

VRV IV heat pump, optimised for heating Air Conditioning Technical Data RXYLQ-T/RXMLQ-T

RXYLQ10T7Y1B RXYLQ12T7Y1B RXYLQ14T7Y1B RXYLQ16T7Y1B RXYLQ18T7Y1B RXYLQ20T7Y1B RXYLQ22T7Y1B RXYLQ24T7Y1B RXYLQ26T7Y1B RXYLQ28T7Y1B RXYLQ30T7Y1B RXYLQ32T7Y1B RXYLQ34T7Y1B RXYLQ36T7Y1B RXYLQ38T7Y1B RXYLQ40T7Y1B RXYLQ42T7Y1B RXMLQ8T7Y1B





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1 Features

1 - 1 RXYLO-T

Where heating is priority without compromising on efficiency

- > By choosing this product with Certified Reclaimed Refrigerant Allocation you support the reuse of refrigerant
- Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- > Stable heating capacity down to -15°C, thanks to vapour injection compressor
- > Extended operation range down to -25°C in heating
- High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- > 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- Shorter defrost and heat up time, compared to standard VRV heat pump
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- > Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)

- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- > Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function. Increased seasonal efficiency with up to 28%. No more cold draft by supply of high outblow temperatures
- > Already fully ErP 2021 compliant (LOT 21 Tier 2)
- > Free combination of outdoor units to meet installation space or efficiency requirements
- High external static pressure (up to 78.4Pa) allows indoor installation
- > Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- > Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- > Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m



Inverter





Technical Spe				RXYLQ10T	RXYLQ12T	RXYLQ14T
System		unit module 1		RXYLQ10T	RXYLQ12T	RXYLQ14T
Recommended cor	mbination			4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7VEB
Recommended cor	mbination 2	2		4 x FXSQ63A2VEB	6 x FXSQ50A2VEB	1 x FXSQ50A2VEB + 5 x FXSQ63A2VEB
Cooling capacity	Prated,c		kW	28.0 (1)	33.5 (1)	40.0 (1)
Heating capacity	Nom.	6°CWB	kW	28.00 (2)	33.50 (2)	40.00 (2)
	Prated,h		kW	31.5	37.5	45.0
	Max.	6°CWB	kW	31.5 (2)	37.5 (2)	45.0 (2)
Power input - 50Hz	Heating	Nom. 6°CWB	kW	7.13 (2)	7.85 (2)	10.26 (2)
COP at nom.	6°CWB		kW/kW	3.93	4.27	3.90
capacity			,			
SCOP				3.7		3.5
COP recommende	ed combina	ation 2		3.7		3.5
SEER	a combine			6.4	6.9	6.8
SEER recommende	d combina	tion ?		6.4		6.8
	a combilla	11011 2	%	251.4	274.4	270.1
JS,C	Lombinst	ion?	70	251.4	2/4.4	270.1
րs,c recommended	combinati	UIIZ	0/			
լs,h		· 2	%	144.3	137.6	137.1
լs,h recommended				144.2		37.0
Space cooling	A Condi-			3.2	3.5	3.2
	tion (35°C - 27/19)	Pdc	kW	28.0	33.5	40.0
	B Condi-	EERd		4.9	5.1	5.0
	tion (30°C - 27/19)	Pdc	kW	20.6	24.7	29.5
	C Condi-	EEDd		8.1	8.4	7.0
	tion (25°C		kW	13.5	15.9	18.9
	- 27/19)	FED I			44.0	4.5
	D Condi-			9.3	11.2	16.1
	tion (20°C - 27/19)	Pdc	kW	9.0	9.3	10.4
Space cooling	A Condi-	EERd		3.2	3.4	3.2
recommended combination 2	tion (35°C - 27/19)	Pdc	kW	28.0	33.5	40.0
	B Condi-	EERd		4.9	5.1	5.0
	tion (30°C - 27/19)		kW	20.6	24.7	29.5
	C Condi-	EED4			B.1	7.0
	tion (25°C		kW	13.5	15.9	18.9
	- 27/19)		r.vv			
	D Condi-			9.36	10.9	16.1
	tion (20°C - 27/19)	Pdc	kW	9.17	9.24	10.5
pace heating	TBivalent	COPd (declared COP)		2.33	2.11	1.84
Average climate)		Pdh (declared heating cap)	kW	27.6	33.2	39.8
-		Tbiv (bivalent temperature)		-6.8		-7.0
pace heating	TOL	COPd (declared COP)	-	2.58	2.38	2.47
Average climate)		Pdh (declared heating cap)	kW	19.7	23.5	30.6
s.age cililate)		Tol (temperature operating	°C	12.7	-10	50.0
	1.5	limit)				
	A Con-	COPd (declared COP)		2.38	2.11	1.84
	dition (-7°C)	Pdh (declared heating cap)	kW	26.2	33.2	39.8
	B Condi-	COPd (declared COP)		3.48	3.41	3.16
	tion (2°C)	Pdh (declared heating cap)	kW	17.0	20.2	24.2
		COPd (declared COP)		5.06	4.93	5.92
		Pdh (declared heating cap)	kW	10.9	13.1	15.9
	D Con-	COPd (declared COP)		7.15	5.74	7.45
	dition (12°C)	Pdh (declared heating cap)	kW	7.75	8.98	8.14



Technical Spe				RXYLQ10T	RXYLQ12T	RXYLQ14T		
Space heating	A Con-	COPd (declared COP)		2.40	2.10	1.80		
(Average climate) recommended	dition (-7°C)	Pdh (declared heating cap)	kW	26.2	33.2	39.8		
combination 2		COPd (declared COP)		3.50	3.41	3.20		
20111011101112		Pdh (declared heating cap)	kW	17.0	20.2	24.2		
		COPd (declared COP)	KVV	5.10	4.71	5.90		
		Pdh (declared heating cap)	kW	10.9	13.1	15.9		
	D Con-	COPd (declared COP)	NVV	7.20	6.53	7.50		
	dition	Pdh (declared heating cap)	kW	7.80	9.73	8.10		
	(12°C)		KVV		9.75	6.10		
	TBivalent	COPd (declared COP)		2.30	2.10	1.80		
		Pdh (declared heating cap)	kW	27.6	33.2	39.8		
		Tbiv (bivalent temperature)	°C	-6.8		-7.0		
apacity range			HP	10	12	14		
ED	Category				Category II			
	Most	Name	İ		Compressor			
	critical	Ps*V	Bar*l		459			
	part							
Naximum number	•	able indoor units			64 (3)			
ndoor index	Min.	macor anno		175	210	245		
onnection	Nom.			250	300	350		
JULIECTION I								
N	Max.	II-i-h-		325	390	455		
Dimensions	Unit	Height	mm		1,685			
		Width	mm		1,240			
		Depth	mm		765			
	Packed	Height	mm		1,820			
	unit	Width	mm		1,305			
		Depth	mm		860			
Veight	Unit		kg		302			
Veight	Packed ur	nit	kg		322			
Packing	Material		-		Carton			
5	Weight		kg		3			
Packing 2	Material				Wood			
	Weight		kg		19			
acking 3	Material		ng		Plastic			
acking 5								
• •	Weight		kg		1			
Casing	Colour				Daikin White			
	Material				Painted galvanized steel plate			
leat exchanger	Туре				Cross fin coil			
	Indoor sid			Air				
	Outdoor			Air				
	Air flow	Cooling Rated	m³/h	10,290		13,554		
	rate	Heating Rated	m³/h	13,554	14,940	17,280		
an	Quantity				2			
	Diameter		mm		541			
	External	Max.	Pa	78				
	static		-					
	pressure							
an motor	Quantity				2			
	Type				DC motor			
			W					
	Output		VV		750			
ompressor	Quantity				1			
	Туре			F	lermetically sealed scroll compre	essor		
	Crankcase		W		33			
peration range	Cooling	Min.	°CDB		-5			
		Max.	°CDB		43			
	Heating	Min.	°CWB		-25			
		Max.	°CWB		16			
ound power level	Cooling	Nom.	dBA	77.0 (4)		31.0 (4)		
ound pressure	Cooling	Nom.	dBA	56.0 (5)		59.0 (5)		
evel	200.1119			55.5 (5)		(-)		
lefrigerant	Type				R-410A			
cingerant	Type GWP		-					
			TCO2F	2,087.5				
	Charge		TCO2Eq		24.6			
	Charge		kg	11.8				
Refrigerant oil	Туре				Synthetic (ether) oil FVC68D			
	Liquid	Туре		Braze connection				
iping connections					The state of the s			
Piping connections		OD	mm	10		13		



RXYLQ-T

Technical Spe	cificatio	ns			RXYLQ10T	RXYLQ12T	RXYLQ14T			
Piping connection		OD		mm	22.2	28	.6			
	Total piping length	System	Actual	m		500 (6)				
	Level dif- ference	OU - IU	Outdoor unit in highest position	m		50				
			Indoor unit in highest position	m		40				
		IU - IU		m		30				
Defrost method					Reversed cycle					
Capacity control	Method					Inverter controlled				
Indication if the heater is equipped with a supplementary heater						no				
Supplementary heater	Back-up capacity	Heating	elbu	kW	0.0					
Power consump-	Crank-	Cooling	PCK	kW		0.000				
ion in other than c ctive mode h	case heater mode	Heating	PCK	kW		0.0430				
	Off mode	Cooling	POFF	kW		0.0380				
		Heating	POFF	kW		0.0380				
	Standby	Cooling	PSB	kW		0.0380				
	mode	Heating	PSB	kW		0.0380				
	Thermo-	Cooling	PTO	kW		0.0140				
	stat-off mode	Heating	PTO	kW	0.0610					
Cooling	Cdc (Degi	adation c	ooling)			0.25				
Heating	Cdh (Deg	radation h	reating)			0.25				
Safety devices	Item	01				High pressure switch				
•		02				Fan driver overload protector				
		03				Inverter overload protector				
		04				PC board fuse				

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 2;

Standard accessories: Connection pipes; Quantity: 25;

Electrical Sp			RXYLQ10T	RXYLQ12T	RXYLQ14T			
Power supply	Name			Y1				
	Phase		3N~					
	Frequency	Hz		50				
	Voltage	V		380-415				
Power supply int	ake			Both indoor and outdoor unit				
Voltage range	Min.	%		-10				
	Max.	%		10				
Current	Nominal Cooling	A	13.8 (7)	15.0 (7)	19.6 (7)			
	running							
	current							
	(RLA)							
Current - 50Hz	Nominal Combina- Coolii	ng		-				
	running tion A							
	current Combina- Coolii	ng	-					
	(RLA) tion B							
	Starting current (MSC) - rer	mark		See note 8				
<u></u>	Zmax List	137		No requirements				
	Minimum Ssc value	kVa	22.2 (4.2)	5,638 (9)	27.0 (4.0)			
	Minimum circuit amps (MC		22.0 (10)	24.0 (10)	27.0 (10)			
	Maximum fuse amps (MFA)		25 (11) 32 (11)					
	Total overcurrent amps (TC		42.5 (12)					
	Full load Total	A		1.5 (13)				
	amps							
Power Perfor-	(FLA) Power Combina- 35°C I	CO. Full lead						
				<u>-</u>				
mance		SO - Full load		5G				
Wiring connec- tions - 50Hz	For Quantity power			50				
LIONS - SUMZ	supply							
	For Quantity		2					
	connec- Remark		2 F1,F2					
	tion with			F1,F2				
	indoor							
	IIIdooi							





1 - 1 **RXYLQ-T**

(5)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

(6)Refer to refrigerant pipe selection or installation manual | (7)RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB |

(8)MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always ≤ max. running current.

(9)n accordance with EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Ssc ≥ minimum.

(10)MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current. | (11)MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). |

(12)TOCA means the total value of each OC set. | (13)FLA means the nominal running current of the fan |

Technical spe	cificatio	ns Syst	em		RXYLQ16T	RXYLQ18T	RXYLQ20T	RXYLQ22T		
System	Outdoor	unit modu	ıle 1		RXMLQ8T		RXYLQ10T			
	Outdoor	unit modu	ıle 2			LQ8T	RXYLQ10T	RXYLQ12T		
Recommended cor	mbination				4 x FXMQ63P7VEB + 2 x	3 x FXMQ50P7VEB + 5 x	2 x FXMQ50P7VEB + 6 x	6 x FXMQ50P7VEB + 4 x		
					FXMQ80P7VEB	FXMQ63P7VEB	FXMQ63P7VEB	FXMQ63P7VEB		
Cooling capacity	Prated,c			kW	44.8 (1)	50.4 (1)	56.0 (1)	61.5 (1)		
Heating capacity	Prated,h	60614/0		kW	50.0	56.5	63.0	69.0		
	Max.	6°CWB		kW	50.0 (2)	56.5 (2)	63.0 (2)	69.0 (2)		
SCOP					3.5	3.6	3.7	3.6		
SEER					6.6	6.5	6.4	6.6		
ηs,c				%	261.8	255.7	251.4	263.0		
ηs,h	A.C. II	EED I		%	138.0	140.5	144.3	140.3		
Space cooling	A Condi-			1.14/	3.6	3.3	3.2	3.4		
	tion (35°C	Pac		kW	44.8	50.4	56.0	61.5		
	- 27/19) B Condi-	EED4			4.7	4.8	4.9	5.0		
	tion (30°C			kW	33.0	37.1	41.3	45.3		
<u>.</u>	- 27/19)	Puc		KVV	33.0	37.1	41.5	45.5		
	C Condi-	EEDY			9.1	8.5	8.1	8.3		
	tion (25°C			kW	21.2	24.1	27.0	29.4		
	- 27/19)	ruc		KVV	21.2	24.1	27.0	25.4		
	D Condi-	FFRd			9.6	9.5	9.3	10.2		
	tion (20°C			kW	17.4	17.7	18.1	18.3		
	- 27/19)	ruc		KVV	17.4	17.7	10.1	10.5		
Space heating		COPd (de	eclared COP)			2.33		2.21		
(Average climate)	IDIVAICIIC		lared heating cap)	kW	47.1	51.2	55.3	60.8		
(Average climate)			alent temperature)		-8.5	31.2	-6.8	00.0		
	TOL		eclared COP)		2.55	2.57	2.58	2.47		
	IOL		lared heating cap)	kW	37.5	38.5	39.5	43.2		
			perature operating	°C	37.3		10	15.2		
		limit)	octature operating	_			10			
	A Con-		eclared COP)		2.47	2.42	2.38	2.22		
	dition		lared heating cap)	kW	44.2	48.3	52.3	59.3		
	(-7°C)	r arr (acc	iarea ricating cap,	KVV	77.2	40.5	32.3	37.3		
		COPd (de	eclared COP)		3.22	3.36	3.48	3.44		
			lared heating cap)	kW	26.9	30.4	33.9	37.2		
			eclared COP)		4.79	4.94	5.06	4.99		
			lared heating cap)	kW	17.3	19.6	21.8	24.0		
	D Con-		eclared COP)		6.38	6.76	7.15	6.32		
	dition		lared heating cap)	kW	14.6	15.0	15.5	16.7		
	(12°C)		3 17							
Capacity range				HP	16	18	20	22		
PED	Category					Cate	gory II	,		
Maximum number	of connect	able indo	or units			64	(3)			
Indoor index	Min.				280	315	350	385		
connection										
Indoor index	Nom.				400	450	500	550		
connection	Max.				520	585	650	715		
Sound power level	Cooling	Nom.		dBA	78.0 (4)	79.0 (4)	80.0 (4)	82.0 (4)		
Sound pressure	Cooling	Nom.		dBA	58.0 (5)	59.	0 (5)	61.0 (5)		
level										
Refrigerant	Type					R-4	110A			
	GWP						87.5			
Refrigerant oil	Type					Synthetic (eth	er) oil FVC68D			
Piping connections	Liquid	Туре				Braze co	nnection			
		OD		mm	13		16			
	Gas	Type				Braze co	nnection			
		OD		mm		28	3.6			
	Total	System	Actual	m		500	0 (6)			
	piping									
	length									
	Level dif-	OU - IU	Outdoor unit in	m			50			
	ference		highest position							
			Indoor unit in	m			10			
					40					
			highest position							



Technical spe	cificatio	ns Syste	em		RXYLQ16T	RXYLQ18T	RXYLQ20T	RXYLQ22T	
Defrost method						Revers	ed cycle		
Capacity control	Method					Inverter	controlled		
Indication if the he	eater is equi	pped with	a supple	mentary heater		r	10		
Supplementary	Back-up	Heating	elbu	kW		(0.0		
heater	capacity								
Power consump-	Crank-	Cooling	PCK	kW		0.0	000		
tion in other than	case	Heating	PCK	kW		0.0	860		
active mode	heater								
	mode								
	Off mode	Cooling	POFF	kW		0.0	760		
		Heating	POFF	kW		0.0	760		
	Standby	Cooling	PSB	kW		0.0	760		
	mode	Heating	PSB	kW		0.0	760		
	Thermo-	Cooling	PTO	kW		0.0	280		
	stat-off	Heating	PTO	kW		0.1	220		
	mode								
Cooling	Cdc (Degi	radation c	ooling)		0.25				
Heating	Cdh (Deg	radation h	eating)			0	.25		

Technical spe	cificatio	ns System		RXYLQ24T	RXYLQ26T	RXYLQ28T	RXYLQ30T
System		unit module 1		RXY	LQ12T	RXYLQ14T	RXYLQ10T
	Outdoor	unit module 2		RXYLQ12T	RXYL	.Q14T	RXYLQ10T
	Outdoor	unit module 3			-		RXYLQ10T
Recommended coi	mbination			4 x FXMQ50P7VEB + 4	7 x FXMQ50P7VEB + 5 x	6 x FXMQ50P7VEB + 4	9 x FXMQ50P7VEB + 5
				x FXMQ63P7VEB + 2 x FXMQ80P7VEB	FXMQ63P7VEB	x FXMQ63P7VEB + 2 x FXMQ80P7VEB	FXMQ63P7VEB
Cooling capacity	Prated,c		kW	67.0 (1)	73.5 (1)	80.0 (1)	84.0 (1)
leating capacity	Prated,h		kW	75.0	82.5	90.0	94.5
	Max.	6°CWB	kW	75.0 (2)	82.5 (2)	90.0 (2)	94.5 (2)
COP					3.5		3.7
EER				6.9	6	.8	6.4
ıs,c			%	274.4	270.8	270.1	251.4
s,h			%	137.6	13	7.1	144.3
pace cooling	A Condi-	EERd		3.5	3.3	3	.2
-	tion (35°C - 27/19)	Pdc	kW	67.0	73.5	80.0	84.0
	B Condi-	EERd			5.1	5.0	4.9
	tion (30°C - 27/19)	Pdc	kW	49.4	54.2	59.0	61.9
	C Condi-	EERd		8.4	7.6	7.0	8.1
	tion (25°C - 27/19)	Pdc	kW	31.8	34.8	37.8	40.5
	D Condi-	EERd		11.2	13.3	16.1	9.3
	tion (20°C - 27/19)	Pdc	kW	18.6	19.7	20.8	27.1
pace heating	TBivalent	COPd (declared COP)		2.11	1.95	1.84	2.33
Average climate)		Pdh (declared heating cap)	kW	66.3	73.0	79.6	82.9
_		Tbiv (bivalent temperature)	°C		-7.0		-6.8
	TOL	COPd (declared COP)		2.38	2.43	2.47	2.58
		Pdh (declared heating cap)	kW	47.0	54.1	61.2	59.2
		Tol (temperature operating limit)	°C		-10		
	A Con-	COPd (declared COP)		2.11	1.95	1.84	2.38
	dition (-7°C)	Pdh (declared heating cap)	kW	66.3	73.0	79.6	78.5
	B Condi-	COPd (declared COP)		3.41	3.27	3.16	3.48
	tion (2°C)	Pdh (declared heating cap)	kW	40.4	44.4	48.5	50.9
	C Condi-	COPd (declared COP)		4.93	5.43	5.92	5.06
	tion (7°C)	Pdh (declared heating cap)	kW	26.2	29.0	31.8	32.7
	D Con-	COPd (declared COP)		5.74	6.48	7.45	7.15
	dition (12°C)	Pdh (declared heating cap)	kW	18.0	17.1	16.3	23.3
apacity range			HP	24	26	28	30
PED	Category				Cated	jory II	
Лахітит number	of connect	able indoor units			64	(3)	
ndoor index	Min.			420	455	490	525
onnection	Nom.			600	650	700	750
	Max.			780	845	910	975
ound power level	Cooling	Nom.	dBA		84.0 (4)		82.0 (4)
ound pressure evel	Cooling	Nom.	dBA		62.0 (5)		61.0 (5)
Refrigerant	Туре				R-4	10A	
	GWP				2,0	87.5	



Technical spe	cificatio	ns Syste	em		RXYLQ24T	RXYLQ26T	RXYLQ28T	RXYLQ30T		
Refrigerant oil	Туре	•				Synthetic (eth	er) oil FVC68D			
Piping connections	Liquid	Туре				Braze co	nnection			
		OD		mm	16 19					
	Gas	Туре			Braze connection					
		OD		mm		34	1.9			
	Total	System	Actual	m		500) (6)			
	piping length									
	Level dif-	OU - IU	Outdoor unit in	m		5	0			
	ference		highest position							
			Indoor unit in	m		4	.0			
	highest position									
		IU - IU		m	30					
Defrost method					Reversed cycle					
Capacity control	Method					Inverter o	controlled			
ndication if the he	ater is equi	pped with	n a supplementary h	neater		n	0			
Supplementary	Back-up	Heating	elbu	kW		0	.0			
heater	capacity									
Power consump-	Crank-	Cooling	PCK	kW			000			
tion in other than active mode	case heater mode	Heating	PCK	kW		0.0860		0.1290		
	Off mode	Cooling	POFF	kW		0.0760		0.1140		
		Heating	POFF	kW		0.0760		0.1140		
	Standby	Cooling	PSB	kW		0.0760		0.1140		
	mode	Heating	PSB	kW		0.0760		0.1140		
	Thermo-	Cooling	PTO	kW		0.0280		0.0420		
	stat-off mode	Heating	PTO	kW	0.1220					
Cooling	Cdc (Degr	adation c	ooling)		0.25					
Heating	Cdh (Deg	radation h	eating)			0.	25			

Technical spe	cifications System		RXYLQ32T	RXYLQ34T	RXYLQ36T	RXYLQ38T	
System	Outdoor unit module 1		RXYL	_Q10T	RXYLQ12T		
	Outdoor unit module 2		RXYLQ10T		RXYLQ12T		
	Outdoor unit module 3			RXYLQ12T		RXYLQ14T	
Recommended co	mbination		8 x FXMQ63P7VEB + 4 x	3 x FXMQ50P7VEB + 9	2 x FXMQ50P7VEB + 10	6 x FXMQ50P7VEB + 10 x	
			FXMQ80P7VEB	x FXMQ63P7VEB + 2 x	x FXMQ63P7VEB + 2 x	FXMQ63P7VEB	
				FXMQ80P7VEB	FXMQ80P7VEB		
Cooling capacity	Prated,c	kW	89.5 (1)	95.0 (1)	100.5 (1)	107.0 (1)	
Heating capacity	Prated,h	kW	101	107	113	120	
	Max. 6°CWB	kW	100.5 (2)	106.5 (2)	112.5 (2)	120.0 (2)	
SCOP			3.6		3.5		
SEER			6.6	6.7	6	5.9	
ης,ς		%	259.1	266.8	274.4	271.6	
ηs,h		%	141.6	139.2	137.6	137.1	
Space cooling	A Condi- EERd		3.3	3.4	3.5	3.4	
	tion (35°C Pdc - 27/19)	kW	89.5	95.0	100.5	107.0	
	B Condi- EERd		5	.0	5.1		
	tion (30°C Pdc - 27/19)	kW	66.0	70.0	74.1	78.9	
	C Condi- EERd		8.2	8.3	8.4	7.8	
	tion (25°C Pdc - 27/19)	kW	42.9	45.3	47.7	50.7	
	D Condi- EERd		9.9	10.5	11.2	12.5	
	tion (20°C Pdc - 27/19)	kW	27.4	27.6	27.9	29.0	



Technical spe					RXYLQ32T	RXYLQ34T	RXYLQ36T	RXYLQ38T		
Space heating	TBivalent	COPd (de	clared COP)		2.24	2.17	2.11	2.00		
Average climate)			lared heating cap)	kW	88.4	94.0	99.5	106		
		Tbiv (biva	alent temperature)	°C	-6	5.8	-	7.0		
	TOL	COPd (de	clared COP)		2.50	2.44	2.38	2.41		
		Pdh (decl	lared heating cap)	kW	63.0	66.7	70.5	77.6		
		Tol (temp	erature operating	°C		-10				
	A Con-		clared COP)		2.27	2.18	2.11	2.00		
	dition (-7°C)		lared heating cap)	kW	85.5	92.5	99.5	106		
	. ,	COPd (de	clared COP)		3.45	3.43	3.41	3.31		
			lared heating cap)	kW	54.1	57.3	60.6	64.6		
			clared COP)		5.01	4.97	4.93	5.26		
			lared heating cap)	kW	34.9	37.1	39.3	42.1		
	D Con-		clared COP)	NVV	6.56	6.10	5.74	6.18		
	dition		lared heating cap)	kW	24.5	25.7	26.9	26.1		
	(12°C)	T dil (deci								
Capacity range	C-1-			HP	32	34	36	38		
PED	D Category ximum number of connectable indoor units						gory II			
		able indo	or units			1	(3)			
ndoor index	Min.				560	595	630	665		
connection	Nom.				800	850	900	950		
	Max.				1,040	1,105	1,170	1,235		
Sound power level		Nom.		dBA	84.0 (4)	85.0 (4)		0 (4)		
Sound pressure evel	Cooling	Nom.		dBA	62.0 (5)	63.0 (5)	64.	0 (5)		
Refrigerant	Туре					R-4	110A			
	GWP					2,0	87.5			
Refrigerant oil	Туре					Synthetic (eth	ner) oil FVC68D			
Piping connection:	s Liquid	Туре				Braze co	nnection			
	-	OD		mm		19				
	Gas	Туре			Braze connection					
		OD		mm	34.9 41.3					
	Total piping length	System	Actual	m	500 (6)					
	Level dif- ference	OU - IU	Outdoor unit in highest position	m	50					
			Indoor unit in highest position	m	40					
		IU - IU	3 poson	m			30			
Defrost method							ed cycle			
Capacity control	Method						controlled			
		pped with	a supplementary h	neater			10			
Supplementary heater		Heating	elbu	kW			0.0			
Power consump-	Crank-	Cooling	PCK	kW		0.4	000			
		Heating		kW			290			
tion in other than active mode	case heater mode	rieating	I CR	V. A.A.		0.1	270			
	Off mode	Cooling	DOEE	kW		0.1	140			
	OII mode		POFF				140			
	Chair III	Heating	POFF	kW			140			
		Cooling	PSB	kW			140			
	mode	Heating	PSB	kW			140			
	Thermo-		PTO	kW			420			
	stat-off mode	Heating	PTO	kW		0.1	830			
Cooling	Cdc (Degi	radation co	ooling)			0	.25			
Heating	Cdh (Dea	radation h	eating)			0	.25			

Technical spe	ecifications System		RXYLQ40T	RXYLQ42T		
System	Outdoor unit module 1		RXYLQ12T	RXYLQ14T		
	Outdoor unit module 2		RXYLO	Q14T		
	Outdoor unit module 3		RXYLQ14T			
Recommended co	mbination		9 x FXMQ50P7VEB + 9 x FXMQ63P7VEB	12 x FXMQ63P7VEB + 4 x FXMQ80P7VEB		
Cooling capacity	Prated,c	kW	113.5 (1)	120.0 (1)		
Heating capacity	Prated,h kW		128	135		
	Max. 6°CWB	kW	127.5 (2)	135.0 (2)		
SCOP			3.5	5		
SEER			6.8	3		
ηs,c		%	270.3	270.1		
ηs,h		%	137.1			





RXYLQ-T 1 - 1

Technical spec			m		RXYLQ40T	RXYLQ42T
space cooling	A Condi-				3.3	3.2
	tion (35°C	Pdc		kW	113.5	120.0
	- 27/19)	CED4				
	B Condi- tion (30°C			kW	83.7	88.5
	- 27/19)	ruc		KVV	63.7	00.5
	C Condi-	FERd			7.4	7.0
	tion (25°C			kW	53.7	56.7
	- 27/19)	ruc		KVV	55.7	30.7
	D Condi-	EERd			14.1	16.1
	tion (20°C			kW	30.1	31.3
	- 27/19)					
Space heating	TBivalent	COPd (dec	lared COP)		1.91	1.84
Average climate)		Pdh (decla	red heating cap)	kW	113	119
		Tbiv (bival	ent temperature)	°C	-7.	0
	TOL	COPd (dec	lared COP)		2.44	2.47
		Pdh (decla	red heating cap)	kW	84.7	91.8
			rature operating	°C	-10)
		limit)				
	A Con-	COPd (dec			1.91	1.84
	dition	Pdh (decla	red heating cap)	kW	113	119
	(-7°C)	605.1::	1 1600			
		COPd (dec		1111	3.23	3.16
			red heating cap)	kW	68.7	72.7
		COPd (dec		1111	5.59	5.92
			red heating cap)	kW	44.9	47.7
	D Con-	COPd (dec			6.82	7.45
	dition	Pdh (decla	red heating cap)	kW	25.3	24.4
	(12°C)			LID	40	43
Capacity range	C . 1			HP	40	42
PED	Category	.1.1			Categ	•
Maximum number on ndoor index		abie indooi	units		700	
naoor inaex connection	Min. Nom.				700 1,000	735 1,050
.omection	Max.				1,300	1,365
Sound power level		Nom.		dBA	1,500	
Sound pressure	Cooling	Nom.		dBA	64.0	
evel	Cooling	INOITI.		UDA	04.0	(3)
Refrigerant	Туре				R-41	0A
ich igerant	GWP				2,08	
Refrigerant oil	Туре				Synthetic (ethe	
Piping connections		Туре			Braze con	,
3 20111120110113	,	OD		mm	19	
	Gas	Туре			Braze con	
		OD		mm	41.	
	Total		Actual	m	500	
	piping	.,				• •
	length					
	Level dif-	OU - IU	Outdoor unit in	m	50)
	ference		highest position			
			Indoor unit in	m	40)
			highest position			
		IU - IU		m	30)
Defrost method					Reverse	d cycle
	Method				Inverter co	ontrolled
ndication if the hea	<u>.</u>	<u> </u>	a supplementary h	neater	no	
Supplementary		Heating	elbu	kW	0.0)
neater	capacity					
ower consump-	Crank-		PCK	kW	0.00	
ion in other than	case	Heating	PCK	kW	0.12	90
ctive mode	heater					
	mode					
	Off mode		POFF	kW	0.11	
			POFF	kW	0.11	
			PSB	kW	0.11	
	mode		PSB	kW	0.11-	
	Thermo-		PTO	kW	0.04	
		Heating	PTO	kW	0.18	30
	stat-off	rieating	110			
Cooling	mode	radation co			0.2	



Electrical sp	ecifications System		RXYLQ16T	RXYLQ18T	RXYLQ20T	RXYLQ22T	
Current	Nominal Cooling running current (RLA)	А	20.2 (7)	23.9 (7)	27.6 (7)	28.8 (7)	
Current - 50Hz	Nominal Combina- Cooling running tion A current Combina- Cooling (RLA) tion B				-		
	Starting current (MSC) - remark		See note 8				
	Zmax List		No requirements				
	Minimum Ssc value	kVa	11,277 (9)				
	Minimum circuit amps (MCA)	Α	32.2 (10)	38.1 (10)	44.0 (10)	46.0 (10)	
	Maximum fuse amps (MFA)	Α	40 (11)	45 (11)	50 (11)	60 (11)	
	Total overcurrent amps (TOCA)	Α	85.0 (12)				
	Full load Total	Α	3.0 (13)				
	amps						
	(FLA)						
Power Perfor-	Power Combina- 35°C ISO - Fu	ıll load			-		
mance	factor tion B 46°C ISO - F	ıll load			-		

Electrical sp	ecifications System		RXYLQ24T	RXYLQ26T	RXYLQ28T	RXYLQ30T	
Current	Nominal Cooling running current (RLA)	A	29.9 (7)	34.6 (7)	39.2 (7)	41.4 (7)	
Current - 50Hz	Nominal Combina- Cooling running tion A current Combina- Cooling (RLA) tion B				-		
	Starting current (MSC) - remark		See note 8				
	Zmax List		No requirements				
	Minimum Ssc value	kVa		11,277 (9)		16,915 (9)	
	Minimum circuit amps (MCA)	Α	48.0 (10)	51.0 (10)	54.0 (10)	66.0 (10)	
	Maximum fuse amps (MFA)	Α		60 (11)		80 (11)	
	Total overcurrent amps (TOCA)	Α		85.0 (12)		127.5 (12)	
	Full load Total amps	А		3.0 (13)		4.5 (13)	
	(FLA)						
Power Perfor-	Power Combina- 35°C ISO - I	ull load			-		
mance	factor tion B 46°C ISO -	Full load			-		

Electrical sp	ecifications System		RXYLQ32T	RXYLQ34T	RXYLQ36T	RXYLQ38T	
Current	Nominal Cooling running current (RLA)	A	42.6 (7)	43.8 (7)	44.9 (7)	49.6 (7)	
Current - 50Hz	Nominal Combina- Cooling running tion A current Combina- Cooling (RLA) tion B				-		
	Starting current (MSC) - remark		See note 8				
	Zmax List		No requirements				
	Minimum Ssc value	kVa	16,915 (9)				
	Minimum circuit amps (MCA)	A	68.0 (10)	70.0 (10)	72.0 (10)	75.0 (10)	
	Maximum fuse amps (MFA)	А	80 (11) 90 (11)				
	Total overcurrent amps (TOCA)	A	127.5 (12)				
	Full load Total amps (FLA)	А		4.5	(13)		
Power Perfor- mance	Power Combina- 35°C ISO - Fi factor tion B 46°C ISO - F				-		

Electrical :	specifications System		RXYLQ40T	RXYLQ42T		
Current	Nominal Cooling	A	54.2 (7)	58.8 (7)		
	running					
	current					
	(RLA)					



Electrical sp	ecifications System		RXYLQ40T	RXYLQ42T
Current - 50Hz	Nominal Combina- Cooling running tion A			-
	current Combina- Cooling (RLA) tion B			-
	Starting current (MSC) - remark		See r	note 8
	Zmax List		No requ	irements
	Minimum Ssc value	kVa	16,9	15 (9)
	Minimum circuit amps (MCA)	Α	78.0 (10)	81.0 (10)
	Maximum fuse amps (MFA)	Α	90	(11)
	Total overcurrent amps (TOCA)	Α	127.	5 (12)
	Full load Total	Α	4.5	(13)
	amps (FLA)			
Power Perfor-	Power Combina- 35°C ISO - Full Io	ad		-
mance	factor tion B 46°C ISO - Full Ic	ad		-

Technical spe	cificatio	ns Module		RXMLQ8T
PED	Category			Category II
	Most	Name		Compressor
	critical	Ps*V	Bar*l	459
	part			
Dimensions	Unit	Height	mm	1,685
		Width	mm	1,240
		Depth	mm	765
	Packed	Height	mm	1,820
	unit	Width	mm	1,305
		Depth	mm	860
Weight	Unit		kg	302
	Packed u	nit	kg	322
Packing	Material		- Kg	Carton
racking	Weight		kg	3
Packing 2	Material		Ng Ng	Wood
racking 2			lea .	19
Packing 3	Weight		kg	Plastic
Packing 5	Material		1	
<u> </u>	Weight		kg	1
Casing	Colour			Daikin White
	Material			Painted galvanized steel plate
Heat exchanger	Туре			Cross fin coil
	Indoor si			Air
	Outdoor			Air
	Air flow	Cooling Rated	m³/h	10,290
	rate	Heating Rated	m³/h	13,554
Fan	Quantity			2
	Diameter	•	mm	541
	External	Max.	Pa	78
	static			
	pressure			
Fan motor	Quantity			2
	Туре			DC motor
	Output		W	750
Compressor	Quantity			1
	Туре			Hermetically sealed scroll compressor
	Crankcas	e heater	w	33
Operation range	Cooling	Min.	°CDB	-5
operation range	2009	Max.	°CDB	43
	Heating	Min.	°CWB	-25
Operation range	Heating	Max.	°CWB	16
Sound power level		Nom.	dBA	75.0 (1)
Sound pressure	Cooling	Nom.	dBA	55.0 (2)
level	Cooling	NOIII.	UDA	33.U (Z)
Refrigerant	Туре			R-410A
3	GWP			2,087.5
	Charge		TCO2Eq	24.6
	Charge		kg	11.8
Refrigerant oil	Туре		- Ng	Synthetic (ether) oil FVC68D
gerant on	.,,,,			Synthetic (cities) on a vector



RXYLQ-T

Technical spe	cificatio	ns Mod	ule		RXMLQ8T
Piping connection	s Liquid	Туре			Braze connection
		OD		mm	10
	Gas	Туре			Braze connection
		OD		mm	19.1
	Total	System	Actual	m	500 (3)
	piping length	ŕ			
	Level dif-	OU - IU	Outdoor unit in	m	50
	ference		highest position		
			Indoor unit in	m	40
			highest position		
		IU - IU		m	30
Defrost method					Reversed cycle
Capacity control	Method				Inverter controlled
Indication if the he	ater is equi	pped with	a supplementary	heater	no
Supplementary	Back-up	Heating	elbu	kW	0.0
heater	capacity				
Power consump-	Crank-	Cooling	PCK	kW	0.000
tion in other than active mode	case heater	Heating	PCK	kW	0.0430
	mode				
	Off mode	Cooling	POFF	kW	0.0380
		Heating	POFF	kW	0.0380
	Standby	Cooling	PSB	kW	0.0380
	mode	Heating	PSB	kW	0.0380
	Thermo-	Cooling	PTO	kW	0.0140
	stat-off	Heating	PTO	kW	0.0610
	mode				
Cooling	Cdc (Degi	radation c	ooling)		0.25
Heating	Cdh (Deg	radation h	eating)		0.25
Safety devices	Item	01			High pressure switch
		02			Fan driver overload protector
		03			Inverter overload protector
		04			PC board fuse

Electrical sp	ecifications Module		RXMLQ8T
Power supply	Name		Y1
	Phase		3N~
	Frequency	Hz	50
	Voltage	V	380-415
Power supply inta	ake		Both indoor and outdoor unit
Voltage range	Min.	%	-10
	Max.	%	10
Current	Nominal Cooling running current (RLA)	А	10.1 (4)
Current - 50Hz	Nominal Combina- Cooling running tion A		-
	current Combina- Cooling (RLA) tion B		-
	Starting current (MSC) - remark		See note 8
	Zmax List		No requirements
	Minimum Ssc value	kVa	5,638 (9)
	Minimum circuit amps (MCA)	Α	16.1 (10)
	Maximum fuse amps (MFA)	Α	20 (11)
	Total overcurrent amps (TOCA)	Α	42.5 (12)
	Full load Total amps (FLA)	А	1.5 (13)
Power Perfor-	Power Combina- 35°C ISO - Full	load	-
mance	factor tion B 46°C ISO - Full	load	•
Wiring connec- ions - 50Hz	For Quantity power supply		5G
	For Quantity		2
	connec- Remark tion with indoor		F1,F2

⁽⁴⁾Sound power level is an absolute value that a sound source generates. (5)Sound pressure level is an absolute value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.



⁽¹⁾Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal); level difference: 0m |

(2)Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m |

(3)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (70% <= CR <= 130%) |



RXYLQ-T

(6)Refer to refrigerant pipe selection or installation manual |
(7)RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB |
(8)MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always ≤ max. running current.
(9)In accordance with EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply wih Ssc ≥

minimum Ssc value |
(10)MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current. |
(11)MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). |
(12)TOCA means the total value of each OC set. |

(13)FLA means the nominal running current of the fan |



Options 3

3 - 1 Options

RXYLQ-T RXMLQ-T

VRV IV (cold regions) Heat pump

Option list

Number	lh			Single unit		Multi ⋅2⋅ unit	Multi ⋅3⋅ unit	
Number	item	RXYLQ10	RXYLQ12	4RXYLQ10	Multi -2- unit	Width '5' unit		
I.	Refnet header				KHRQ2	2M29H		
				KHRQ2	2M64H			
						KHRQ2	2M75H	
II.	Refnet joint				KHRQ2	2M20T		
				KHRQ22	M29T9			
				KHRQ2	2M64T			
						KHRQ2	2M75T	
III.	Outdoor multi-connection kit	it See note ·2·.				BHFQ22P1007		
IV.	Outdoor multi-connection kit	See note ·2·.					BHFQ22P1517	
Number	No.			Single unit Multi · 2· unit Multi			Multi ⋅3⋅ unit	
Number	item		RXYLQ10	RXYLQ12	4RXYLQ10	Widiti -2- dilit	Williti '5' ullit	
1a	Cool/heat selector (switch)	See note ⋅3 & 4⋅.	KRC19-26A					
1b	Cool/heat selector (PCB)	See note ·3·.	BRP2A81					
1d	Cool/heat selector (fixing box)	See note ·4·.	KJB111A					
2	VRV configurator		EKPCCAB					
3	Branch selector box	·2· units		BPMKS967A2				
3	DIGITAL SELECTOR DOX	·3· units	BPMKS967A3				•	
4	Demand PCB	See note ·5·.	DTA104A61/62*					
5	Demand PCB mounting plate		KKSB26B1*					

- All options are kits
 Only for multi units
 To operate the cool/heat selector function, options ·1a· and ·1b· are both required.
 To mount option ·1d·, option ·1a· is required.
 To install the demand PCB on the large casing type, the demand PCB mounting plate is required.

3D117168B





4 - 1 Combination Table

RXMLQ-T

VRV4

RXYLQ-T **Heat pump**

Indoor unit combination restrictions

Indoor unit combination pattern	VRV* DX indoor unit	RA DX indoor unit	Hydrobox unit	Air handling unit (AHU)
VRV* DX indoor unit	0	0	0	0
RA DX indoor unit	0	0	х	Х
Hydrobox unit	0	х	0,	Х
Air handling unit (3)	0	Х	Х	02

O: Allowed X: Not allowed

Notes

VRV* DX indoor unit
 When combining VRV DX indoor units with other types of indoor units, respect the following combination patterns:
 Example
 Allowed: (VRV DX indoor unit + Hydrobox unit) or (VRV DX indoor unit) or (VRV DX indoor unit) or (VRV DX indoor unit + AHU)
 Not allowed: [VRV DX indoor unit + (RA DX indoor unit & (Hydrobox unit or AHU)]] or [VRV DX indoor unit + (Hydrobox unit & (RA DX indoor unit or AHU)]]

- 1. Only connect Hydrobox units to a VRV IV Heat Pump in combination with a VRV DX indoor unit.
 → Refer to the connection ratio restrictions (3D079540 & 3D117169).
 → Connection with only Hydrobox units: refer to the Daikin Altherma solutions.
 Only connect Hydrobox units of the HXP* series.
 → HXHD* series Hydrobox units are not allowed.

- 3. O₂

 Combination of AHU only + control box EKEQFA (the combination with VRV DX indoor units is not allowed; maximum 54HP for 400 + 2x500 class EKEXV kit)

 -> X-control is possible (up to 3x [EKEXV+EKEQFA* boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

 -> Y-control is possible (up to 3x [EKEXV+EKEQFA* boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

 -> W-control is possible (up to 3x [EKEXV+EKEQFA* boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

 - Combination of AHU only + control box EKEQMA (not combined with VRV DX indoor units)
 - → Z-control is possible (the allowed number of [EKEXV + EKEQMA boxes] is determined by the connection ratio (90-110%) and the capacity of the outdoor unit.
- Combination of AHU and VRV DX indoor units
 → Z-control is possible (EKEQMA* boxes are allowed, but with a limited connection ratio).
- 5. The combination of AHU with Hydrobox units or RA DX indoor units is not allow
- 6. (3) The following units are considered AHUs:

 → EKEXV + EKEQ(MA/FA) + AHU coil

 - → Biddle air curtain
 → FXMQ_MF units

 $\frac{Information}{\mbox{- VKM units are considered to be regular VRV DX indoor units.}}$

3D079543F

RXMLQ-T RXYLQ-T

VRV4

Heat pump

Indoor unit combination restrictions

Combination table	RYYQ*	RYYQ*	RXYQ* RXMLQ* RXYLQ*	RXYQ* RXMLQ* RXYLQ*
	Single continuous heating	Multi continuous heating	Single non-continuous heating	Multi non-continuous heating
VRV* DX indoor unit	0	0	0	0
RA DX indoor unit	0	Х	0	Х
Hydrobox unit	0	0,	0	0,
Air handling unit (AHU) (2)	0	0	0	0

O: Allowed

X: Not allowed

<u>Notes</u>

- Available upon request through the SPN procedure.

- 2. (2) The following units are considered AHUs:
 - → EKEXV + EKEQ(MA/FA) + AHU coil
 - → Biddle air curtain
 - ightarrow FXMQ_MF units

3D079543F



4 - 1 Combination Table

RXMLQ-T

RXYLQ-T

Unit combination restrictions: VRV4 outdoor units (all models) + 15-class indoor units

Units in scope: FXZQ15A and FXAQ15A.

- In case the system contains these indoor units and the total connection ratio (CR) ≤ 100%: no special restrictions.
 Follow the restrictions that apply to regular VRV DX indoor units.
- 2. In case the system contains these indoor units and the total connection ratio (CR) > 100%: special restrictions apply.
 - A. When the connection ratio (CR1) of the sum of all FXZQ15A and/or FXAQ15A units in the system ≤ 70%, and ALL other VRV DX indoor units have an individual capacity class > 50: no special restrictions.
 - B. When the connection ratio (CR1) of the sum of all FXZQ15A and/or FXAQ15A units in the system ≤ 70%, and NOT ALL other VRV DX indoor units have an individual capacity class > 50: the restrictions below apply.
 - 100% < CR ≤ 105% → CR1 of the sum of all FXZQ15A and/or FXAQ15A indoor units in the system must be ≤ 70%.
 - 105% < CR ≤ 110% → CR1 of the sum of all FXZQ15A and/or FXAQ15A indoor units in the system must be ≤ 60%.
 - 110% < CR ≤ 115% → CR1 of the sum of all FXZQ15A and/or FXAQ15A indoor units in the system must be ≤ 40%.
 - 115% < CR ≤ 120% → CR1 of the sum of all FXZQ15A and/or FXAQ15A indoor units in the system must be ≤ 25%.
 - 120% < CR ≤ 125% → CR1 of the sum of all FXZQ15A and/or FXAQ15A indoor units in the system must be ≤ 10%.
 - $125\% < CR \le 130\% \rightarrow FXZQ15A$ and FXAQ15A cannot be used

REMARK

Only the 15-class indoor units explicitly mentioned on this page are in scope. Other indoor units follow the rules that apply to regular VRV DX indoor units.

3D104665



4 - 1 Combination Table

RXMLQ-T

RXYLQ-T

RWEYQ-T9

Compatibility list: ·VRV4· heat pump - ·RA DX· indoor unit

Wall mounted type	Emura	FTXJ20M
		FTXJ25M
		FTXJ35M
		FTXJ50M
	Stylish	FTXA20
		FTXA25
		FTXA35
		FTXA42
		FTXA50
	FTXM	FTXM20R
		FTXM25R
		FTXM35R
		FTXM42R
		FTXM50R
		FTXM60R
		FTXM71R
Ceiling/wall mounted	Flex	FLXS25B
		FLXS35B
		FLXS50B
		FLXS60B
Floor standing type	FVXM	FVXM25F
		FVXM35F
		FVXM50F
		FVXM25A
		FVXM35A
		FVXM50A
		CVXM20A
	Nexura	FVXG25K
		FVXG35K FVXG50K
		LAVGOOK

Remark

The limitations on the use of ·RA DX· indoor units with the ·VRV4· Heat Pump are subject to the rules set out in drawings ·3D079543· and ·3D079540·.

If you want to connect $\cdot RA \cdot / \cdot SA \cdot \cdot DX \cdot$ cassette, ceiling-mounted, or duct indoor units, use their $\cdot VRV \ DX \cdot$ indoor unit equivalents instead.

3D082373G



4 - 1 Combination Table

RXYLQ-T

·VRV· Cold region heat pump Multi-unit standard combinations table

		8НР	10HP	12HP	14HP
۵.	RXYLQ10		1		
Heat РUMP	RXYLQ12			1	
	RXYLQ14				1
h 2	RXYLQ16	2			
s wit	RXYLQ18	1	1		
tion E pit	RXYLQ20		2		
oina oor	RXYLQ22		1	1	
combination v	RXYLQ24			2	
Multi combination with 2 outdoor units	RXYLQ26			1	1
Mu	RXYLQ28				2
	RXYLQ30		3		
witl	RXYLQ32		2	1	
Multi combination with 3 outdoor units	RXYLQ34		1	2	
oor	RXYLQ36			3	
omi	RXYLQ38			2	1
Ę	RXYLQ40			1	2
ž	RXYLQ42				3

Notes

- 1) It is allowed to have other combinations than those described above.
- 2) Never combine more than 3 units to create a multi-combination.
- 3) RXYLQ10~14 = single non continuous heating model
- 4) RXYLQ16~42 = multi non continuous heating model

3D117167



5 - 1 Capacity Table Legend

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have to help you select the correct product:

- <u>Capacity table database:</u> lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here: https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html



 An overview of <u>all software tools</u> that we offer can be found here: https://my.daikin.eu/denv/en_US/home/applications/software-finder.html





5 - 2 Capacity Correction Factor

RXMLQ-T RXYLQ-T

·VRV· Cold region heat pump Integrated Heating Capacity coefficient

The heating capacity tables do not take account of the reduction in capacity, when frost has accumulated or while the defrosting operaton is in progress. The capacity values, which take these factors into account, in other words, the integrated heating capacity values, can be calculated as follows:

Formula:

Integrated heating capacity = A

Value given in table of capacity characteristics = B Integrating
correction factor for frost accumulation (kW) = C A = B * C

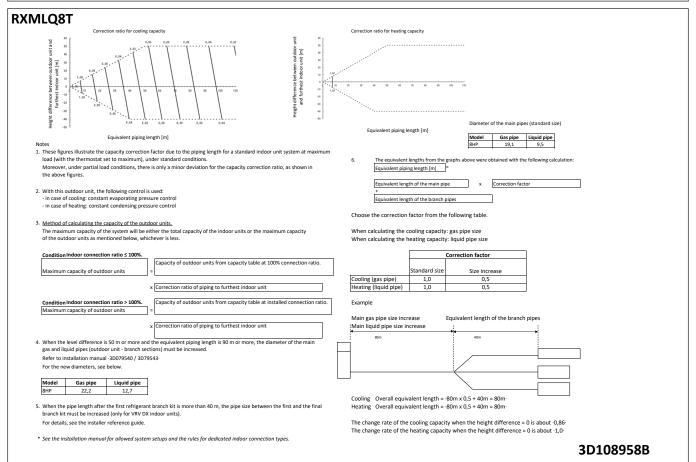
Inlet air temperature of heat exchanger

[°CDB/°CWB]	-7/-7,6 or less	-5/-5,6	-3/-3,7	0/-0,7	3/2,2	5/4,1	7/6
Correction factor defrost	0.95	0.90	0.90	0.90	0.90	0.95	1,00

Notes

- The figure shows that the integrated heating capacity expresses the integrated capacity for a single cycle (from defrost operation to defrost operation) in terms or time.
- 2) Note that, when there is an accumulation of snow against the outside surface of the outdoor unit heat exchanger, there will always be a temporary reduction in capacity, although this will of course vary in degree in accordance with a number of other factors, such as the outdoor temperature (°CDB), relative humidity (RH) and the amount of frosting which occurs.
- 3) Multi combination data is corresponding with the standard multi combination as mentioned on 3D117167.

3D117196

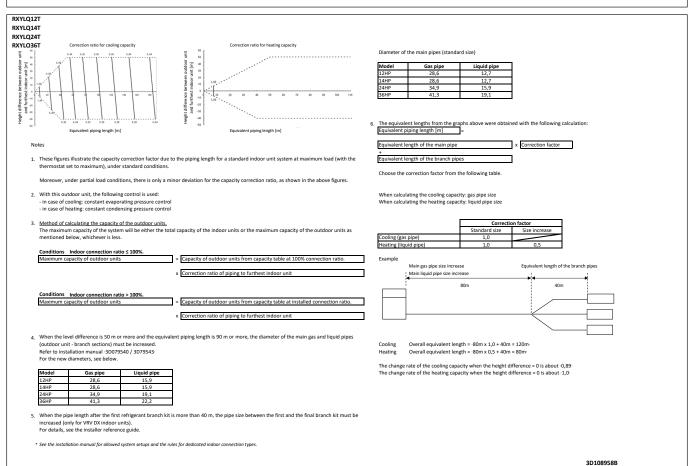


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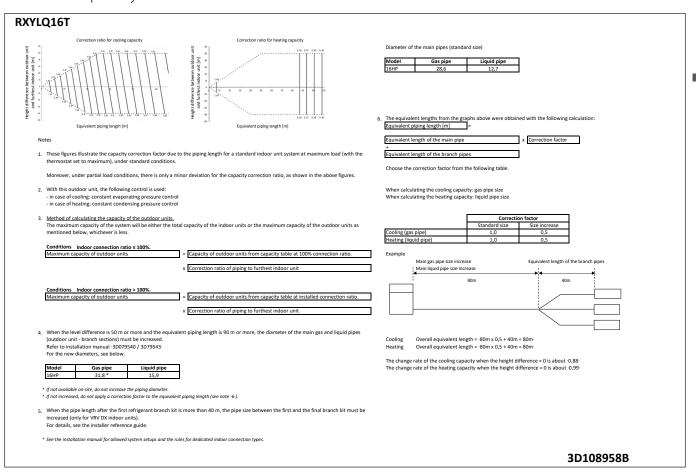
5 - 2 Capacity Correction Factor

RXYLQ10T Correction ratio for cooling capacity Equivalent piping length [m] Diameter of the main pipes (standard size) Model Gas pipe Liquid pipe otes These figures illustrate the capacity correction factor due to the piping length for a standard indoor unit system at maximum load (with the thermostat set to maximum), under standard conditions. Moreover, under partial load conditions, there is only a minor deviation for the capacity correction ratio, as shown in the above figures. With this outdoor unit, the following control is used: x Correction factor Equivalent length of the main pipe - in case of cooling: constant evaporating pressure control - in case of heating: constant condensing pressure control Equivalent length of the branch pipes Method of calculating the capacity of the outdoor units. The maximum capacity of the system will be either the total capacity of the indoor units or the maximum capacity of Choose the correction factor from the following table the outdoor units as mentioned below, whichever is less When calculating the cooling capacity: gas pipe size When calculating the heating capacity: liquid pipe size Conditions Indoor connection ratio ≤ 100%. Maximum capacity of outdoor units = Capacity of outdoor units from capacity table at 100% connection ratio. x Correction ratio of piping to furthest indoor unit Conditions Indoor connection ratio > 100%. Maximum capacity of outdoor units x Correction ratio of piping to furthest indoor unit Main gas pipe size increase Main liquid pipe size increase Equivalent length of the branch pipes 4. When the level difference is 50 m or more and the equivalent piping length is 90 m or more, the diameter of the main gas and liquid pipes (outdoor unit - branch sections) must be increased Refer to installation manual ·3D079540 / 3D79543· For the new diameters, see below. Model Gas pipe Liquid pipe 10HP 25,4 * 12,7 * If not available on-site, do not increase the piping diameter. * If not increased, do not apply a correction factor to the equivalent piping length (see note -6-). Cooling Overall equivalent length = $\cdot 80m \times 0,5 + 40m = 80m$ Heating Overall equivalent length = $\cdot 80m \times 0,5 + 40m = 80m$ 3D108958B

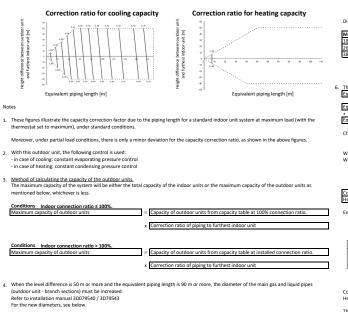




5 - 2 Capacity Correction Factor







Diameter of the main pipes (standard size)

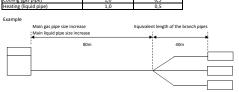
Model	Gas pipe	Liquid pipe
L8HP	28,6	15,9
26~30HP	34,9	19,1
38~42HP	41,3	19,1

The equivalent lengths from the graphs above were obtained with the following calculation
 Equivalent piping length [m]
 =

Equivalent length of the main pipe x Correction face
+
Equivalent length of the branch pipes

Choose the correction factor from the following table

When calculating the cooling capacity: gas pipe size When calculating the heating capacity: liquid pipe size



Cooling Overall equivalent length = 80m x 1,0 + 40m = 120m Heating Overall equivalent length = 80m x 0,5 + 40m = 80m

The change rate of the cooling capacity when the height difference = 0 is about 0,83 The change rate of the heating capacity when the height difference = 0 is about 1,0

If not available on-site, do not increase the piping diameter.

- If not increased, do not apply a correction factor to the equivalent piping length (see note 6).
- 5. When the pipe length after the first refrigerant branch kit is more than 40 m, the pipe size between the first and the final branch kit must be increased (only for WX bindoor units).
 For details, see the installer reference guide.
- * See the installation manual for allowed system setups and the rules for dedicated indoor connection types.

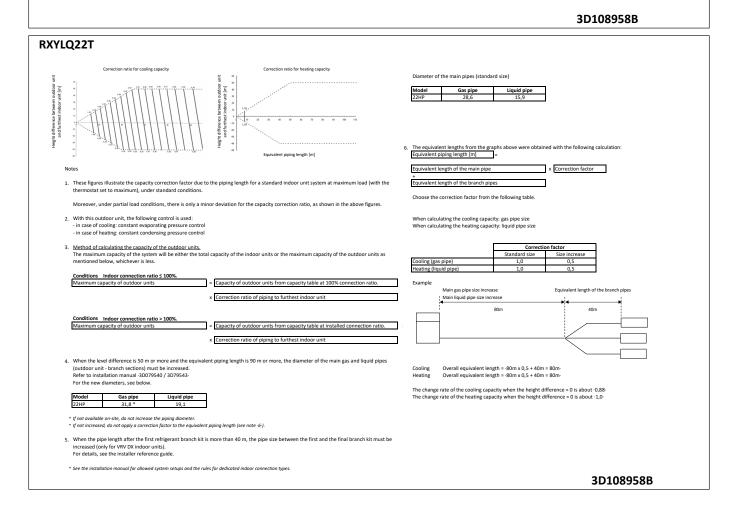
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5 - 2 Capacity Correction Factor

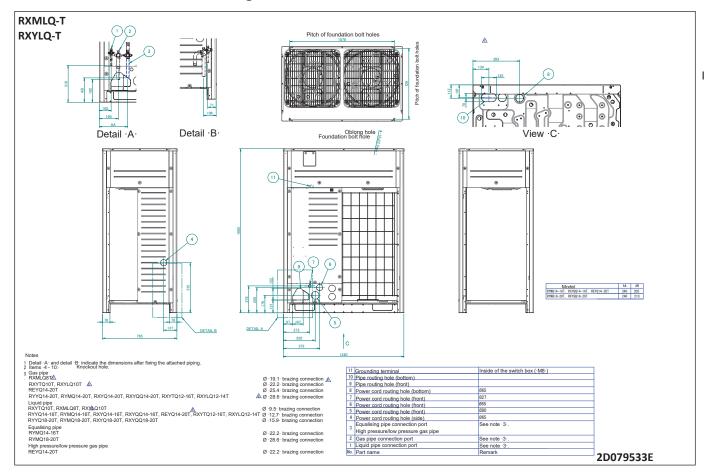
RYLQ34T RYUQ34T **Committee must be called causes **Discovered to must be called causes **Discovered to must be called causes **Discovered to must be called to must be called to must be page (legal for a standard indoor unit system at maximum load (with the format page of the must be caused to must be page (legal for a standard indoor unit system at maximum load (with the format page of the must be caused to must be capacity correctors factor due to the page (legal for a standard indoor unit system at maximum load (with the format page of the must be capacity correctors factor due to the page (legal for a standard indoor unit system at maximum load (with the format page of the must be capacity correctors factor due to the page (legal for a standard indoor unit system at maximum load (with the format page of the must page o





6 Dimensional drawings

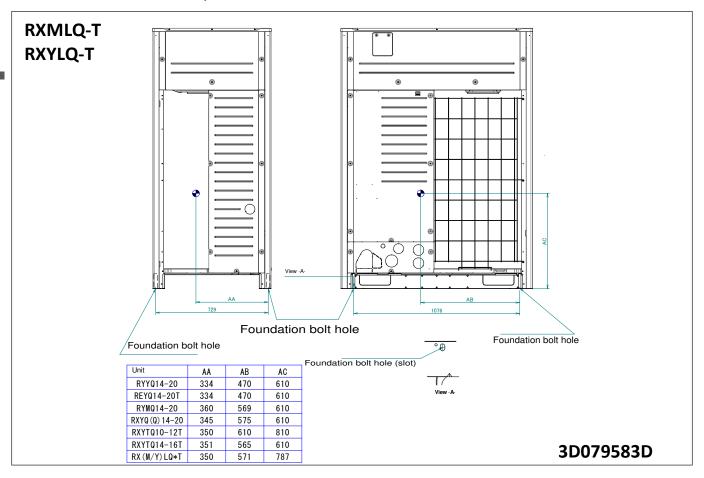
6 - 1 Dimensional Drawings





7 Centre of gravity

7 - 1 Centre of Gravity





8 Piping diagrams

8 - 1 Piping Diagrams

RXMLQ-T ∼OR1T **RXYLQ-T** 也 R10T ÓR6T 1 X SY 5S Y1S () R3T **-**₩ R21T() M1C Stop valve with service port ф Muffler Propeller fan Check valve Heat exchanger Filter \$ Electronic expansion valve Solenoid valve \Diamond 4-way valve Capillary tube Service port · 5/16"· flare HPS High pressure switch Pressure relief valve LPS Low pressure switch R1T: Thermistor (air) Compressor R21T: Thermistor (discharge) Thermistor (suction) Oil separator Thermistor (heat exchanger liquid main) Stop valve Thermistor (subcool heat exchanger liquid) Thermistor (subcool heat exchanger gas) Distributor Thermistor (heat exchanger, deicer) Ш R8T: Thermistor (compressor body) R10T: ThermistorSubcool heat exchanger inlet Accumulator 3D117164A Subcool heat exchanger



Piping diagrams

8 - 1 Piping Diagrams

RXMLQ-T RXYLQ-T

	Maximum piping length			Maxi				
For the reference drawing, see		Longest pipe	After first branch	After first branch (for multi-outdoor)	Indoor-to ⁽³⁾ outdoor	Indoor-to-indoor	Outdoor-to-outdoor	Total piping length
page 2/3.		(A+[B,G,E,J])	(B,G,E,J)	(D)	(H1)	(H2)	(H3)	
		Actual / (Equivalent)	Actual	Actual / (Equivalent)	Outdoor above indoor / (indoor above outdoor)		1	
Standard		(8)						
VRV DX indoor units only		165/(190)m	40m ⁽¹⁾	10/(13)m	50/(40)m ⁽³⁾	30m	5m	500m
Standard multi-combination		L					L	
All multi-outdoor-unit combinations except standard multi-outdoor-unit combinations		135/(160)m ⁽⁸⁾	40m ⁽¹⁾	10/(13)m	50/(40)m ⁽³⁾	30m	5m	300m
Hydrobox connection		135/(160)m ⁽⁸⁾	40m	10/(13)m	50/(40)m	15m	5m	300m ⁽⁵⁾
RA connection		100/(120)m ⁽⁸⁾	50m ⁽²⁾	-	50/(40)m	15m	-	250m
	Pair	50/(55)m ⁽⁴⁾		-	40/(40)m		-	-
AHU connection	Multi (6)	120/(140)m ⁽⁸⁾	40m	10/(13)m	40/(40)m	15m	5m	500m
	Mix (7)	120/(140)m ⁽⁸⁾	40m	10/(13)m	40/(40)m	15m	5m	500m

Remark
For standard multi-outdoor-unit combinations, see 3D117167.

- Remark

 For standard multi-outdoor-unit combinations, see 30117167.

 (1) If all conditions below are met, the limitation can be extended up to 90 m

 a. The piping length between all indoor units and the nearest branch kit is 40m.

 b. It is necessary to increase the size of the gas and liquid piping.

 If the increased pipes size is larger than the pipe size of the main pipe, also increase the size of the main pipe.

 c. When the piping size is increased, the piping length has to be counted as double.

 The total piping length sto be within limitations.

 d. The piping length store the first branch and the BP box or VRI vindoor unit is more than 20m, increase the length of the gas and liquid piping between the first branch and the BP box or VRI vindoor unit.

 (3) An extension to up to 90 m is possible without an additional option kit. Respect the following conditions:

 a. Size up the liquid piping

 b. A dedicated setting on the outdoor unit is required.

 b. If the outdoor units are positioned higher than the indoor units:

 a. Size up the liquid piping

 A dedicated setting on the outdoor unit is required.

 65*8 Minimum connection ratio: 90%

 65*8 Minimum connection ratio: 90%

 65*8 Minimum connection ratio: 90%

 65*8 Minimum connection ratio: 100%

 b. Size up the liquid piping

 A dedicated setting on the outdoor unit is required.

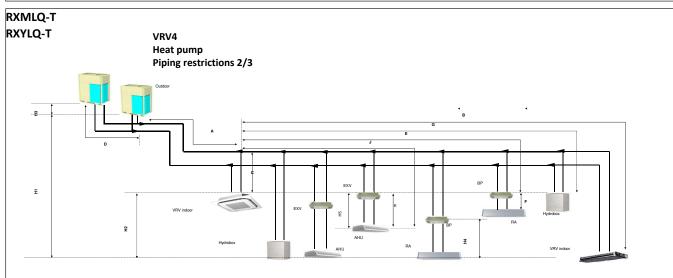
 (4) The allowable minimum length is 5 m.

 (5) In case of multi-outdoor-unit combinations.

 (6) Multiple air Andiding units (AHU/CEKTV + EKCR kts).

 (7) Mix of AHU units and VRV DX indoor

3D117169



- (1) Schematic indication
 - Illustrations may differ from the actual appearance of the unit.
- (2) This is only to illustrate piping length limitations.
 Combination of indoor unit types is not allowed.

Refer to combination table 3D079543 for details about the allowed combinations.

		Allowed pi	ping length	Maximum hei	ght difference
		BP to RA	EXV to AHU	BP to RA	EXV to AHU
		(F)	(K)	(H4)	(H5)
RA connection		2~15m	-	5m	-
AHU	Pair		≦5m		5m
connection Multi (1)			≦5m		5m
	Mix (2)	-	≦5m	-	5m

Remark

- (1) Multiple air handling units (AHU)(EKEXV + EKEQ kits).
- (2) Mix of AHU units and VRV DX indoor

3D117169



Piping diagrams

8 - 1 Piping Diagrams

RXMLQ-T RXYLQ-T

VRV4 Heat pump Piping restrictions 3/3

System pattern Allowed connection ratio (CR)	Total		Allowed capacity			
Other combinations are not allowed.	Capacity	Indoor unit quantity (VRV, RA, AHU, Hydrobox)	VRV DX indoor unit	RA DX indoor unit	Hydrobox unit	Air handling unit (AHU)
VRV DX indoor units only	70~130%	Max.64	70~130%	-	-	-
VRV DX indoor unit + RA DX	80~130%	Max.32 ⁽¹⁾	0~130%	0~130%	-	-
RA DX indoor unit	80~130%	Max.32 ⁽¹⁾	-	80~130%	-	-
VRV DX indoor unit + LT hydrobox	70~130%	Max.32	70~130%	-	0~50%	-
VRV DX indoor unit + AHU	70~110% ⁽³⁾	Max.64 ⁽²⁾	70~110%	-	-	0~110%
AHU only Pair + multi	90~110% ⁽³⁾	Max.64 ⁽²⁾	-	-	-	90~110%

- Remark
 (1) There is no restriction on the number of connectable BP boxes.
- (2) For connection with AHU

 EKEXV kits are also considered indoor units.
- (3) Restrictions regarding the air handling unit capacity
 (4) Pair AHU = system with 1 air handling unit connected to one outdoor unit Multi AHU = system with multiple air handling units connected to one outdoor unit

- About ventilation applications

 I. FXMQ_MF units are considered air handling units, following air handling unit limitations.

 Maximum connection ratio when combined with VRV DX indoor units: <30%. Maximum connection ratio when only air handling units are connected: <100%.
 For information on the operation range, refer to the documentation of the FXMQ_MF unit.
- II. Biddle air curtains are considered air handling units, following air handling unit limitations: For information on the operation range, refer to the documentation of the Biddle unit.
- III. [EKEXV + EKEQ] units combined with an air handling unit are considered air handling units, following air handling unit limitations. For information on the operation range, refer to the documentation of the EKEXV-EKEQ unit.
- IV. VKM units are considered to be regular VRV DX indoor units.
 - For information on the operation range, refer to the documentation of the VKM unit.
- V. Because there is no refrigerant connection with the outdoor unit (only communication F1/F2). VAM units do not have connection limitations. However, since there is communication via F1/F2, count them as regular indoor unit when calculating the maximum allowed number of connectable indoor units.

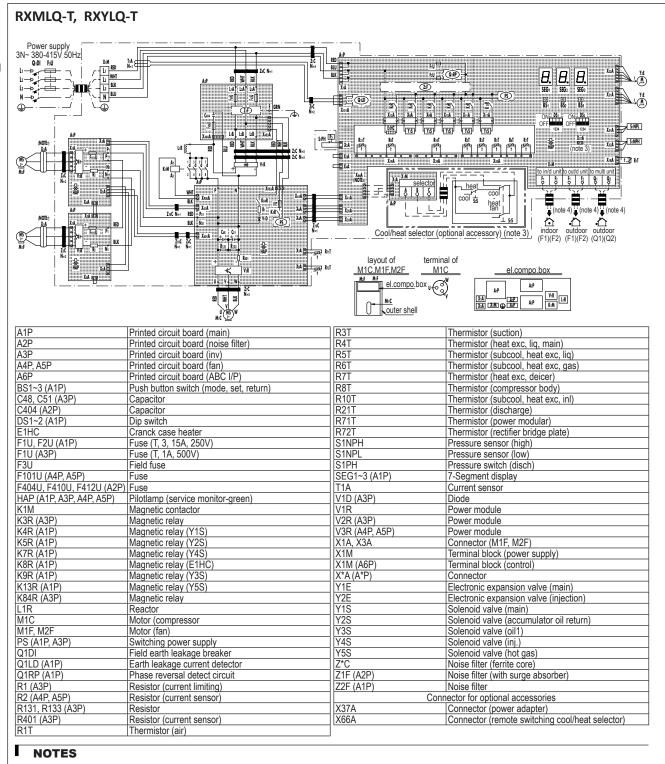
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Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase



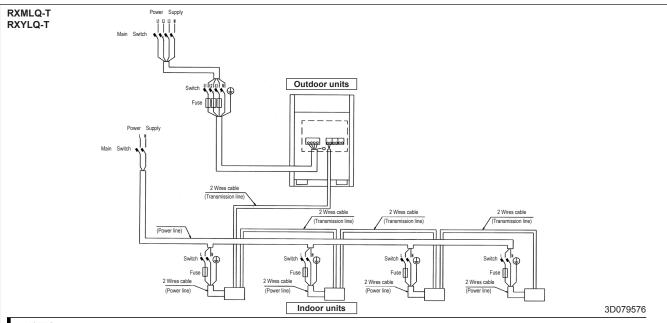
- 1. This wiring diagram applies only to the outdoor unit.
- 2. :: field wiring, : terminal block, : terminal block, : terminal, : terminal, : terminal, : terminal, : terminal block, : terminal block
 - -: earth wiring, ---: field supply, --□: switch box, [===
- 3. When using the optional adapter, refer to the installation manual of the optional adapter.
- 4. For connection wiring from indoor-outdoor transmission F1-F2
- 5. Outdoor-outdoor transmission F1-F2, outdoor-multi transmission Q1-Q2
- 6. Refer to the installation manual.
- 7. How to use BS1~3 switch. Refer to "service precaution" label on el. compo. box cover.
- 8. When operating, don't shortcircuit the protection devices (S1PH).
- 9. Connector X1A (M1F) is white, connector X3A (M2F) is red.

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External connection diagrams 10

10 - 1 External Connection Diagrams

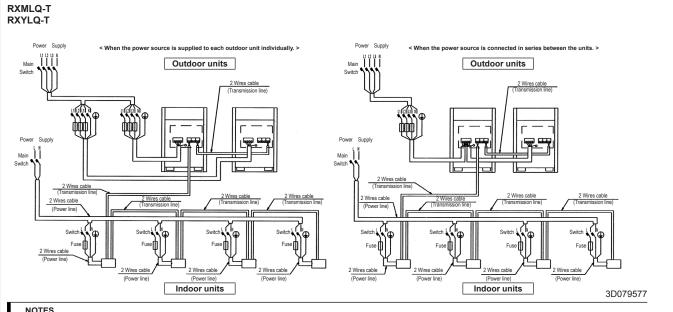


NOTES

- All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
- Use copper conductors only.
- As for details, see wiring diagram
- Install circuit breaker for safety.

 All field wiring and components must be provided by licensed electrician.
- Unit shall be grounded in compliance with the applicable local and national codes
- Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- Be sure to install the switch and the fuse to the power line of each equipement.
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources
- If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally. Running the product in reversed phase may break the compressor and other parts.

11. Must install earth leakage circuit breaker.



NOTES

- All wiring, components and materials to be procured on the site must comply with the applicable local and national codes. Use copper conductors only.

 As for details, see wiring diagram.

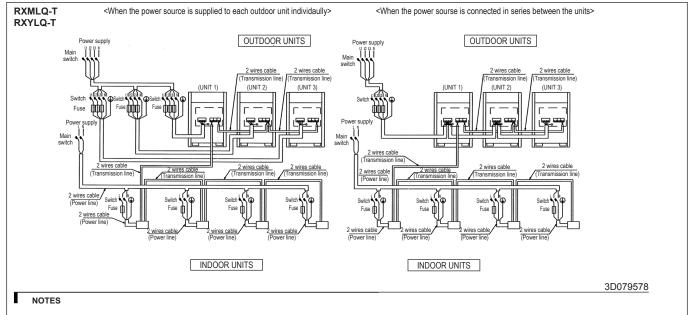
- Install circuit breaker for safety.
- All field wiring and components must be provided by licensed electrician.
- Unit shall be grounded in compliance with the applicable local and national codes.
 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- Be sure to install the switch and the fuse to the power line of each equipement.
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- the capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.

 If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally. Running the product in reversed phase may break the compressor and other parts.
- 12. Must install earth leakage circuit breaker



External connection diagrams 10

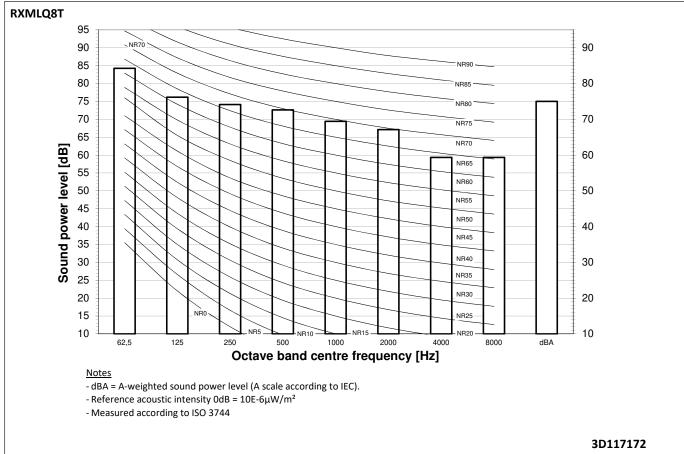
10 - 1 External Connection Diagrams



- All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
- Use copper conductors only.
- As for details, see wiring diagram.
- Install circuit breaker for safety.
- All field wiring and components must be provided by licensed electrician.
- Unit shall be grounded in compliance with the applicable local and national codes.
- Wiring shown are general points-of-connection guides only and are nog intended for or to include all details for a specific installation. Be sure to install the switch and the fuse to the power line of each equipement.
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- 10. The capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.
- 11. If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally. Running the product in reversed phase may break the compressor and other parts.
- 12. Must install earth leakage circuit breaker.



11 - 1 Sound Power Spectrum

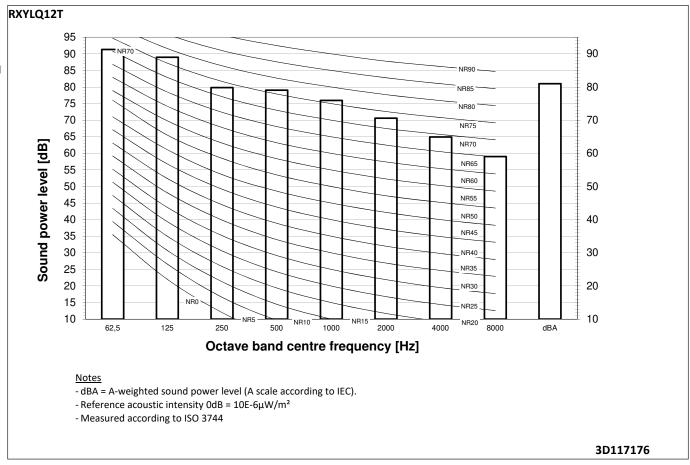


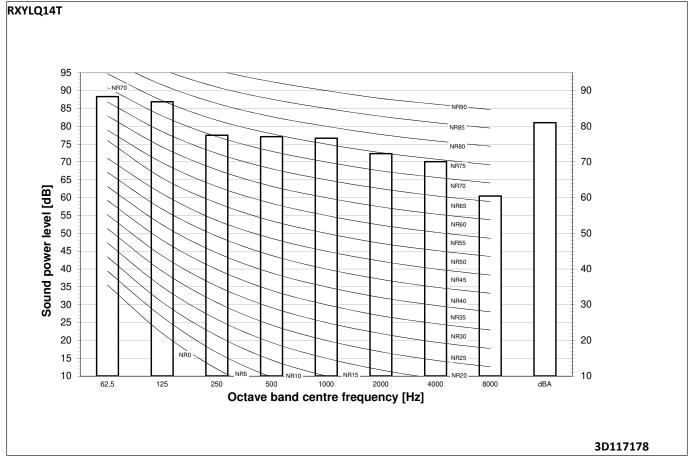
RXYLQ10T Sound power level [dB] Octave band centre frequency [Hz] Notes -dBA = A-weighted sound power level (A scale according to IEC). - Reference acoustic intensity 0dB = 10E-6µW/m² - Measured according to ISO 3744

3D117174



11 - 1 Sound Power Spectrum

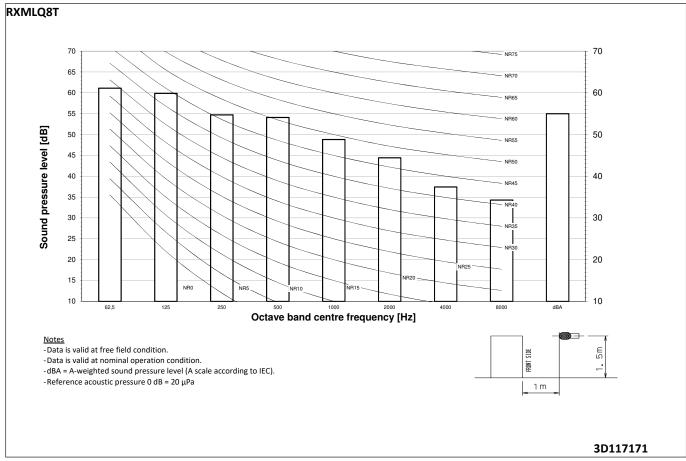


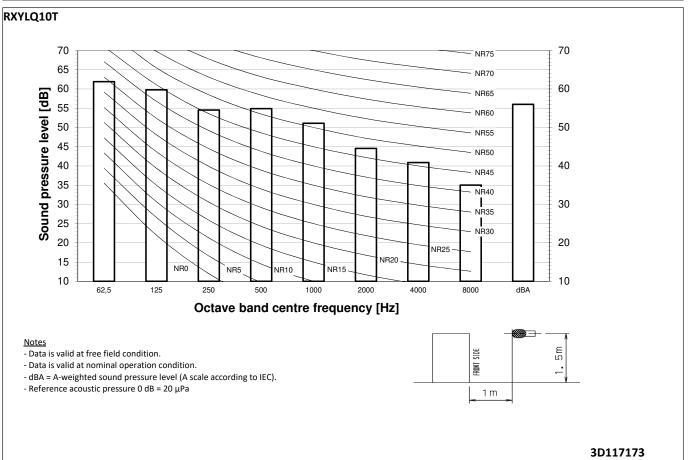


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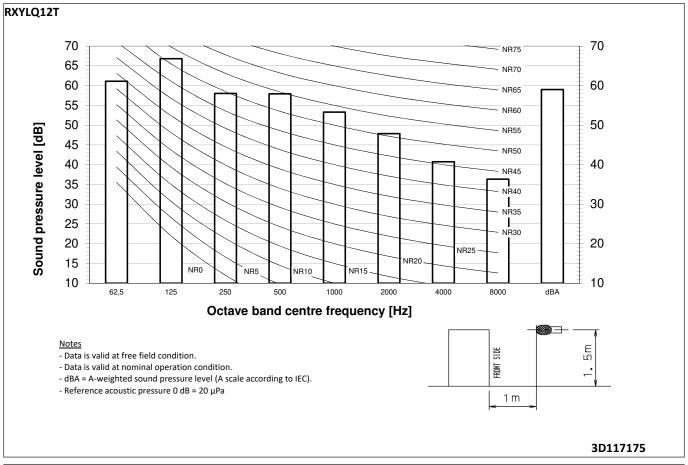
11 - 2 Sound Pressure Spectrum

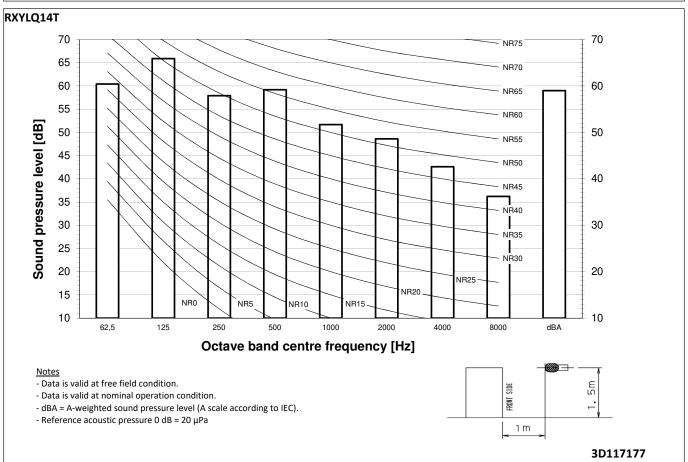






11 - 2 Sound Pressure Spectrum



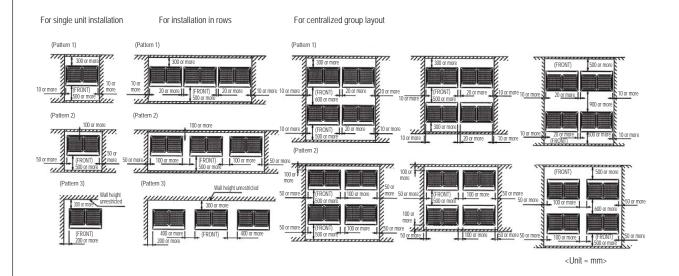


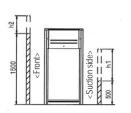


Installation 12

12 - 1 Installation Method

RXMLQ-T **RXYLQ-T**





NOTES

1. Heights of walls in case of patterns 1 and 2:

Front: 1500mm

Suction side: 500mm

Side: Height unrestricted

Installation space as shown on this drawing is based on the cooling operation at 35 degrees outdoor air temperature.

When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space as shown on this drawing.

2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.

- 3. When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available. Always keep in mind the need to leave enough space for a person to pass between units and wall and also for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits).
- 4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

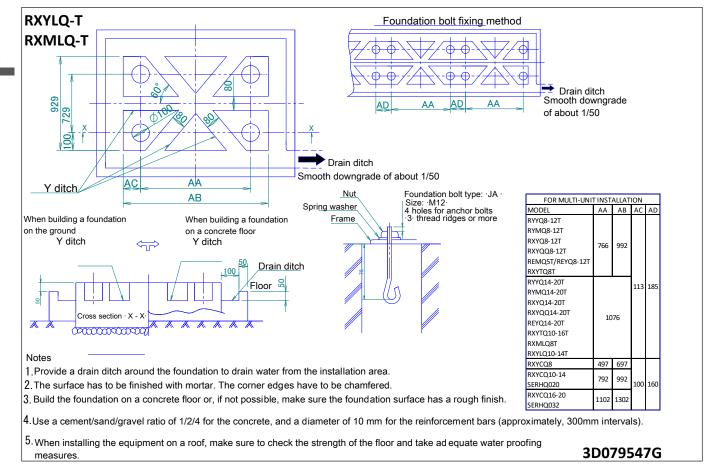
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12 Installation

12 - 2 Fixation and Foundation of Units

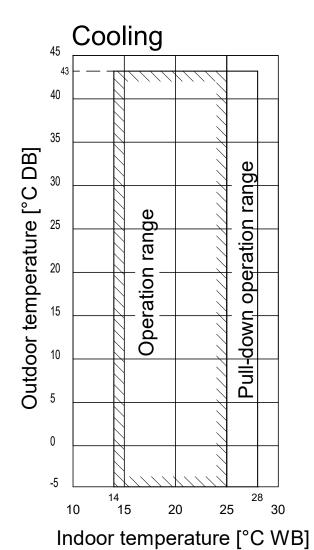




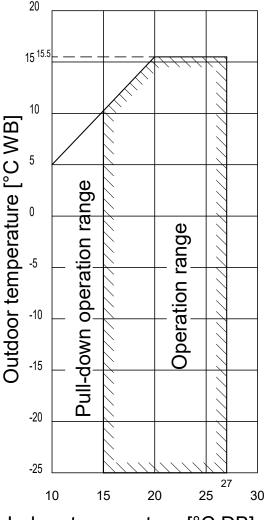
13 Operation range

13 - 1 Operation Range

RXMLQ-T RXYLQ-T



Heating



Indoor temperature [°C DB]

Notes

 These figures assume the following operation conditions Indoor and outdoor units

Equivalent piping length: ·5·m

Level difference: ·0·m

- 2. Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
- 3. To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
- Operation range is valid in case direct expansion indoor units are used.
 If other indoor units are used, refer to the documentation of the respective indoor units.

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14 Appropriate Indoors

14 - 1 Appropriate Indoors

RXYQ-U

RYYQ-U

RYMQ-U

RXMLQ-T

RXYLQ-T

Recommended indoor units for RXYQ*U* / RYYQ*U* / RYMQ*U* / RXMLQ*T* / RXYLQ*T* outdoor units

HP	8	10	12	14	16	18	20
1	4xFXFQ50	4xFXFQ63	6xFXFQ50	1xFXFQ50	4XFXFQ63	3xFXFQ50	2xFXFQ50
1	4XFXFQ50	4XFXFQ03	OXFAFQSU	5XFXFQ63	2xFXFQ80	5XFXFQ63	6xFXFQ63
2	4xFXSQ50	4xFXSQ63	6xFXSQ50	1xFXSQ50	4XFXSQ63	3xFXSQ50	2xFXSQ50
2	4XFX3Q30	4XFX3Q03	0XFX3Q30	5XFXSQ63	2xFXSQ80	5XFXSQ63	6xFXSQ63
	4	4EVN40.C2	C. EVNAOEO	1xFXMQ50	4XFXMQ63	3xFXMQ50	2xFXMQ50
3	4xFXMQ50 4xFXMQ63		6xFXMQ50	5XFXMQ63	2xFXMQ80	5XFXMQ63	6xFXMQ63

For multi outdoor units >16HP, the recommended amount of indoor units is the sum of the indoor units defined for a single outdoor unit.

For details about the allowed combinations, see the engineering databook.

Appropriate indoor units for RXYQ*U* / RYYQ*U* / RYMQ*U* / RXMLQ*T* / RXYLQ*T* outdoor units

Covered by ENER LOT21

FXFQ20-25-32-40-50-63-80-100-125

FXZQ15-20-25-32-40-50

FXCQ20-25-32-40-50-63-80-125

FXKQ25-32-40-63

FXDQ15-20-25-32-40-50-63

FXSQ15-20-25-32-40-50-63-80-100-125-140

FXMQ50-63-80-100-125-200-250

FXAQ15-20-25-32-40-50-63

FXHQ32-63-100

FXUQ71-100

FXNQ20-25-32-40-50-63

FXLQ20-25-32-40-50-63

Covered by ENER LOT10

FTXJ25-35-50

FTXA20-25-35-42-50

FTXM20R-25R-35R-42R-50R-60R-71R

FLXS25-35-50-60

FVXM25F-35F-50F

FVXG25-35-50

FVXM25A-35A-50A

CVXM20A

Outside the scope of ENER LOT21

EKEXV50-63-80-100-125-140-200-250-400-500 + EKEQM / EKEQF

HXY080-125

VKM50-80-100

CYVS100-150-200-250

CYVM100-150-200-250

CYVL100-150-200-250

3D113976F

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