

PROJECT VRF R410A FULL DC INVERTER

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XRV INDIVIDUAL Heat pump



HCYUM 4006 XRV-I
HCYUM 4506 XRV-I
HCYUM 5006 XRV-I

HCYUM 5606 XRV-I
HCYUM 6156 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 4006 XRV-I	HCYUM 4506 XRV-I	HCYUM 5006 XRV-I	HCYUM 5606 XRV-I	HCYUM 6156 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
Maximum length of the pipes	1000 m	1000 m	1000 m	1000 m	1000 m

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 36.

Model			HCYUM 4006 XRV-I	HCYUM 4506 XRV-I	HCYUM 5006 XRV-I	HCYUM 5606 XRV-I	HCYUM 6156 XRV-I
Power	HP		14	16	18	20	22
Rated capacity ¹	Cooling	kW	40.00	45.00	50.00	56.00	61.50
Rated absorbed power		kW	11.00	12.90	14.70	16.00	20.20
Energy efficiency coefficient (rated)		EER	3.65	3.50	3.40	3.50	3.05
Rated capacity ²	Heating	kW	40.00	45.00	50.00	56.00	61.50
Rated absorbed power		kW	9.30	10.70	12.20	13.80	17.60
Energy performance coefficient (rated)		COP	4.30	4.20	4.10	4.05	3.50
Electrical data							
Power supply	Ph-V-Hz		3-380~415V50Hz				
Maximum current	A		25.80	25.80	26.20	35.00	37.00
Refrigerant circuit / features							
Refrigerant (GWP)			R410A (2088)				
Quantity refrigerant pre-load (tons of CO2 equivalent)	Kg		13 (27.144)	13 (27.144)	13 (27.144)	17 (35.496)	17 (35.496)
DC Inverter compressor	no. / type		1 / Scroll DC Inverter			2 / Scroll DC Inverter	
Pipe diameter	Liquid	Ø mm (inch)	15.9 (5/8")			19.1 (3/4")	
	Gas	Ø mm (inch)	31.8 (1"1/4)				
Product Specifications							
Dimensions	LxHxD	mm	1340x1635x850			1340x1635x825	
Net weight		Kg	277	277	295	344	344
Sound pressure level at 1 m	max	dB(A)	62	65			66
Sound power level	max	dB(A)	85	88			66
Fan air flow	max	m ³ /h	13000	13000	13000	17000	17000
Operating limits (outside temperature)	Cooling	°C	-5~-48				
	Heating	°C	-23~-24				
Max. connectable I.U.	no.		23	26	29	33	36
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.