424	458	476	512	542	575	611	654	678
EER			2,67	2,69	2,66	2,65	2,61	2,63	2,65	2,63	2,60	2,61	2,51	2,55
Capacity Steps		%	stepless 12.5-100					stepless 8.3-100						
Dimensions	(Height x Width x Depth)	mm	2520x8010x2230	2520x8910x2230	2520x9810x2230		2520x11870x2230	2520x12770x2230	2520x13670x2230		2520x14570x2230			
Unit		kg	5900	6170	6290	6525	6645	9050	9505	9625	10060	10075	10410	10470
Operating Weight		kg	6185	6440	6560	6780	6900	9320	9980	10100	10530	10520	10860	10920
Water Heat Exchanger	Type		Shell and tube											
	Minimum water volume in the system	l	271	256		270		278	432		419			
	Water flow rate	l/min	1084	1351	1374	1169	1176	1560	1629	1643	1634	2346	2356	2390
		Nominal	l/min	2448	2735	2947	3222	3429	3592	3890	4091	4291	4572	4713
	Max	l/min	3428	4271	4345	3696	4934		5153	5195	5166	7417	7452	7559
Air heat exchanger	Type		Grooved tubes and ALU coated louvred fins											
Sound Power	Cooling	dBA	102			103		104			105			
Compressor	Type		Semi-hermetic single screw compressor											
	Model	Quantity	2	1	2	1	2	3	1	3	1	3		
Refrigerant circuit	Refrigerant type		R-407C											
	Refrigerant charge	kg	160	170	180	190	200	240	250	260	270	280	290	300
	No of circuits		2						3					
	Refrigerant control		Electronic expansion valve											
Power Supply			3~/400V/50Hz											
Piping connections	Evaporator water inlet/outlet		victaulic, diameter 219.1mm 1/2" gas						victaulic, diameter 273mm 1/2" gas					



EWLP-KAW1N

Remote Condenser

- Daikin scroll compressor
- Optimised for use with R-407C
- Electronic DDC controller
- Low operating sound level
- Low energy consumption
- Compact dimensions and low refrigerant volume
- Easy installation and maintenance
- Stainless steel plate heat exchanger
- Compatible with hydraulic module
- For EWLP012-065KAW1N following components are standard included: main switch, pressure ports, flow switch, filter, shut-off valves and air purge.



EWLP014KAW1N



MICRO CHILLER

COOLING ONLY

			012	020	026	030	040	055	065
Capacity	Cooling	kW	12,1	20,0	26,8	31,2	40,0	53,7	62,4
Nominal input	Cooling	kW	4,2	6,6	8,5	10,1	13,4	17,8	20,3
EER			2,88	3,03	3,15	3,09	2,99	3,02	3,07
Capacity Steps		%	1				2		
Dimensions	(Height x Width x Depth)	mm	600x600x600				600x600x1200		
Unit		kg	108	141	147	151	252	265	274
Water Heat Exchanger	Type		Brased plate						
	Minimum water volume in the system	l	62	103	134	155	205	268	311
	Water flow rate	l/min	17	29	38	45	57	77	89
		Nominal	l/min	35	57	77	89	115	154
Max		l/min	69	115	153	179	229	307	358
Sound Power	Cooling	dB(A)	64			71	67		74
Compressor	Type		Hermetically sealed scroll compressor						
	Model	Quantity	1				2		
Refrigerant circuit	Refrigerant type		R-407C						
	No of circuits		1				2		
	Refrigerant control		Thermostatic expansion valve						
Power Supply			3N~/400V/50Hz						
Piping connections	Evaporator water inlet/outlet		fbsp 25field installation				fbsp 40field installation		
	Liquid line connection		9.52 flare	12.7 flare			2x12.7 flare		
	Discharge line connection		12.7 flare	19.1 flare			2x19.1 flare		



EWLD-MBYN

Remote Condenser

- All models are PED pressure vessel approved
- Daikin semi-hermetic single screw stepless compressor
- All components optimised for use with R-134a refrigerant
- Advanced pCO² DDC controller
- Moisture indicator as standard
- Victaulic joints as standard
- Low operating sound level - extra low noise option available
- DICN (Daikin Integrated Chiller Network) operation as standard within same series
- Double refrigeration circuit (from 360kW on)
- Chilled water temperatures down to -10°C on standard unit (parameter in the service menu of the pCO² digital controller must be set by the installer)
- Modular design



EWLD120MBYN



pCO²

COOLING ONLY

			120	170	240	260	340	400	480	500	540	
Capacity	Cooling	kW	116,00	170,00	235,00	265,00	340,00	405,00	470,00	500,00	530,00	
Nominal input	Cooling	kW	32,00	49,80	66,50	77,90	99,60	116,00	133,00	144,00	156,00	
EER			3,63	3,41	3,53	3,4	3,41	3,49	3,53	3,47	3,4	
Capacity Steps		%	30-100 stepless				15-100 stepless					
Dimensions	(Height x Width x Depth)	mm	1018x2681 (3051)x930			1018x2681 (3254)x930		2000x2681 (3254)x930				
Unit		kg	891	1110	1342	1428	2220	2452	2684	2770	2856	
Operating Weight		kg	907	1130	1369	1462	2260	2497	2738	2831	2924	
Water Heat Exchanger	Type		Brased plate, one per circuit									
	Minimum water volume in the system	l	570	830	1150	1300	830	990	1150	1220	1295	
	Water flow rate	l/min	175	265	350	400	525	625	700	750	800	
		Nominal	l/min	333	487	674	760	975	1161	1347	1434	1520
		Max	l/min	700	1070	1400	1600	2100	2500	2800	3000	3200
Sound Power	Cooling	dB(A)	87	93	94	93					96	
Compressor	Type		Semi-hermetic single screw compressor									
	Model	Quantity	1			2		1	2	1	2	
Refrigerant circuit	Refrigerant type		R-134a									
	No of circuits		1				2					
	Refrigerant control		Thermostatic expansion valve			Electronic expansion valve		Thermostatic expansion valve		Electronic expansion valve		
Power Supply			3~/400V/50Hz									
Piping connections	Evaporator water inlet/outlet		3" victaulic coupling/fit/insulation			3" victaulic coupling/field installation						
	Liquid line connection		7/8"	1" 1/8	1" 3/8	2x1/8"	1" 1/8 + 1" 3/8	2x1" 3/8				
	Discharge line connection		2" 1/8		2" 5/8	2x(2" 1/8)		2" 1/8 + 2" 5/8	2x(2" 5/8)			



EWWP-KAW1N

Water Cooled

- Daikin scroll compressor
- Optimised for use with R-407C
- Electronic DDC controller
- Low operating sound level
- Low energy consumption
- Extension possible up to 72hp
- Compact dimensions and low refrigerant volume
- Easy installation and maintenance
- Stainless steel plate heat exchanger
- Remote cooling or heating selection
- Water/water heat pump, with water reversibility
- Compatible with hydraulic module
- For EWWP014-065KAW1N following components are standard included: main switch, pressure ports, flow switch, filter, shut-off valves and air purge.



EWWP014KAW1N



pCO²

COOLING ONLY/HEATING ONLY

		014	022	028	035	045	055	065	90	100	110	120	130	145	155	165	175	185	195		
Capacity	Cooling	kW		13,0	21,5	28,0	32,5	43,0	56	65,0	86,0	99,0	112	121	130	142	155	168	177	186	195
Nominal input	Cooling	kW		3,61	5,79	7,48	8,75	12,1	16	18,3	23,6	27,3	31,0	33,1	35,2	39,1	42,8	46,5	48,6	50,7	52,8
EER				3,60	3,71	3,74	3,71	3,55	3,5	3,55	3,64	3,63	3,61	3,66	3,69	3,63	3,62	3,61	3,64	3,67	3,69
Capacity Steps		%		1			2			4			6								
Dimensions	(Height x Width x Depth)	mm		600x600x600				600x600x1200			1200x600x1200			1800x600x1200							
Unit		kg		118	155	165	172	300	320	334	600	620	640	654	668	920	940	960	974	988	1002
Water Heat Exchanger	Type	Brased plate																			
	Minimum water volume in the system	l		62	103	134	155	205	268	311	205	268		311		205		268		311	
	Water flow rate	l/min		24	39	51	59	79	102	118	157	181	205	221	237	260	283	307	323	339	355
		Nominal l/min		48	78	102	118	157	205	237	314	362	410	442	474	519	567	614	647	679	711
Sound Power	Cooling dBA		95	157	203	237	314	410	474	629	724	819	883	948	1038	1133	1229	1293	1357	1422	
			64		71		67		74		71		75	77		73		76	78	79	
Compressor	Type	Hermetically sealed scroll compressor																			
	Model	Quantity		1			2			4	2	4	2	4	2	6	2	6			
Refrigerant circuit	Refrigerant type	R-407C																			
	Refrigerant charge	kg		1,2	2	2,5	3,1	4,6	5,6	9,2		10,2	11,2	13,8		14,8	15,8	16,8			
	No of circuits	1			2			4			6										
Power Supply	Refrigerant control		Thermostatic expansion valve																		
			3N~/400V/50Hz																		
Piping connections	Evaporator water inlet/outlet		fbsp 25field installation				fbsp 40field installation				2 x 2 x fbsp 38field installation				3 x 2 x fbsp 38field installation						
	Condenser water inlet/outlet		fbsp 25field installation				fbsp 40field installation				2 x 2 x fbsp 38field installation				3 x 2 x fbsp 38field installation						



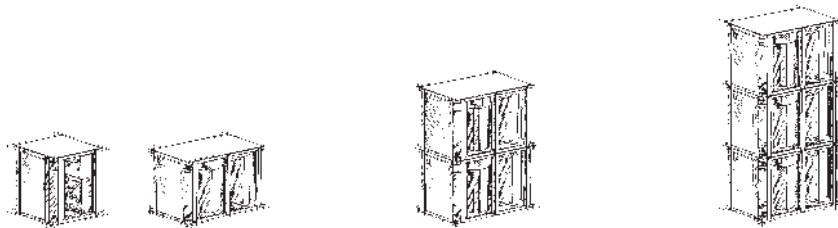
EWWP014-035KAW1N



EWWP090-130KAW1N



EWWP145-195KAW1N



SELECTION TABLE		1 MODULE (KA-SERIES)						2 MODULES (KA-SERIES)						3 MODULES (KA-SERIES)					
		014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Capacity index		014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Cooling capacity (kW)		13	21.5	28	32.5	43	56	65	86	99	112	121	130	142	155	168	177	186	195
Heating capacity (kW)		16	26.2	35.3	41	52.5	71	81	105	124	142	153	164	176	195	213	224	235	246
UNIT + CONTROL (factory mounted)	EWWP014KAW1N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP022KAW1N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP028KAW1N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP035KAW1N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP045KAW1N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP055KAW1N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNIT ONLY (Without Control)	EWWP045KAW1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP055KAW1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP065KAW1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTROL (Kit)	ECB 1 MUW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ECB 2 MUW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ECB 3 MUW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

For example: for a 121 kW -HP system, select :
EWWP055KAW1
+ EWWP065KAW1



EWWD-MBYN

Water Cooled

- All models are PED pressure vessel approved
- Daikin semi-hermetic single screw stepless compressor
- All components optimised for use with R-134a refrigerant
- Advanced pCO² DDC controller
- Moisture indicator as standard
- Victaulic joints as standard
- Low operating sound level - extra low noise option available
- DICN (Daikin Integrated Chiller Network) operation as standard within same series
- Double refrigeration circuit (from 360kW on)
- Chilled water temperatures down to -10°C on standard unit (parameter in the service menu of the pCO² digital controller must be set by the installer)
- Modular design



EWWD120MBYN



pCO²

COOLING ONLY/HEATING ONLY

		120	180	240	280	360	440	500	520	540		
Capacity	Cooling	kW	123,00	183,00	249,00	273,00	366,00	432,00	498,00	522,00	546,00	
	Heating	kW	147,00	216,00	290,00	327,00	431,00	505,00	580,00	617,00	655,00	
Nominal input	Cooling	kW	28,70	45,20	61,60	69,20	90,50	107,00	123,00	131,00	138,00	
	Heating	kW	34,50	54,00	72,80	83,40	108,00	127,00	146,00	156,00	167,00	
EER			4,29	4,05	4,04	3,95	4,04	4,05	3,98	3,96		
COP			4,26	4	3,98	3,92	3,99	3,98	3,97	3,92		
Capacity Steps	%		30-100 stepless				15-100 stepless					
Dimensions (Height x Width x Depth)	mm		1018x2681 (3051)x930	1018x2681 (3254)x930			2000x2681 (3254)x930					
Unit	kg		1000	1273	1527	1623	2546	2800	3034	3150	3346	
Operating Weight	kg		1032	1318	1588	1693	2636	2906	3156	3281	3485	
Water Heat Exchanger	Type		Shell and tube									
	Minimum water volume in the system	l	600	890	1220	1330	895	1055	1215	1275	1335	
	Water flow rate	Min	l/min	217	336	450	520	670	790	900	970	1040
		Nominal	l/min	435	654	890	981	1309	1545	1781	1871	1962
Max		l/min	800	1050	1230	1370	2100	2290	2470	2600	2730	
Sound Power	Cooling	dB(A)	87	93	94	93	96					
Compressor	Type		Semi-hermetic single screw compressor									
	Model	Quantity	1			2	1	2	1	2		
Refrigerant circuit	Refrigerant type		R-134a									
	Refrigerant charge	kg	18,0	35,0	37,0	38,0	70,0	72,0	74,0	75,0	76,0	
	No of circuits		1				2					
	Refrigerant control		Thermostatic expansion valve		Electronic expansion valve		Thermostatic expansion valve		Electronic expansion valve			
Power Supply		3~/400V/50Hz										
Piping connections	Evaporator water inlet/outlet		3" victaulic coupling field installation			3" victaulic coupling field installation						
	Condensator water inlet/outlet		2" 1/2 victaulicm6			3" victaulicm6						
	Relief device outlet		1x1"	2x1"			3x1"	4x1"				



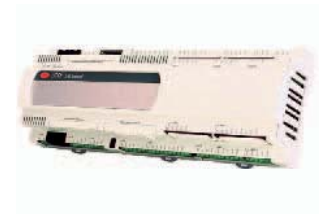
EWWD-DJYNN

Water Cooled

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 165.5–555.7kW
- EER range up to 4
- 1-2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Partial and total heat recovery option available



EWWD-DJYNN



pCO²

COOLING ONLY

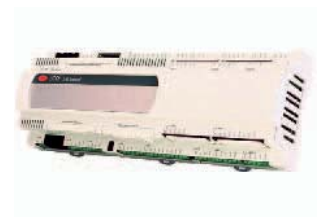
			170	210	260	300	320	380	420	460	500	600		
Capacity	Cooling	kW	165,5	201,2	252,8	280,4	333,9	372,2	402,5	448,3	493,7	555,7		
Nominal input	Cooling	kW	42,1	50,7	64,9	75,4	84,3	93,1	101,4	115,1	129,0	150,2		
EER			3,93	3,97	3,9	3,72	3,96	4	3,97	3,89	3,83	3,7		
Capacity Steps		%	stepless 25-100				stepless 12.5-100							
Dimensions	(Height x Width x Depth)	mm	1860x3435x920				1880x4305x860							
Unit		kg	1393	1410	1503	2687	2697	2702	2757	2762				
Operating Weight		kg	1470	1480	1650	2840	2850	2860	2970					
Water Heat Exchanger	Type		Shell and tube											
	Minimum water volume in the system	l	13	15	26	28	30							
	Water flow rate	Min	l/min	303	357	363	368	603	659	718	726	729	741	
		Nominal	l/min	595	722	911	1020	1199	1334	1445	1615	1785	2024	
	Max	l/min	959	1128	1147	1162	1908	2083	2270	2296	2305	2344		
Sound Pressure	Cooling	dBA	69,7				71,7							
Compressor	Type		Semi-hermetic single screw compressor											
	Model	Quantity	1	2	1	2	1	2						
Refrigerant circuit	Refrigerant type		R-134a											
	Refrigerant charge	kg	50				100							
	No of circuits		1				2							
	Refrigerant control		Electronic expansion valve											
Power Supply		3~/400V/50Hz												
Piping connections	Evaporator water inlet/outlet		1/2" gas											



EWWD-DJYNN/A

Water Cooled

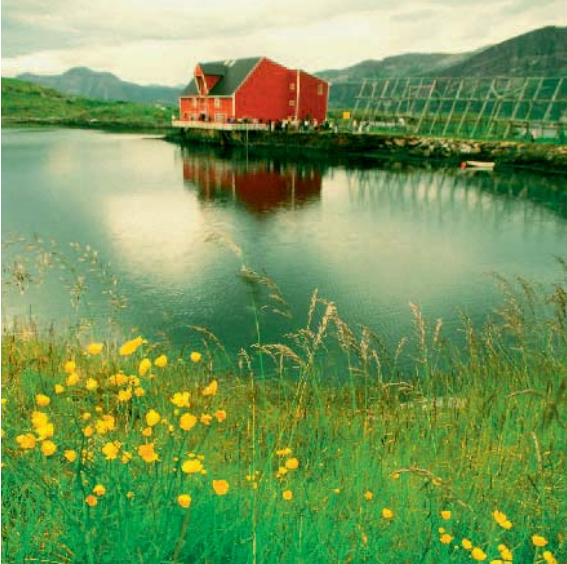
- High efficiency
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 186.4–603.9kW
- EER range up to 4.73
- 1-2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Partial and total heat recovery option available



pCO²

COOLING ONLY

			190	230	280	320	380	400	460	500	550	650		
Capacity	Cooling	kW	186,4	223,3	276,5	306,7	366,3	408,2	443,6	496	540,5	603,9		
Nominal input	Cooling	kW	39,7	48,1	59,3	71,4	79,3	87,2	95	104,8	114,4	137,7		
EER			4,7	4,64	4,66	4,3	4,62	4,68	4,67	4,73	4,72	4,39		
Capacity Steps		%												
Dimensions	(Height x Width x Depth)	mm	1860x3435x920						1880x4305x860					
Unit		kg	1650	1665	1680	2800	2945	2955	2975	2990				
Operating Weight		kg	1800	1810	1820	3020	3280	3290	3315	3340				
Water Heat Exchanger	Type													
	Minimum water volume in the system	l	22	25			44	47	50	59	68			
	Water flow rate	Min	l/min	497	550	609	648	994	1089	1202	1362	1533	1542	
		Nominal	l/min	648	778	963	1084	1277	1420	1544	1722	1877	2126	
	Max	l/min	1572	1740	1925	2048	3145	3444	3801	4306	4847	4877		
Sound Pressure	Cooling	dBA	69,7						71,7					
Compressor	Type													
	Model	Quantity	1				2	1	2	1	2			
Refrigerant circuit	Refrigerant type		R-134a											
	Refrigerant charge	kg	50					100						
	No of circuits		1						2					
	Refrigerant control													
Power Supply			3~/400V/50Hz											



EWWD-CJYNN

Water Cooled

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 334–1893kW
- EER up to 4.68
- 1-2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Partial and total heat recovery option available



EWWD-CJYNN



pCO²

COOLING ONLY

		340	400	480	550	700	750	800	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	
Capacity	Cooling	kW																			
Nominal input	Cooling	kW																			
EER																					
Capacity Steps		stepless 25-100					stepless 12.5-100					stepless 8.3-100					stepless 6.25-100				
Dimensions	(Height x Width x Depth)	1970x3310x900					2070x4300x1290					2320x3770x2160					2320x5151x2240				
Unit		kg																			
Operating Weight		kg																			
Water Heat Exchanger	Type	Shell and tube																			
	Minimum water volume in the system	l																			
	Water flow rate	l/min																			
Sound Pressure	Min	dB(A)																			
	Max	dB(A)																			
	Nominal	dB(A)																			
Compressor	Type	Semi-hermetic single screw compressor																			
	Model	Quantity																			
Refrigerant circuit	Refrigerant type	R-134a																			
	Refrigerant charge	kg																			
	No of circuits	1					2					3					4				
	Refrigerant control	Electronic expansion valve																			
Power Supply		3~/400V/50Hz										3~/380-440V/50Hz									
Piping connections	Evaporator water inlet/outlet	1/2" gas																			



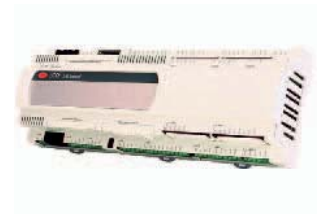
EWWD-BJYNN

Water Cooled

- All models are PED pressure vessel approved
- 1 and 2 stepless single-screw compressors
- Optimised for use with R-134a
- Cooling range: 369–1050kW
- Super high efficiency: EER up to 5.83
- Very high EER values at part loads condition
- Flooded evaporator
- Expansion valve with liquid level control



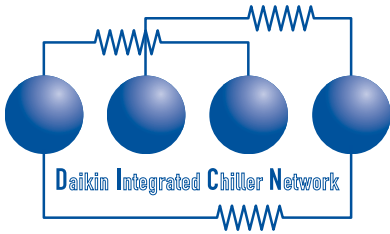
EWWD-BJYNN



pCO²

COOLING ONLY

			380	460	550	750	850	900	C10	C11	
Capacity	Cooling	kW	369	445	521	734	816	895	976	1050	
Nominal input	Cooling	kW	65	77,9	90	129	142	155	167	180	
EER			5,68	5,71	5,79	5,69	5,75	5,77	5,84	5,83	
Capacity Steps		%	stepless 25-100			stepless 12.5-100					
Dimensions	(Height x Width x Depth)	mm	2250x3625x1551	2250x3860x1551		2300x4145x1743		2300x4145x1808	2300x4145x1910		
Unit		kg	3089	3370	3603	5546	5636	6007	6448	6598	
Operating Weight		kg	3250	3588	3870	5911	6045	6460	6972	7163	
Water Heat Exchanger	Type		Flooded shell and tube								
	Water flow rate	Minimum water volume in the system	l	83	111	133	181	199	243		263
		Nominal	l/min	665	948	1086	1478	1703	1904	1924	2146
			Max	l/min	1244	1499	1752	2474	2746	3010	3277
Sound Pressure	Cooling	dBA	2103	2998	3435	4675	5386	6020	6085	6786	
			78	79	80	81	81,5	82	82,5	83	
Compressor	Type		Semi-hermetic single screw compressor								
	Model	Quantity	1				2				
Refrigerant circuit	Refrigerant type		R-134a								
	Refrigerant charge	kg	130	165	180	200	215	230	274	290	
	No of circuits		1								
	Refrigerant control		Electronic expansion valve								
Power Supply			3~/400V/50Hz								
Piping connections	Evaporator water inlet/outlet		1/2" gas								

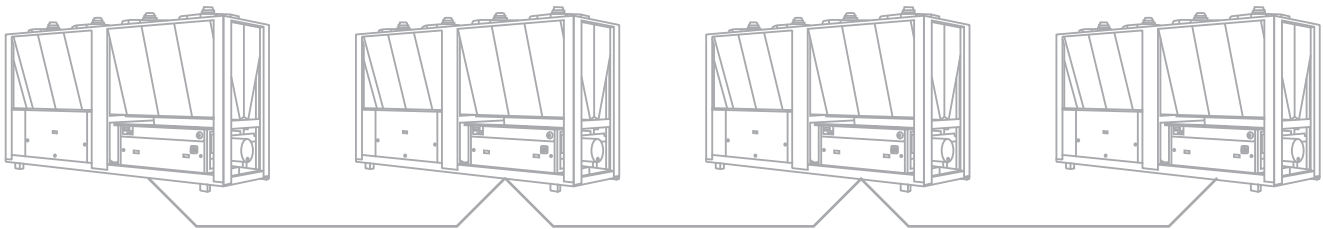


D.I.C.N.

Daikin Integrated Chiller Network

Applicable Series:

- EWAQ080-260DAYN (R-410A)
- EWYQ080-250DAYN (R-410A)
- EWAP110-540MBYN (R-407C)
- EWTP110-540MBYN (R-407C)
- EWAD120-340MBYN (R-134a)
- EWWD120-540MBYN (R-134a)
- EWLD120-540MBYN (R-134a)



Daikin chillers can be equipped with DICN which allows the simultaneous operation of up to 4 chillers as if they were a single unit, in order to deliver the required cooling capacity. This results in precise and efficient capacity control and is also useful for back up purposes, ensuring that the necessary amount of cooling is available and guaranteeing reliable operation of the chiller plant.

This function enables a Daikin 2MW chiller plant to be operated via a single controller.

Please note that DICN is only possible within the same series.



EHMC

Hydraulic Module

- 3 models available
- 100 l tank for all sizes
- freeze up protection
- high static pump (option)
- standard drain kit (for indoor use)
- standard dual pressure ports (before & behind the pump)



EHMC10-15-30AV1010

HYDRAULIC MODULE

		10		15		30	
		1010	1080	1010	1080	1010	1080
Nominal flow	l/min	62		88		187	
Nominal static height	mH ₂ O	17	34	15	27	10	27
Nominal input	W	630	1,050	650	1,070	1,070	2,090
Dimensions (HxWxD)	mm	1,284x635x688		1,284x635x688		1,284x635x688	
Machine weight	kg	99	101	102	104	105	111
Sound power	dBA	63		63		63	
Sound pressure	dBA	52		52		52	
Power supply	V1	230V/1~/50Hz					
Operation range	Water side	°CDB -10°C ~ 55°C					
	Air side	°CDB -10°C ~ 43°C					
Piping connections	Evaporator water inlet/outlet	1" BSPF		2" BSPF		2-1/2" BSPF	
	Drain connection	1/2"					



CONDENSER DRY COOLER



Condenser



MHVC / SHVC

Type: duct
Fan: centrifugal
Capacity: 6 – 375 kW



SHV/EHV/SAV/EAV

Type: horizontal or vertical
Fan: axial
Capacity: 3 – 1,236 kW



SDHV/SHVD/EHVD

Type: V-shape
Fan: axial
Capacity: 185 – 2,405 kW

- Single coil, both for vertical and horizontal installation, or double coil (V shape) ventilated condensers for air conditioning and for industrial process cooling.
- High efficiency compact heat exchangers with inner grooved 3/8 copper tubes for a reduced refrigerant charge
- Patented "Safetubes system"
- Extreme low noise and energy saving models available
- Capacities from 3 up to more than 2,400 kW

Capacity

	5	10	250	500	750	1000	1500	2000	2500
MHVC / SHVC	—————								
SHV / EHV / SAV / EAV	—————								
SDHV / SHVD / EHVD	—————								

Dry cooler



SHL/EHL

Type: horizontal or vertical
Fan: axial
Capacity: 11 – 996 kW



SDHL/SHLD/EHLD

Type: V-shape
Fan: axial
Capacity: 147 – 1,973 kW

- Single coil, both for vertical and horizontal installation, or double coil (V shape) dry coolers for air conditioning and for industrial process cooling
- High efficiency compact heat exchangers with 3/8" copper tubes
- Patented "Safetubes system"
- Low noise and energy saving models available
- Capacities from 11 up to nearly 2,000 kW

Capacity

	5	10	250	500	750	1000	1500	2000	2500
SHL / EHL	—————								
SDHL / SHLD / EHLD	—————								





FWF

4-Way Blow Ceiling Mounted Cassette



MERCA

WRC COA-HPA

FWF-AT

- Wide operating range
- Quiet operation with auto-swing comfort
- Easy to install and maintain
- 3 speed fan motor
- Double-intake centrifugal fans
- 4 way air discharge and air swing
- Air suction from underneath
- High power air flow
- Slim front panel and aesthetic design
- Tile size decoration panel
- Removable washable air filter (self-extinguishing class 1)
- Built-in high pressure drain pump (up to 700mm condensate water can be pumped)
- Wireless controller as standard with decoration panel kit

FWF

2-PIPES

			02	03	04
Power input		W	51	75	78
Capacity	Cooling capacity	Total capacity	2,34	4,10	4,25
		Heating capacity (2-pipe)	3,22	5,12	5,42
Dimensions	(Height x Width x Depth)		250x570x570		
Machine weight		kg	22,0	23,0	
Sound level	Sound power	dB(A)	54	53	56
Water pressure drop	Cooling	kPa	67,3	68,6	68,8
	Heating	kPa	61,9	70,5	71,2
Fan	Air flow rate	m ³ /h	662		
Water connections	Std. heat exchanger	inch	3/4		
Required power supply		V / f / Hz	220-240 / 1 / 50		



FWC

4-Way Blow Ceiling Mounted Cassette



MERCA

WRC COA-HPA

FWC08AAT

- Wide operating range
- Quiet operation with auto-swing comfort
- Easy to install and maintain
- Flexibility (2-pipe or 4-pipe)
- 3 speed fan motor
- Double-intake centrifugal fans
- 4 way air discharge and air swing
- Air suction from underneath
- High power air flow
- Slim front panel and aesthetic design
- Removable washable air filter (self-extinguishing class 1)
- Built-in high pressure drain pump (up to 700mm condensate water can be pumped)
- Wireless controller as standard with decoration panel kit

FWC			2-PIPES					4-PIPES					
			02	03	04	05	06	07	08	10	11	12	
Power input		W	127	151	164	192	253	122	138	153	184	232	
Capacity	Cooling capacity	Total capacity	kW	6,63	7,50	8,80	9,95	10,80	3,81	3,96	4,63	5,01	5,16
		Heating capacity (2-pipe)	kW	8,40	9,50	11,00	12,00	12,90					
		Heating capacity (4-pipe)	kW						10,55	10,99	12,51	13,48	13,77
Dimensions	(Height x Width x Depth)	mm	335x820x821										
Machine weight		kg	31,0	32,0	35,0	38,0	40,0	31,0	32,0	35,0	38,0	40,0	
Sound level	Sound power	dB(A)	52	55	60	61	64	52	55	60	61	64	
Water pressure drop	Cooling	kPa	24,8	30,8	41,6	52,2	69,3	3,56	3,78	4,94	5,7	5,96	
	Heating	kPa	21,4	26,8	35,3	45,2	64,1						
Fan	Air flow rate	m³/h	1,310	1,380	1,560	1,740	1,840	1,310	1,380	1,560	1,740	1,840	
Water connections	Std. heat exchanger	inch	3/4"										
Required power supply		V / f / Hz	220-240 / 1 / 50										



FWT

Wall Mounted Unit



MERCA

WRC COA-HPA

FWT05-06AT

- Wide operating range
- Quiet operation with auto-swing comfort
- Easy to install and maintain
- 3 speed fan motor
- Double-intake centrifugal fans
- Excellent air flow and air distribution
- Flexibility via interchangeable water connection side
- High power air flow
- Insulated with self-extinguishing class 1 heat insulation
- Removable washable air filter (self-extinguishing class 1)
- Slim and compact aesthetic design
- Wireless remote control up to 9m distance, availability of a wired or simplified controller
- LED indicator gives an indication on the (normal or wrong) operation of the unit

FWT

2-PIPES

			02	03	04	05	06
Power input		W	24	25	29	66	69
Capacity	Cooling capacity	Total capacity kW	2,34	2,78	3,22	4,54	5,28
		Heating capacity (2-pipe) kW	3,02	3,75	4,10	6,01	6,74
Dimensions	(Height x Width x Depth)	mm	260x799x198	260x899x198		304x1.062x222	
Machine weight		kg	10,0	12,0		16,0	
Sound level	Sound power	dB(A)	53		55	61	64
Water pressure drop	Cooling	kPa	48,3	64,7	69,3	50,3	69,3
	Heating	kPa	42	58,6	60,6	50,6	70,6
Fan	Air flow rate	m ³ /h	467	510	586	1.070	1.121
Water connections	Std. heat exchanger	inch	1/2"				
Required power supply		V / f / Hz	220-240 / 1 / 50				



FWV

Floor Standing Unit



ECFWER6

ECFWEB6

FWV02CAT

- Quick fixing system for wall mounting
- Pre-assembled 3-way/4-port ON/OFF valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options : no tools needed
- Quick removal of washable filter
- Electrical heater : no relay up to 2kw capacity
- Electrical heater : equipped with two overheat cut-out thermostats

FWV

2-PIPES

4-PIPES

		01	02	03	04	06	08	10	01	02	03	04	06	08	10			
Power input	W	37	53	56	98		182	244	37	53	56	98		182	244			
Capacity	Cooling capacity	Total capacity		kW	1,54	2,09	2,93	4,33	4,77	6,71	8,02	1,46	1,90	2,87	4,33	4,67	6,64	7,88
	Heating capacity (2-pipe)	kW		2,14	2,57	3,81	5,63	6,36	7,83	10,03								
	Heating capacity (4-pipe)	kW								1,90	2,10	3,08	5,05	5,30	7,91	9,30		
Dimensions	(Height x Width x Depth)	mm		564x774x226	564x984x226	564x1194x226	564x1404x251		564x774x226	564x984x226	564x1194x226	564x1404x251						
Machine weight	kg	19	20	25	30	31	41		20	21	26	32	33	44				
Sound level	Sound power	dBA		45	50	47	52	56	61	66	45	50	47	52	56	61	66	
		Water pressure drop	Cooling	kPa		13		11	12	14	12	19	13		11	12	14	12
Fan	Air flow rate	m³/h		9	11	9		10	9	16	7	8	5	10		8	9	
		Water connections	Std. heat exchanger	inch		319	344	442	706	785	1011	1393	307	327	431	690	763	998
Required power supply	V / f / Hz	1/2						3/4			1/2						3/4	



FWL

Flexi Type Unit



ECFWER6

ECFWEB6

FWL03C

FWL03C

- Quick fixing system for wall/ceiling mounting
- Pre-assembled 3-way/4-port ON/OFF valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options : no tools needed
- Quick removal of washable filter
- Electrical heater : no relay up to 2kw capacity
- Electrical heater : equipped with two overheat cut-out thermostats

FWL			2-PIPES								4-PIPES						
			01	02	03	04	06	08	10	01	02	03	04	06	08	10	
Power input	W		37	53	56	98		182	244	37	53	56	98		182	244	
Capacity	Cooling capacity	Total capacity	kW	1,54	2,09	2,93	4,33	4,77	6,71	8,02	1,46	1,90	2,87	4,33	4,67	6,64	7,88
	Heating capacity (2-pipe)		kW	2,14	2,57	3,81	5,63	6,36	7,83	10,03							
	Heating capacity (4-pipe)		kW								1,90	2,10	3,08	5,05	5,30	7,91	9,30
Dimensions	(Height x Width x Depth)		mm	564x774x226		564x984x226	564x1194x226		564x1404x251		564x774x226		564x984x226	564x1194x226		564x1404x251	
Machine weight	kg		20	21	27	32	33	44		21	22	28	34	35	46		
Sound level	Sound power		dB(A)	45	50	47	52	56	61	66	45	50	47	52	56	61	66
Water pressure drop	Cooling	kPa	13		11	12	14	12	19	13		11	12	14	12	19	
	Heating	kPa	9	11	9		10	9	16	7	8	5	10		8	9	
Fan	Air flow rate		m³/h	319	344	442	706	785	1011	1393	307	327	431	690	763	998	1362
Water connections	Std. heat exchanger		inch	1/2				3/4			1/2						3/4
Required power supply	V / f / Hz		230/1/50								230/1/50						



FWM

Flexi Type Unit



ECFWR6



FWM01C



FWM01C

- Quick fixing system for wall/ceiling mounting
- Pre-assembled 3-way/4-port ON/OFF valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options : no tools needed
- Quick removal of washable filter
- Electrical heater : no relay up to 2kw capacity
- Electrical heater : equipped with two overheat cut-out thermostats

FWM			2-PIPES							4-PIPES							
			01	02	03	04	06	08	10	01	02	03	04	06	08	10	
Power input	W		37	53	56	98		182	244	37	53	56	98		182	244	
Capacity	Cooling capacity	Total capacity	kW	1,54	2,09	2,93	4,33	4,77	6,71	8,02	1,46	1,90	2,87	4,33	4,67	6,64	7,88
	Heating capacity (2-pipe)		kW	2,14	2,57	3,81	5,63	6,36	7,83	10,03							
	Heating capacity (4-pipe)		kW								1,90	2,10	3,08	5,05	5,30	7,91	9,30
Dimensions	(Height x Width x Depth)		mm	535x584x224		535x794x224	535x1004x224		535x1214x249		535x584x224		535x794x224	535x1004x224		535x1214x249	
Machine weight	kg		14	15	19	23		32		15	16	20	25		34		
Sound level	Sound power		dB(A)	45	50	47	52	56	61	66	45	50	47	52	56	61	66
Water pressure drop	Cooling	kPa	13		11	12	14	12	19	13		11	12	14	12	19	
	Heating	kPa	9	11	9		10	9	16	7	8	5	10		8	9	
Fan	Air flow rate		m³/h	319	344	442	706	785	1011	1393	307	327	431	690	763	998	1362
Water connections	Std. heat exchanger		inch	1/2					3/4			1/2					3/4
Required power supply	V / f / Hz									230/1/50							



FWB

Concealed Ceiling Unit



ECFWER6

FWB04AAT

- Height of the units only 240mm for all the sizes
- 3, 4 or 6 stage row cooling coil
- Drain pan to collect the condensate from: heat exchanger and regulating valves
- 7-speed electrical motors (with thermal protection on windings)
- All 7 speeds pre-wired in the factory in the terminal block of the switch box
- Standard air filter : removable from the bottom

FWB

2-PIPES

			02	03	04	05	06	07	08	09	10									
Power input			106			192			294											
Capacity	Cooling capacity	Total capacity	2,61		3,14		3,49		5,08		5,45		6,47		7,57		8,67		10,34	
	Heating capacity (2-pipe)		5,47		6,01		6,47		10,31		11,39		12,28		15,05		16,85		18,78	
	Heating capacity (4-pipe)*		3,14						5,99				12,80							
Dimensions	(Height x Width x Depth)		239x1039x609			239x1389x609			239x1739x609											
Machine weight			23	24	26	31	33	35	43	45	48									
Sound level	Sound power		58			60			69											
Water pressure drop	Cooling	kPa	8	14	11	15	8	14	21		26									
	Heating	kPa	7	10	8	12	7	10	16	15	18									
Fan	Air flow rate	m ³ /h	400			800			1200											
	Available pressure	Pa	71			65			59											
Water connections	Std. heat exchanger		inch			3/4														
Required power supply			V / f / Hz			230/1/50														

* Heating module available as option



FWB-J

Concealed Ceiling Unit



EC8100A

RC8100A

FWB02JT

- Wide operating range
- Quiet operation via enlarged fan wheels
- Easy maintenance: filter can be removed from both sides and beneath (maximum filter size is 400mm)
- Flexibility (2-pipe or 4-pipe)
- 4 speed fan motor (3 selectable)
- Direct driven centrifugal fans
- Flexibility via interchangeable water connection side
- High power air flow
- Slim and compact aesthetic design
- Available static pressure of 30 Pa
- Extended drain pan as standard
- Filter as standard
- Plenum as standard
- Insulated with self-extinguishing class 1 heat insulation
- Electronic room thermostat

FWB-J			2-PIPES										4-PIPES									
			02	03	04	05	06	07	08	09	10	11	02	03	04	06	07	08	10			
Power input	W		34	53	57	54	86	121	117	134	164	166	34	51	54	84	117	137	163			
Capacity	Cooling capacity	Total capacity	kW		1,64	2,67	2,99	3,34	4,81	5,31	6,16	7,26	8,49	8,99	1,67	2,67	3,03	4,88	5,33	6,53	8,21	
	Heating capacity (2-pipe)		kW		2,16	3,62	3,97	4,11	6,30	7,47	8,09	9,64	11,57	11,71	2,12	3,69	3,87	6,40	7,52	9,01	11,09	
	Heating capacity (4-pipe)		kW												2,49	3,92	4,43	6,70	8,16	9,56	11,68	
Dimensions	(Height x Width x Depth)		mm		251x814x590	251x884x590	251x1.114x590		251x1.314x590	251x1.564x590		251x1.664x590	251x1.924x590		251x1.664x590	251x1.984x590	251x1.114x590	251x1.314x590	251x1.564x590	251x1.664x590	251x1.924x590	
Machine weight	kg		20,0	23,0	28,0	31,0	33,0	44,0	48,0	52,0	50,0	56,0	22,0	27,0	31,0	36,0	48,0	52,0	56,0			
Sound level	Sound power		dBA		47,5	52	49	50	52		55	55,5	56	47	52	50	52		55	56		
Water pressure drop	Cooling		kPa		10,91	8,34	15,64	11,22	31,31	12,56	7,62	9,83	21,71	16,81	10,95	8,24	15,67	29,95	9,24	12,49	19,38	
	Heating		kPa		8,86	6,76	12,84	9,21	25,87	11,13	6,57	8,60	18,56	14,46	8,94	6,64	12,84	24,16	7,89	9,67	16,50	
Fan	Air flow rate		m³/h		262	428	431	428	757	945	950	1.066	1.463	1.341	220	424	437	747	898	1.112	1.385	
	Available pressure		Pa												30							
Water connections	Std. heat exchanger		inch												3/4							
Required power supply	V / f / Hz												220-240 / 1 / 50									



FWD

Flexi Type Unit



ECFWER6



FWD04A



FWD04A

- Quick fixing system for wall/ceiling mounting
- Straight duct connector is mounted to discharge side
- Standard air filter : removable from the bottom

FWD			2-PIPES						4-PIPES							
			04	06	08	10	012	016	018	04	06	08	10	012	016	018
Power input	W		234	349	443		714	1197		234	349	443		714	1197	
Capacity	Cooling capacity Total capacity	kW	3,90	6,20	7,80	8,82	11,90	16,40	18,30	3,90	6,20	7,80	8,82	11,90	16,40	18,30
	Heating capacity (2-pipe)	kW	4,05	7,71	9,43	10,79	14,45	19,81	21,92							
	Heating capacity (4-pipe)	kW							4,49	6,62	9,21		15,86	21,15		
Dimensions	(Height x Width x Depth)	mm	280x754x559	280x964x559	280x1174x559		352x1174x718	352x1384x718		280x754x559	280x964x559	280x1174x559		352x1174x718	352x1384x718	
Machine weight	kg		33	41	47	49	65	77	80	35	43	50	52	71	83	86
Sound level	Sound power	dB(A)	66	69	72		74	78		66	69	72		74	78	
Water pressure drop	Cooling	kPa	17	24		16	26	34	45	17	24		16	26	34	45
	Heating	kPa	14	20		13	21	28	37	9	15		13	12	16	
Fan	Air flow rate	m³/h	800	1250	1600		2200	3000		800	1250	1600		2200	3000	
	Available pressure	Pa	66	58	68	64	97	145	134	63	53	63	59	92	138	128
Water connections	Std. heat exchanger	inch	3/4				1			3/4			1			
Required power supply	V / f / Hz		230/1/50						230/1/50							



AIR COOLER



Air coolers for big storage, freezing and working cold rooms with positive and negative temperature for the industry. The heat exchanger of the air cooler is made of high efficiency copper tubes with internal special helical profile for the water/glycol solution. Several models available with different fin spacings and for capacities from 1 up to more than 160 kW. For detailed info, please contact your Daikin sales responsible.

S2HCW



S3HCW



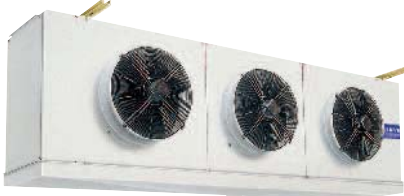
SHDNW / SHDSW



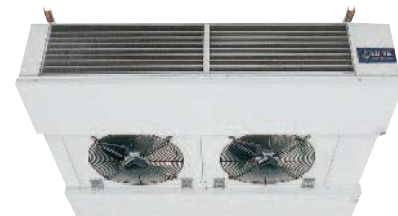
SHAW



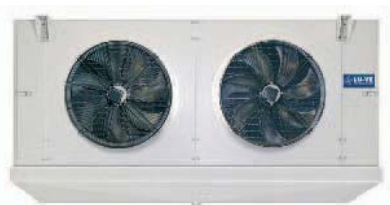
NHIW / HILW



HDIW



CHSW



LHSW





AIR HANDLING UNIT



- Air handling units for filtering, heating, cooling, humidifying, and air drying
- Air handling units with heat recovery
- Air handling units for outdoor or roof top installation
- Air handling units for process industry
- Air handling units in hygienic execution for hospital and clean room
- Air handling units with indirect gas fired heating
- Air handling units for swimming pool applications



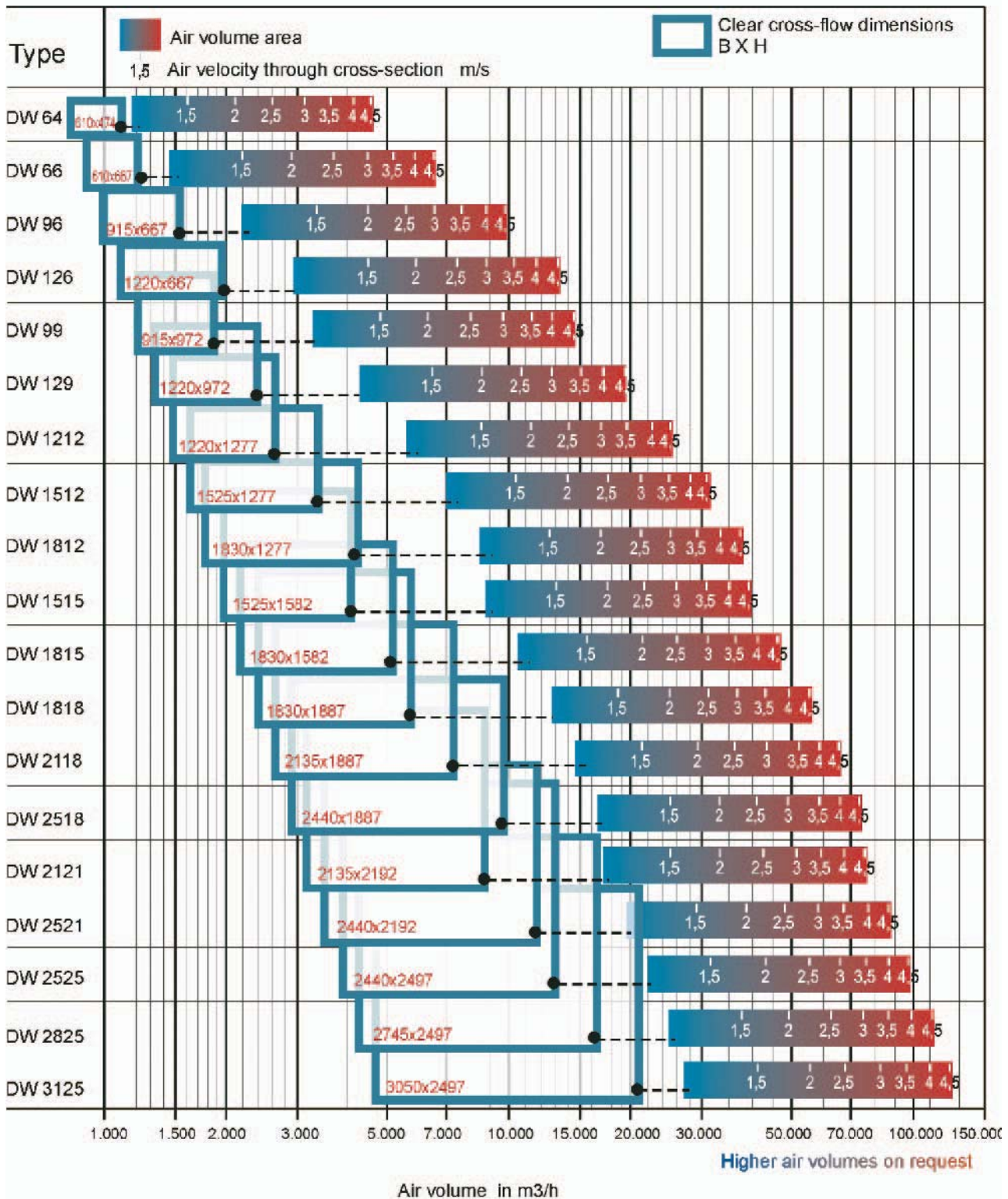
Heat recovery systems

There are different types of heat recovery systems available:

- Coil loop system
- Plate heat exchanger
- Heat wheel
- Accublock
- Heat pipe
- ...



Range selection diagramm for DW 64-3125



POWER Supply

T1 = 3~, 220V, 50HZ
 V1 = 1~, 220-240V, 50HZ
 VE = 1~, 220-240V, 50HZ/60HZ
 V3 = 1~, 230V, 50HZ
 VM = 1~, 220~240V/220~230V, 50HZ/60HZ
 W1 = 3N~, 400V, 50HZ
 Y1 = 3~, 400V, 50HZ

MEASURING Conditions

COOLING ONLY

1) nominal cooling capacities are based on:

indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m - 8/5m VRV®
level difference	0m

HEAT PUMP

1) nominal cooling capacities are based on:

indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m - 8/5m VRV®
level difference	0m

2) nominal heating capacities are based on:

indoor temperature	20°CDB
outdoor temperature	7°CDB/6°CWB
refrigerant piping length	7.5m - 8/5m VRV®
level difference	0m

CHILLERS:

Air-cooled	cooling only	evaporator: 12°C/7°C	ambient: 35°CDB
	heat pump	evaporator: 12°C/7°C	ambient: 35°C
Water-cooled	cooling only	condenser: 40°C/45°C	ambient: 7°CDB/6°CWB
		evaporator: 12°C/7°C	
	heating only	condenser: 30°C/35°C	
		evaporator: 12°C/7°C	
Remote condenser		condenser: 40°C/45°C	
Remote evaporator	cooling capacity/power input conditions	evaporator: 12°C/7°C	condensing temperature: 45°C / liquid temperature: 40°C
		suction dew point: 5°C	ambient: 35°C
Fan coil units	cooling	superheat: 10°C	
		room temperature: 27°C/19°C	
	heating	entering water temperature: 7°C/12°C	
		room temperature: 20°C	water inlet temperature: 50°C (2-pipe)/70°C (4-pipe)

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks).

The sound power level is an absolute value indicating the "power" which a sound source generates.

For more detailed information please consult our technical databooks.

'We Care' Icons

A number of 'We Care' icons are highlighted in green throughout the catalogue to indicate product features that have an impact on reducing energy consumption:



Night set mode

Saves energy, by preventing overcooling or overheating during night time.



Fan only

The air conditioner can be used as fan, blowing air without cooling or heating.



Econo mode

This function decreases the power consumption so that other appliances that need large power consumption can be used. This function is also energy saving.



Energy efficiency

Daikin air conditioners are energy efficient and economical.



Movement sensor

The sensor detects whether someone is in the room. When the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.



Home leave operation

During absence, the indoor temperature can be maintained at a certain level.



Vertical auto swing

Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.



24 Hour timer

Timer can be set to start cooling/heating anytime during a 24-hour period.



Horizontal auto swing

Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



Infrared remote control

Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.



Draught prevention

When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.



Ceiling soiling prevention

A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.



Auto-restart

The unit restarts automatically at the original settings after power failure.



Self-diagnosis

Simplifies maintenance by indicating system faults or operating anomalies.



Auto cooling-heating changeover

Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).



Scroll compressor

Silent, reliable Daikin compressor used in medium sized outdoor units.



Dry programme

Allows humidity levels to be reduced without variations in room temperature.



Single screw compressor

Compact, high efficient, silent reliable Daikin compressor. Maintenance free (inspection only after 40,000 hours of operation)



Auto fan speed

Automatically selects the necessary fan speed to reach or maintain the set temperature.



Wired remote control

Wired remote control to start, stop and regulate the air conditioner from a distance.

**Fan speed steps**

Allows to select up to the given number of fan speed.

**Powerful mode**

If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.

**Whisper quiet**

Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood.

**Centralised control**

Centralised control to start, stop and regulate several air conditioners from one central point.

**Double thermostat function**

Controls the temperature via a sensor on the air conditioner or via a sensor on the remote control.

**Comfortable sleeping mode**

Increased comfort function that follows a specific temperature fluctuation rhythm.

**Air filter**

Removes airborne dust particles to ensure a steady supply of clean air.

**Timer**

Allows to preset the air conditioner to start/stop at a specified time.

**Air purification filter**

Removes airborne dust particles and prevents the propagation of bacteria and viruses to ensure a steady supply of clean air.

**Outdoor unit silent operation**

Lowers the operation sound of the outdoor unit by 3dB(A) to ensure a quiet environment for the neighbourhood.

**Photocatalytic deodorising filter**

Removes airborne dust particles, decomposes odours and restrains the reproduction of bacteria, viruses, microbes, this to ensure a steady supply of clean air.

**Indoor unit silent operation**

Lowers the operation sound of the indoor unit by 3dB(A). This function is useful when studying or sleeping.

**Drain pump kit**

Facilitates condensation draining from the indoor unit.

**Night quiet mode (cooling only)**

Lowers the operation sound of the outdoor unit automatically by 3dB(A) by removing a jumper wire on the outdoor unit. This function can be deactivated if the jumper wire is reinstalled on the outdoor unit.

**Twin/triple/double twin application**

2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.

**Comfort mode**

The new flap changes the discharge angle horizontally for cooling operation and downward vertically for heating operation. This in order to prevent cold or warm air from blowing directly on the body.

**Multi model application**

Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

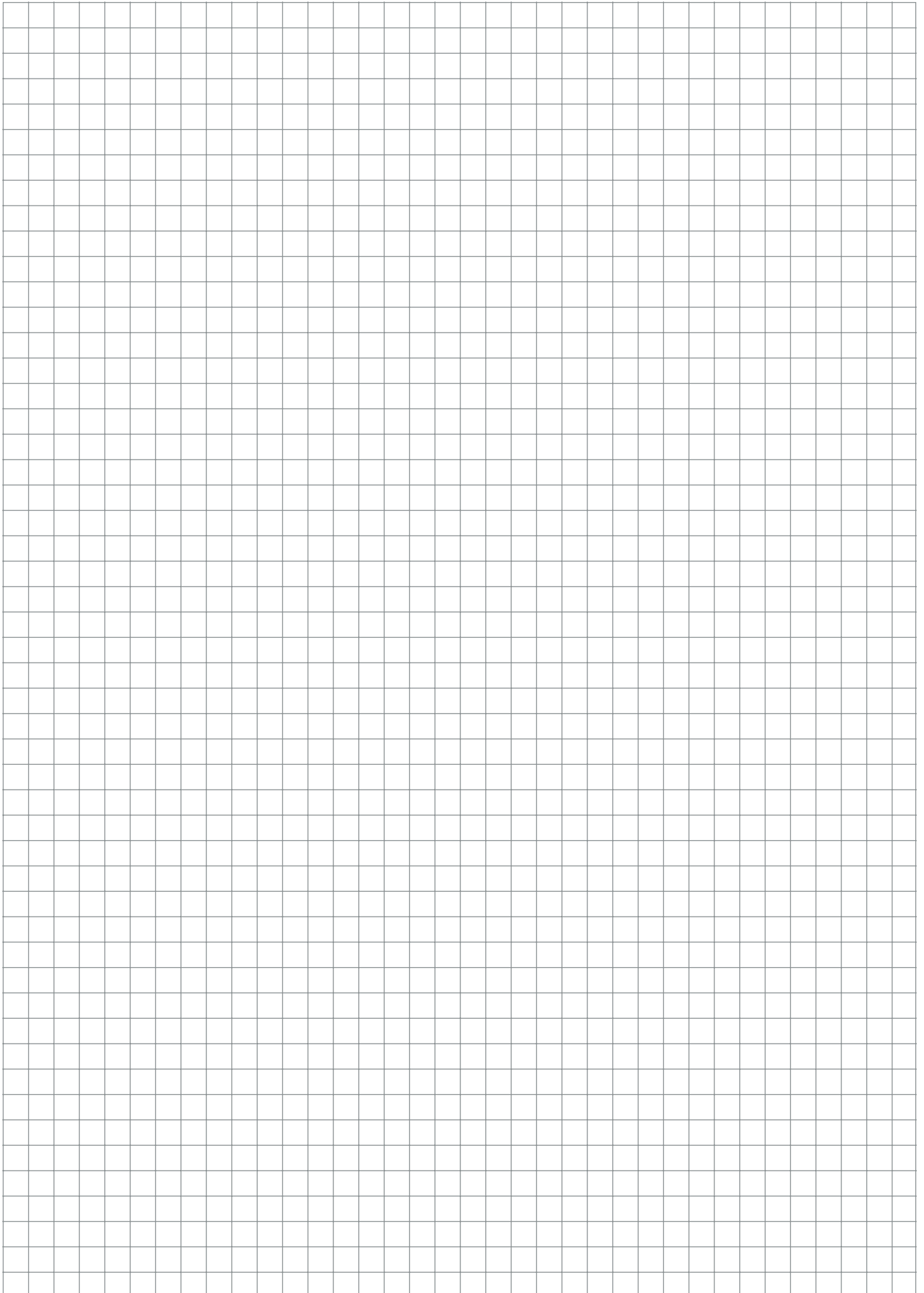
**3-D Air flow**

This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.

**Super multi plus**

Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Notes:





**DAIKIN AIRCONDITIONING
CENTRAL EUROPE HandelsgmbH**

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www.daikin-ce.com



The quality management system of Daikin Europe N.V. is recognised by the LRQA in conformity with the ISO 9001 standard. ISO 9001 relates to quality assurance pertaining to the planning, development and construction of products as well as the services offered in connection with these products.



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of environmental friendly products. This challenge demands the eco design and development of a wide range of pro



The ISO 14001 standard guarantees an effective environmental management system and contributes to the protection of human health and the environment against any possible repercussions of Daikin activities, products and services as well as the retention and enhancement of environmental quality.



All Daikin units comply with the European Union regulations concerning the safety of appliances.



Daikin Europe N.V. participates in the Eurovent Certification Programme. The products comply with those listed in the Eurovent directory.

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