

PROJECT VRF R410A FULL DC INVERTER

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XRV PREMIUM MODULAR Heat pump - 2 pipes



FULL DC INVERTER

HCSU 2525 XRV-P
HCSU 2805 XRV-P
HCSU 3355 XRV-P

FULL DC INVERTER

HCSU 4005 XRV-P
HCSU 4505 XRV-P
HCSU 5005 XRV-P
HCSU 5605 XRV-P
HCSU 6155 XRV-P

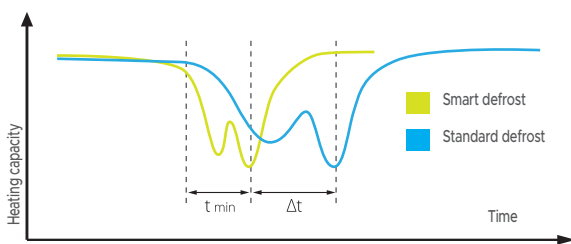
The range is characterised by 8 basic modules: 8, 10, 12, 14, 16, 18, 20 and 22HP. Wide range of available power: from 25.2 to 246.0 kW.

Fan design with the sharp-edged blade reduces airflow resistance. The outdoor units and the exchangers inside them are made with anti-corrosive treatments.

- COP values up to 5.09 (mod. 8HP)
- EER values up to 4.03 (mod. 8HP)

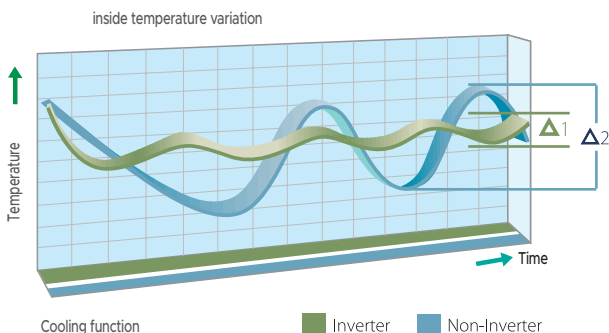
Smart defrost

Smart defrost technology calculates the time required for defrosting based on the current system conditions, eliminating heat losses from unnecessary defrosting. A special defrost valve reduces the time required for defrosting to a minimum of four minutes.

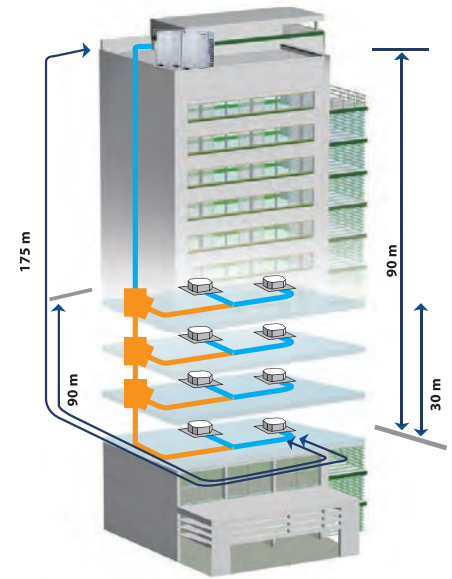


Fast cooling and heating

The DC Inverter compressor quickly reaches full capacity, ensuring faster cooling and heating with lower temperature variation during cooling/heating operations.



Splitting and height difference lengths



The XRV PREMIUM Modular series can connect up to 64 indoor units. Total length of system piping: 1000 m

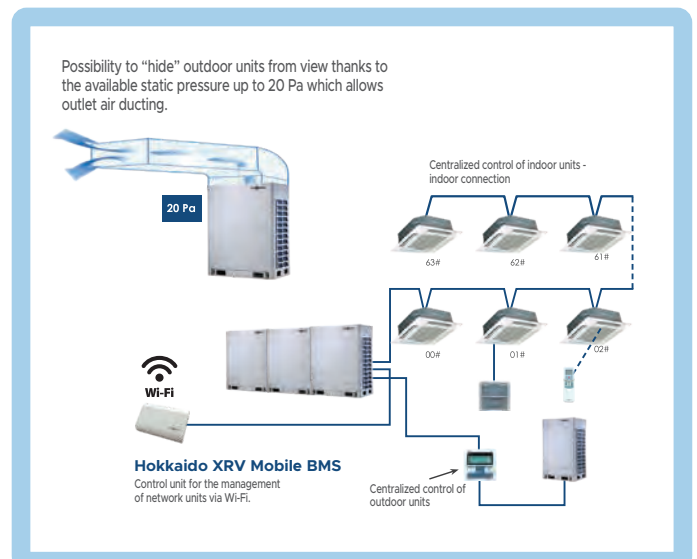
Maximum distance between O.U. and the farthest I.U. = 175 m (equivalent 200 m)

- Maximum distance from the first branch pipe to the farthest I.U. = 90 m
- Maximum height difference between O.U. (up high) and I.U. = 90 m
- Maximum height difference between O.U. (down low) and I.U. = 110 m
- Maximum height difference between I.U. = 30 m

Installation and operation

- Wide range of external operating temperatures: heating - 20° C / 24° C; cooling - 5° C / 43° C.
- Intelligent operating logic in modular combination with rotation and distribution of operating hours between the O.U.
- Backup function in modular combination.
- Silent operation and auto-addressing of the O.U.

Network wiring diagram



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Model / Combination			HCSU 2525 XRV-P	HCSU 2805 XRV-P	HCSU 3355 XRV-P	HCSU 4005 XRV-P	HCSU 4505 XRV-P	HCSU 5005 XRV-P	HCSU 5605 XRV-P
Power		HP	8	10	12	14	16	18	20
Rated capacity (1)	Cooling	kW	25.20	28.00	33.50	40.00	45.00	50.00	56.00
Rated absorbed power		kW	6.25	7.49	8.91	11.66	13.64	14.71	16.47
Rated energy efficiency coefficient		EER	4.03	3.74	3.76	3.43	3.30	3.40	3.40
Seasonal energy efficiency (ηs,c)		%	211.4	211	199	194.6	192.6	194.6	194.2
Rated capacity (2)	Heating	kW	27.00	31.50	37.50	40.00	45.00	50.00	56.00
Rated absorbed power		kW	5.30	6.89	8.91	9.83	11.69	12.50	14.00
Rated energy performance coefficient		COP	5.09	4.57	4.21	4.07	3.85	4.00	4.00
Seasonal energy efficiency (ηs,c) average		%	133.8	133.8	133.4	135.4	135.4	133.8	133
Electrical data									
Power supply	Ph-V-Hz		3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
Maximum current	A		20.00	21.00	23.00	27.30	29.90	34.40	41.20
Refrigerant circuit / features									
Refrigerant	type (GWP)		R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
Quantity refrigerant pre-load (tons of CO2 equivalent)(3)	Kg (t)		9 (18.792)	9 (18.792)	11 (22.968)	13 (27.144)	13 (27.144)	13 (27.144)	16 (33.408)
DC Inverter compressor	no. / type		1/Scroll DC Inverter	1/Scroll DC Inverter	1/Scroll DC Inverter	2/Scroll DC Inverter	2/Scroll DC Inverter	2/Scroll DC Inverter	2/Scroll DC Inverter
Diameter refrigerant pipes(4)	Liquid	Ø mm (inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
	Gas		25.4 (1")	25.4 (1")	25.4 (1")	31.8 (1 1/4")	31.8 (1 1/4")	31.8 (1 1/4")	31.8 (1 1/4")
	Parallel oil		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Max pipe length	m		1000	1000	1000	1000	1000	1000	1000
Max height difference between indoor units	m		30	30	30	30	30	30	30
Max height difference between outdoor and indoor units	up-down OU	m	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110
Product Specifications									
Dimensions (5)	LxHxD	mm	990x1635x790	990x1635x790	990x1635x790	1340x1635x790	1340x1635x790	1340x1635x790	1340x1635x790
Net weight	Kg		219	219	237	297	297	305	340
Sound pressure level at 1 m	max	dB(A)	59	63	62	66	66	66	66
Sound power level	max	dB(A)	79	83	82	88	88	88	88
Fan air flow	max	m³/h	12000	12000	12000	14000	14000	14000	16000
Operating limit (outside temperature)	Cooling	°C / DB	-5 / 43	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Heating	°C / WB	-20 / 24	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C
Max. connectable IU	no.		13	16	20	23	26	29	33
Capacity of connectable indoor units	%		50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130

Model / Combination			HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 3355 XRV-P HCSU 3355 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 4505 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 5005 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 5605 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 3355 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P
Power		HP	44 (22+22)	46 (12+12+22)	48 (10+16+22)	50 (10+18+22)	52 (10+20+22)	54 (10+22+22)	56 (12+22+22)
Rated capacity (1)	Cooling	kW	123.00	128.50	134.50	139.50	145.50	151.00	156.50
Rated absorbed power		kW	39.68	37.66	40.97	42.04	43.80	47.17	48.59
Rated energy efficiency coefficient		EER	3.10	3.41	3.28	3.32	3.32	3.20	3.22
Seasonal energy efficiency (ηs,c)		%	187.8	199	197.1	197.8	197.7	195.5	191.5
Rated capacity (2)	Heating	kW	123.00	136.50	138.00	143.00	149.00	154.50	160.50
Rated absorbed power		kW	32.36	34.00	34.76	35.57	37.07	39.25	41.27
Rated energy performance coefficient		COP	3.80	4.01	3.97	4.02	4.02	3.94	3.89
Seasonal energy efficiency (ηs,c) average		%	133	133.4	134.1	133.5	133.3	133.3	133.1
Electrical data									
Power supply	Ph-V-Hz		3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
Maximum current	A		89.80	90.90	95.80	100.30	107.10	110.80	112.80
Refrigerant circuit / features									
Refrigerant	type (GWP)		R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
Quantity refrigerant pre-load (tons of CO2 equivalent)(3)	Kg (t)		32 (66.816)	38 (79.344)	38 (79.344)	38 (79.344)	41 (85.608)	41 (85.608)	43 (89.784)
DC Inverter compressor	no. / type		4/Scroll DC Inverter	4/Scroll DC Inverter	5/Scroll DC Inverter	5/Scroll DC Inverter	5/Scroll DC Inverter	5/Scroll DC Inverter	5/Scroll DC Inverter
Diameter refrigerant pipes(4)	Liquid	Ø mm (inch)	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")
	Gas		38.1 (1 1/2")	38.1 (1 1/2")	38.1 (1 1/2")	38.1 (1 1/2")	41.3 (1 5/8")	41.3 (1 5/8")	41.3 (1 5/8")
	Parallel oil		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Max pipe length	m		1000	1000	1000	1000	1000	1000	
Max height difference between indoor units	m		30	30	30	30	30	30	
Max height difference between outdoor and indoor units	up-down OU	m	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	
Product Specifications									
Dimensions (5)	LxHxD	mm	2780x1635x790	3520x1635x790	3870x1635x790	3870x1635x790	3870x1635x790	3870x1635x790	3870x1635x790
Net weight	Kg		680	814	856	864	899	899	917
Sound pressure level at 1 m	max	dB(A)	69	69	70	70	70	70	70
Sound power level	max	dB(A)	91	90	92	92	92	92	92
Fan air flow	max	m³/h	32000	40000	42000	44000	44000	44000	44000
Operating limit (outside temperature)	Cooling	°C / DB	-5 / 43	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Heating	°C / WB	-20 / 24	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C
Max. connectable I.U.	no.		64	64	64	64	64	64	64
Capacity of connectable indoor units	%		50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	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.
 (3) Refer to the label inside the unit to calculate the additional refrigerant charge.
 (4) When several outdoor units are paired the diameters indicated refer to the section up to the first branch, with a length equivalent or less than 90m.
 (5) Space between the paired units = 100 mm.

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22	24 (12+12)	26 (10+16)	28 (10+18)	30 (10+20)	32 (10+22)	34 (12+22)	36 (18+18)	38 (16+22)	40 (18+22)	42 (20+22)
61.50	67.00	73.00	78.00	84.00	89.50	95.00	100.00	106.50	111.50	117.50
19.84	17.82	21.13	22.20	23.96	27.33	28.75	29.42	33.48	34.55	36.31
3.10	3.76	3.45	3.51	3.51	3.27	3.30	3.40	3.18	3.23	3.24
187.8	199	201.8	202.8	202.6	199.4	193.4	194.6	190.2	191.2	191
61.50	75.00	76.50	81.50	87.50	93.00	99.00	100.00	106.50	111.50	117.50
16.18	17.82	18.58	19.39	20.89	23.07	25.09	25.00	27.87	28.68	30.18
3.80	4.21	4.12	4.20	4.19	4.03	3.95	4.00	3.82	3.89	3.89
133	133.4	134.6	133.8	133.4	133.4	133.2	133.8	134.2	133.4	133

3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
44.90	46.00	50.90	55.40	62.20	65.90	67.90	68.80	74.80	79.30	86.10

R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
16 (33.408)	22 (45.936)	22 (45.936)	23 (48.024)	25 (52.200)	25 (52.200)	27 (56.376)	26 (54.288)	29 (60.552)	29 (60.552)	32 (66.816)
2/Scroll DC Inverter	2/Scroll DC Inverter	3/Scroll DC Inverter	3/Scroll DC Inverter	3/Scroll DC Inverter	3/Scroll DC Inverter	3/Scroll DC Inverter	4/Scroll DC Inverter	4/Scroll DC Inverter	4/Scroll DC Inverter	4/Scroll DC Inverter
15.9 (5/8")	15.9 (5/8")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")
31.8 (1"1/4)	28.6 (1"1/8)	31.8 (1"1/4")	31.8 (1"1/4")	31.8 (1"1/4")	31.8 (1"1/4")	31.8 (1"1/4")	38.1 (1"1/2")	38.1 (1"1/2")	38.1 (1"1/2")	38.1 (1"1/2")
6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
30	30	30	30	30	30	30	30	30	30	30
90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110

1340x1635x790	2080x1635x790	2430x1635x790	2430x1635x790	2430x1635x790	2430x1635x790	2430x1635x790	2430x1635x790	2780x1635x790	2780x1635x790	2780x1635x790	2780x1635x790
340	474	516	524	559	559	577	610	637	645	680	680
66	65	68	68	68	68	67	69	69	69	69	69
88	85	89	89	89	89	89	91	91	91	91	91
16000	24000	26000	28000	28000	28000	28000	32000	30000	32000	32000	32000
-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C
36	39	43	46	50	53	56	59	63	64	64	64
50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130

HCSU 5005 XRV-P HCSU 5005 XRV-P HCSU 6155 XRV-P	HCSU 4505 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 5005 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 5605 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 6155 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 3355 XRV-P HCSU 3355 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 4505 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 5005 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 5605 XRV-P HCSU 6155 XRV-P	HCSU 2805 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 3355 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P
58 (18+18+22)	60 (16+22+22)	62 (18+22+22)	64 (20+22+22)	66 (22+22+22)	68 (12+12+22+22)	70 (10+16+22+22)	72 (10+18+22+22)	74 (10+20+22+22)	76 (10+22+22+22)	78 (12+22+22+22)
161.50	168.00	173.00	179.00	184.50	190.00	196.00	201.00	207.00	212.50	218.00
49.26	53.32	54.39	56.15	59.52	57.50	60.81	61.88	63.64	67.01	68.43
3.28	3.15	3.18	3.19	3.10	3.30	3.22	3.25	3.25	3.17	3.19
192.3	189.4	190.1	189.9	187.8	193.4	194.8	195.3	195.2	193.6	190.6
161.50	168.00	173.00	179.00	184.50	198.00	199.50	204.50	210.50	216.50	222.00
41.18	44.05	44.86	46.36	48.54	50.18	50.94	51.75	53.25	55.43	57.45
3.92	3.81	3.86	3.86	3.80	3.95	3.92	3.95	3.95	3.90	3.86
133.5	133.8	133.3	133	133	133.2	133.8	133.4	133.2	133.2	133.1

3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
113.70	119.70	124.20	131.00	134.70	135.80	140.70	145.20	152.00	155.70	157.70

R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
42 (87.696)	45 (93.960)	45 (93.960)	48 (100.224)	48 (100.224)	54 (112.752)	54 (112.752)	54 (112.752)	57 (119.016)	57 (119.016)	59 (123.192)
6/Scroll DC Inverter	6/Scroll DC Inverter	6/Scroll DC Inverter	6/Scroll DC Inverter	6/Scroll DC Inverter	6/Scroll DC Inverter	7/Scroll DC Inverter	7/Scroll DC Inverter	7/Scroll DC Inverter	7/Scroll DC Inverter	7/Scroll DC Inverter
22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	25.4 (1")	25.4 (1")	25.4 (1")	25.4 (1")	25.4 (1")	25.4 (1")
41.3 (1"5/8")	41.3 (1"5/8")	41.3 (1"5/8")	41.3 (1"5/8")	41.3 (1"5/8")	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")
6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
30	30	30	30	30	30	30	30	30	30	30
90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110

4220x1635x790	4220x1635x790	4220x1635x790	4220x1635x790	4220x1635x790	4960x1635x790	5310x1635x790	5310x1635x790	5310x1635x790	5310x1635x790	5310x1635x790
950	977	985	1020	1020	1154	1196	1204	1239	1239	1257
71	71	71	71	71	70	71	71	71	71	71
93	93	93	93	93	92	93	93	93	93	93
48000	46000	48000	48000	48000	56000	58000	60000	60000	60000	60000
-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C
64	64	64	64	64	64	64	64	64	64	64
50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130	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° 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.
 (3) Refer to the label inside the unit to calculate the additional refrigerant charge.
 (4) When several outdoor units are paired the diameters indicated refer to the section up to the first branch, with a length equivalent or less than 90m.
 (5) Space between the paired units = 100 mm.

PROJECT VRF R410A FULL DC INVERTER

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XRV PREMIUM MODULAR Heat pump - 2 pipes



Model / Combination			HCSU 5005 XRV-P HCSU 5005 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 4505 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 5005 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 5605 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	HCSU 6155 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P HCSU 6155 XRV-P	
Power		HP	80 (18+18+22+22)	82 (16+22+22+22)	84 (18+22+22+22)	86 (20+22+22+22)	88 (22+22+22+22)	
Rated capacity (1)	Cooling	kW	223.00	229.50	234.50	240.50	246.00	
		Rated absorbed power	69.10	73.16	74.23	75.99	79.36	
		Rated energy efficiency coefficient	3.23	3.14	3.16	3.16	3.10	
		Seasonal energy efficiency (η _{s,c})	%	191.2	189	189.5	189.4	187.8
Rated capacity (2)	Heating	kW	223.00	229.50	234.50	240.50	246.00	
		Rated absorbed power	57.36	60.23	61.04	62.54	64.72	
		Rated energy performance coefficient	COP	3.89	3.81	3.84	3.85	3.80
		Seasonal energy efficiency (η _{s,c}) average	%	133.4	133.6	133.2	133	133
Electrical data								
Power supply		Ph-V-Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	
Maximum current		A	158.60	164.60	169.10	175.90	179.60	
Refrigerant circuit / features								
Refrigerant		type (GWP)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	
Quantity refrigerant pre-load (tons of CO ₂ equivalent) ⁽³⁾		Kg (t)	58 (121.104)	61 (127.368)	61 (127.368)	64 (133.632)	64 (133.632)	
DC Inverter compressor		no. / type	8/Scroll DC Inverter	8/Scroll DC Inverter	8/Scroll DC Inverter	8/Scroll DC Inverter	8/Scroll DC Inverter	
Diameter refrigerant pipes ⁽⁴⁾	Liquid	Ø mm (inch)	25.4 (1")	25.4 (1")	25.4 (1")	25.4 (1")	25.4 (1")	
	Gas	Ø mm (inch)	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")	44.5 (1"3/4")	
	Parallel oil	Ø mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	
Max pipe length		m	1000	1000	1000	1000	1000	
Max height difference between indoor units		m	30	30	30	30	30	
Max height difference between outdoor and indoor units up-down OU		m	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	
Product specifications								
Dimensions ⁽⁵⁾		LxHxD	mm	5660x1635x790	5660x1635x790	5660x1635x790	5660x1635x790	
Net weight		Kg	1290	1317	1325	1360	1360	
Sound pressure level at 1 m	max	dB(A)	72	72	72	72	72	
	Sound power level	max	dB(A)	94	94	94	94	
Fan air flow		max	m ³ /h	64000	62000	64000	64000	
Operating limit (outside temperature)	Cooling	°C / DB	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	
	Heating	°C / WB	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	
Max. connectable I.U.		no.	64	64	64	64	64	
Capacity of connectable indoor units		%	50 - 130	50 - 130	50 - 130	50 - 130	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° 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.

(3) Refer to the label inside the unit to calculate the additional refrigerant charge.

(4) When several outdoor units are paired the diameters indicated refer to the section up to the first branch, with a length equivalent or less than 90m.

(5) Space between the paired units = 100 mm.