

PROJECT VRF R410A FULL DC INVERTER

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XRV PLUS MINI Heat pump



HCYU 2006 XRV HCYU 2806 XRV
HCYU 2246 XRV HCYU 3356 XRV
HCYU 2606 XRV

Splitting and height difference lengths

Model	HCYU 2006 XRV	HCYU 2246 XRV	HCYU 2606 XRV	HCYU 2806 XRV	HCYU 3356 XRV
Maximum distance between O.U. and the farthest I.U.	110 m	110 m	110 m	110 m	110 m
Maximum distance from the first branch pipe to the farthest I.U.	40 m	40 m	40 m	40 m	40 m
Maximum height difference between O.U. (up high) and I.U.	50 m	50 m	50 m	50 m	50 m
Maximum height difference between O.U. (down low) and I.U.	40 m	40 m	40 m	40 m	40 m
Maximum height difference between I.U.	15 m	15 m	15 m	15 m	15 m
Maximum length of the pipes	150 m	150 m	150 m	150 m	150 m

All units are equipped with a high efficiency Full DC Inverter compressor.

DC Inverter motor fan:

- broader fan speed modulations;
- less noise.

Up to 20 indoor units connected to one compact outdoor unit.

Self-diagnosis function for main system problems.

Broad operating range:

- cooling -5° C ~ +48° C;
- heating -20° C ~ +24° C.

Auto-addressing of indoor units.

Model			HCYU 2006 XRV	HCYU 2246 XRV	HCYU 2606 XRV	HCYU 2806 XRV	HCYU 3356 XRV	
Power	HP		7	8	9	10	12	
Rated capacity ¹	Cooling	kW	20.00	22.40	26.00	28.00	33.50	
		Rated absorbed power	kW	5.28	6.77	10.04	12.02	15.30
		Energy efficiency coefficient (rated)	EER	3.79	3.31	2.59	2.33	2.19
Rated capacity ²	Heating	kW	20.00	22.40	26.00	28.00	33.50	
		Rated absorbed power	kW	4.43	5.42	6.86	7.55	10.15
		Energy performance coefficient (rated)	COP	4.51	4.13	3.79	3.71	3.30
Electrical data								
Power supply	Ph-V-Hz		3-380~415V50Hz					
Maximum current	A		19.00	19.00	20.50	21.00	26.40	
Refrigerant circuit / features								
Refrigerant (GWP)			R410A (2088)					
Quantity refrigerant pre-load (tons of CO2 equivalent)	Kg		6.5 (13.572)	6.5 (13.572)	6.5 (13.572)	6.5 (13.572)	8.0 (16.704)	
DC Inverter compressor	no. / type		1/ Rotary DC inverter			1/ Rotary DC inverter		
Pipe diameter	Liquid	Ø mm (inch)	9.53 (3/8")		9.53 (3/8")		12.7 (1/2")	
	Gas	Ø mm (inch)	19.1 (3/4")		22.2 (7/8")		25.4 (1")	
Product Specifications								
Dimensions	LxHxD	mm	1120x1558x528					
Net weight		Kg	143		144		157	
Sound pressure level at 1 m	max	dB(A)	58		59	60	61	
	max	dB(A)	78		78		81	
Fan air flow	max	m ³ /h	9000		10000	11000	11300	
Operating limits (outside temperature)	Cooling	°C	-5~48					
	Heating	°C	-20~24					
Max. connectable I.U.	no.		11	13	15	16	20	
Capacity of connected indoor units	%		50 - 130					

(1) Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° C WB.

(2) Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB.