Replacement VRV, heat recovery

Quick & quality replacement for R-22 and R-407C systems

- Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- Efficiency gains of more than 40% can be realized, thanks to technological developments in heat pump technology and the more efficient R-410A refrigerant
- Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- Possibility to add indoor units and increase capacity without changing the refrigerant piping
- Possibility to spread the various stages of replacement thanks to the modular design of the VRV system
- Accurate temperature control, fresh air provision, air handling units and Biddle air curtains all integrated in a single system requiring only one single point of contact (RXYQQ-U only)
- Incorporates VRV IV standards & technologies: Variable Refrigerant
- Temperature and full inverter compressors (RXYQQ-U only)
- Free combination of outdoor units to meet installation space or efficiency requirements (RXYQQ-U only)

RQCEQ712-848P3

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

RQCEQ-P3

Outdoor unit system			RQCEQ	280P3	460P3	500P3	540P3	712P3	744P3	816P3
System	Outdoor unit module 1			RQEQ140P3			RQEQ180P3	RQEQ140P3		RQEQ180P3
	Outdoor unit module 2			RQEQ140P3		RQEQ180P3				RQEQ212P3
	Outdoor unit module 3			-	RQEQ180P3				RQEQ212P3	
	Outdoor unit module 4			-				RQEQ212P3		
Capacity range			HP	10	16	18	20	24	26	28
Cooling capacity	Prated,c		kW	28.0	46.0	50.0	54.0	70.0	72.0	78.0
Heating capacity	Prated,h		kW	32.0	52.0	56.0	60.0	78.4	80.8	87.2
Recommended combination				4x FXMQ63P7VEB	4x FXMQ63P7VEB + 2x FXMQ80P7VEB	4x FXSQ32A2VEB + 8x FXSQ40A2VEB	12x FXSQ40A2VEB	4x FXSQ32A2VEB + 9x FXSQ40A2VEB + 3x FXSQ50A2VEB	4x FXSQ32A2VEB + 6x FXSQ40A2VEB + 6x FXSQ50A2VEB	7x FXSQ40A2VEB + 9x FXSQ50A2VEB
ηs,c			%	200	191	201	198	194		204
ηs,h			%	159	161	150	148	153	155	
Maximum number of connectable indoor units				21	34	39	43	52	56	60
Indoor index connection	Min.			140	230	250	270	356	372	408
	Nom.			280	500		540	712	744	816
	Max.			364	598	650	702	926	967.0	1,061
Piping connections	Liquid	OD	mm	9.52	12.7	15.9			19.1	
	Gas	OD	mm	22.2	28.6				34.9	
	Total piping length	System Actual	m	300						
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400						
Current - 50Hz	Maximum fuse amps (MFA)		A	30	50	60		80		90

Outdoor unit module			RQEQ-P3	140P3	180P3	212P3
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765		
Weight	Unit		kg	175		179
Fan	Air flow rate	Cooling Nom.	m^3/min	95	110	
	Type			Propeller fan		
Sound power level	Cooling	Nom.	dBA	79	83	87
	Heating	According to ENER LOT21	dBA	79	84	
Sound pressure level	Cooling	Nom.	dBA	-		
Operation range	Cooling	Min.~Max.	°CDB	-5 ~43		
	Heating	Min.~Max.	°CWB	-20 ~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	10.3/21.5	10.6/22.1	11.2/23.4
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	22.5

Contains fluorinated greenhouse gases