

# PROJECT VRF R410A FULL DC INVERTER

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## XRV INDIVIDUAL Heat pump



HCYUM 6706 XRV-I  
HCYUM 7306 XRV-I  
HCYUM 7856 XRV-I

HCYUM 8506 XRV-I  
HCYUM 9006 XRV-I

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

DC Inverter motor fan:

- broader fan speed modulations;
- less noise.

Self-diagnosis function for main system problems.

Individual modules from 40 to 90 kW for simplified installation without the need for modular units.

Elegant, compact design.

### Splitting and height difference lengths

Model	HCYUM 6706 XRV-I	HCYUM 7306 XRV-I	HCYUM 7856 XRV-I	HCYUM 8506 XRV-I	HCYUM 9006 XRV-I
Maximum distance between O.U. and the farthest I.U.	200 m	200 m	200 m	200 m	200 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.	90 m	90 m	90 m	90 m	90 m
Maximum height difference between O.U. (down low) and I.U.	110 m	110 m	110 m	110 m	110 m
Maximum height difference between I.U.	30 m	30 m	30 m	30 m	30 m
<b>Maximum length of the pipes</b>	<b>1000 m</b>	<b>1000 m</b>	<b>1000 m</b>	<b>1000 m</b>	<b>1000 m</b>

Broad operating range:

- cooling -5° C ~ +48° C;
- heating -23° C ~ +24° C.

Auto-addressing of indoor units.

**Maximum number of connectable indoor units is 53.**

Model			HCYUM 6706 XRV-I	HCYUM 7306 XRV-I	HCYUM 7856 XRV-I	HCYUM 8506 XRV-I	HCYUM 9006 XRV-I	
Power	HP		24	26	28	30	32	
Rated capacity <sup>1</sup>	Cooling	kW	67.00	73.00	78.50	85.00	90.00	
		Rated absorbed power	kW	21.60	21.60	24.90	28.30	32.10
		Energy efficiency coefficient (rated)	EER	3.10	3.40	3.15	3.00	2.80
Rated capacity <sup>2</sup>	Heating	kW	67.00	73.00	78.50	85.00	90.00	
		Rated absorbed power	kW	16.80	18.10	21.80	24.30	26.50
		Energy performance coefficient (rated)	COP	4.00	4.05	3.60	3.50	3.40
<b>Electrical data</b>								
Power supply	Ph-V-Hz		3-380~415V50Hz					
Maximum current	A		41.40	39.80	43.80	50.00	52.00	
<b>Refrigerant circuit / features</b>								
Refrigerant (GWP)			R410A (2088)					
Quantity refrigerant pre-load (tons of CO2 equivalent)	Kg		22 (45.936)	22 (45.936)	22 (45.936)	25 (52.200)	25 (52.200)	
DC Inverter compressor	no. / type		2 / Scroll DC Inverter					
Pipe diameter	Liquid	Ø mm (inch)	19.1 (3/4")		22.2 (7/8")			
	Gas	Ø mm (inch)	31.8 (1 1/4)		38.1 (1 1/2)			
<b>Product specifications</b>								
Dimensions	LxHxD	mm	1730x1830x850					
Net weight		Kg	407	429	429	475	475	
Sound pressure level at 1 m	max	dB(A)	67		68			
		dB(A)	89		90			
Fan air flow	max	m <sup>3</sup> /h	25000	25000	25000	24000	24000	
		Operating limits (outside temperature)	Cooling	°C -5~48				
	Heating	°C -23~24						
Max. connectable I.U.	no.		39	43	46	50	53	
Capacity of connectable 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.