

HIGH PERFORMANCE 1:1 VRF SYSTEMS



- SINGLE FAN CDU FOR 11.2kW ~ 15.5kW MODELS
- ROBUST AND DURABLE DESIGN WITH BLUE FIN COATED COILS.
- FLEXIBLE 9.52MM / 15.88MM REFRIGERANT PIPING [3/8 - 5/8] (11.2KW ~ 15.5kW)
- HIGH STATIC, LOWER (280MM HIGH) PROFILE FANCOIL UNITS (11.2KW ~ 16.0kW)
- ADJUSTABLE HIGH ESP UP TO 200 PA.
- QUIETER OPERATION ON BOTH INDOOR AND OUTDOOR UNITS
- 11.2kW~16.0kW FANCOIL EQUIPPED WITH DRAIN PUMP
- FULLY COMPATIBLE WITH ALL MHIAA CONTROL SYSTEMS.

SUPERIOR TECHNOLOGY THAT
OUTLASTS AND OUTPERFORMS



AIR CONDITIONING

SYSTEM COMPARISON: 12.5KW

CAPACITY			12.5kW	11.2kW
SET			FDU125AVNXVF	KX 1:1
INDOOR			FDU125VF	FDU112KXE6F
OUTDOOR			FDCA125VNX	FDC112KXEN6
POWER SUPPLY	Outdoor Unit		1 Phase 230V 50Hz	1 Phase 220-240V 50Hz
CAPACITY	Cooling T1	kW	12.5 (5.0-14.0)	11.2
	Heating H1	kW	14.0 (4.0-17.0)	12.5
INPUT	Cooling T1	kW	3.83	2.8
	Heating H1	kW	3.68	2.89
EER	Cooling T1		3.26	4
COP	Heating H1		3.8	4.32
SOUND PRESSURE LEVEL (JS C9612)	Indoor		P-Hi:45 Hi:43 Me:41 Lo:37	P-Hi:44 Hi:38 Me:36 Lo:30
	Outdoor		48	52
SOUND POWER LEVEL (JS C9612)	Outdoor		70	67
AIRFLOW	Indoor	l/s	P-Hi:717 Hi:650 Me:600 Lo:500	P-Hi:600 Hi:467 Me:417 Lo:317
EXTERNAL STATIC PRESSURE		Ps	200	200
EXTERNAL DIMENSIONS (HXWXD)	Indoor	mm	398x1150x650	280 x 1370 x 740
	Outdoor	mm	1300x970x370	845 x 970 x 370
NET WEIGHT	Indoor	kg	52	54
	Outdoor	kg	105	85
REFRIGERANT PIPING	Liquid Line	mm	Ø9.52	Ø9.52
	Gas Line	mm	Ø15.88	Ø15.88
	Connection Method		Flare Connection	Flare Connection
REFRIGERANT R410A	Quantity	kg	4.5	5
	Pre Charged To Pipe Length	m	30	30
MAXIMUM PIPE LENGTH		m	100	50
SUPPLY AIR CONNECTION		mm	348x898	170x1200
RETURN AIR CONNECTION		mm	348x898	235x1280
CONTROLLER			Wired: RC-E5, RC-EX3 Wireless: RCN-KIT4-E2	Wired:RC-EX1, RC-E5, RCH-E3 Wireless: RCN-KIT3-E
SAFETY PAN			UA-SP2-E (Optional)	N/A

FOR COMPARISON ONLY. DOES NOT REPLACE OR OVERRIDE TECH MANUALS

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AIR CONDITIONING

SYSTEM COMPARISON: 14KW

CAPACITY			14kW	14kW
SET			FDUA140AVNXVF	KX 1:1
INDOOR			FDUA140VF	FDU140KXE6F
OUTDOOR			FDCA140VNX	FDC140KXEN6
POWER SUPPLY	Outdoor Unit		1 Phase 230V 50Hz	1 Phase 220-240V 50Hz
CAPACITY	Cooling T1	kW	14.0 (5.0-14.5)	14
	Heating H1	kW	16.0 (4.0-18.0)	16
INPUT	Cooling T1	kW	4.44	4.17
	Heating H1	kW	4.41	4.31
EER	Cooling T1		3.15	3.35
COP	Heating H1		3.63	3.71
SOUND PRESSURE LEVEL (JS C9612)	Indoor		P-Hi:47 Hi:46 Me:43 Lo:40	P-Hi:45 Hi: 40 Me:34 Lo:29
	Outdoor		49	53
SOUND POWER LEVEL (JS C9612)	Outdoor		72	67
AIRFLOW	Indoor	l/s	P-Hi:850 Hi:800 Me:700 Lo:600	P-Hi:650 Hi:534 Me:434 Lo:334
EXTERNAL STATIC PRESSURE		Ps	200	200
EXTERNAL DIMENSIONS (HXWXD)	Indoor	mm	398x1150x650	280 x 1370 x 740
	Outdoor	mm	1300x970x370	845 x 970 x 370
NET WEIGHT	Indoor	kg	52	54
	Outdoor	kg	105	85
REFRIGERANT PIPING	Liquid Line	mm	Ø9.52	Ø9.52
	Gas Line	mm	Ø15.88	Ø15.88
	Connection Method	mm	Flare Connection	Flare Connection
REFRIGERANT R410A	Quantity	kg	4.5	5
	Pre Charged To Pipe Length	m	30	30
MAXIMUM PIPE LENGTH		m	100	50
SUPPLY AIR CONNECTION		mm	348x898	170x1200
RETURN AIR CONNECTION		mm	348x898	235x1280
CONTROLLER			Wired: RC-E5, RC-EX3 Wireless: RCN-KIT4-E2	Wired:RC-EX1, RC-E5, RCH-E3 Wireless: RCN-KIT3-E
SAFETY PAN			UA-SP2-E (Optional)	N/A

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AIR CONDITIONING

SYSTEM COMPARISON: 16KW

CAPACITY			16 kW	15.5kW
SET			FDU160AVSAVF	Kx
INDOOR			FDU160VF	FDU160KXE6F
OUTDOOR			FDCA160VSA	FDC155KXEN6
POWER SUPPLY	Outdoor Unit		3 Phase 415V 50Hz	1 Phase 220-240V 50Hz
CAPACITY	Cooling T1	kW	16.0 (6.9-20.0)	15.5
	Heating H1	kW	18.0 (5.5-22.4)	16.3
INPUT	Cooling T1	kW	4.83	4.71
	Heating H1	kW	4.66	4.38
EER	Cooling T1		3.31	3.29
COP	Heating H1		3.86	3.72
SOUND PRESSURE LEVEL (JS C9612)	Indoor		P-Hi:49 Hi:48 Me:45 Lo:42	P-Hi:47 Hi:40 Me:35 Lo:30
	Outdoor		59	53
SOUND POWER LEVEL (JS C9612)	Outdoor		73	67
AIRFLOW	Indoor	l/s	P-Hi:850 Hi:800 Me:700 Lo:600	P-Hi:800 Hi:583 Me:467 Lo:367
EXTERNAL STATIC PRESSURE		Ps	200	200
EXTERNAL DIMENSIONS (HXWXD)	Indoor	mm	398x1150x650	280 x 1370 x 740
	Outdoor	mm	1505x970x370	845 x 970 x 370
NET WEIGHT	Indoor	kg	52	54
	Outdoor	kg	143	82
REFRIGERANT PIPING	Liquid Line	mm	Ø12.7	Ø9.52
	Gas Line	mm	Ø22.22 , Ø25.4 or Ø28.58*	Ø15.88
	Connection Method		Liquid: Flare / Gas: Brazing	Flare Connection
REFRIGERANT R410A	Quantity	kg	7.2	5
	Pre Charged To Pipe Length	m	30	30
MAXIMUM PIPE LENGTH		m	70*	50
SUPPLY AIR CONNECTION		mm	348x898	170x1200
RETURN AIR CONNECTION		mm	348x898	235x1280
CONTROLLER			Wired: RC-E5, RC-EX3 Wireless: RCN-KIT4-E2	Wired:RC-EX1, RC-E5, RCH-E3 Wireless: RCN-KIT3-E
SAFETY PAN			UA-SP2-E (Optional)	N/A

*Max 70m (Ø25.4 or Ø28.58), Max 35m (Ø22.22)

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AIR CONDITIONING

SYSTEM COMPARISON: 20KW

CAPACITY			20kW	22.4kW
SET			FDUA200AVSAVG	KX 1:1
INDOOR			FDUA200VG	FDU224KXZE1
OUTDOOR			FDCA200VSA	FDC224KXZPE1
POWER SUPPLY	Outdoor Unit		3 Phase 415V 50Hz	3 Phase 380-415V, 50Hz (outdoor), 220-240V 1 Phase 50/60 Hz (Indoor)
CAPACITY	Cooling T1	kW	20.0 (6.9-28.0)	22.4
	Heating H1	kW	22.4(5.5-31.5)	22.4
INPUT	Cooling T1	kW	6.03	5.6
	Heating H1	kW	5.5	6.03
EER	Cooling T1		3.32	4
COP	Heating H1		4.07	3.71
SOUND PRESSURE LEVEL (JS C9612)	Indoor		P-Hi:52 Hi:50 Me:47 Lo:45	P-Hi:52 Hi:50 Me:47 Lo: 45
	Outdoor		59	59
SOUND POWER LEVEL (JS C9612)	Outdoor		73	N/A
AIRFLOW	Indoor	l/s	P-Hi:1333 Hi:1200 Me:1067 Lo:933	P-Hi:1333 Hi:1200 Me:1067 Lo:933
EXTERNAL STATIC PRESSURE		Ps	200	200
EXTERNAL DIMENSIONS (HXWXD)	Indoor	mm	379x1600x893	379 x 1600 x 893
	Outdoor	mm	1505x970x370	1505 x 970 x 370
NET WEIGHT	Indoor	kg	89	89
	Outdoor	kg	143	165
REFRIGERANT PIPING	Liquid Line	mm	Ø12.7	Ø9.52
	Gas Line	mm	Ø22.22 , Ø25.4 or Ø28.58*	Ø19.05
	Connection Method		Liquid: Flare / Gas: Brazing	Liquid: Flare / Gas: Brazing
REFRIGERANT R410A	Quantity	kg	7.2	8.9
	Pre Charged To Pipe Length	m	30	Requires add. Refrig charge
MAXIMUM PIPE LENGTH		m	70*	90
SUPPLY AIR CONNECTION		mm	250x1450	250x1450
RETURN AIR CONNECTION		mm	250x1450	250x1450
CONTROLLER			Wired: RC-E5, RC-EX3 Wireless: RCN-KIT4-E2	Wired:RC-EX1, RC-E5, RCH-E3 Wireless: RCN-KIT3-E
SAFETY PAN			NA	N/A

*Max 70m (Ø25.4 or Ø28.58), Max 35m (Ø22.22)

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AIR CONDITIONING

SYSTEM COMPARISON: 28KW

CAPACITY			28kW
SET			KX 1:1
INDOOR			FDU280KXZE1
OUTDOOR			FDC280KXZPE1
POWER SUPPLY	Outdoor Unit		3 Phase w380-415V 50Hz (Outdoor), 1 Phase 220-240V 50/60 Hz (Indoor)
CAPACITY	Cooling T1	kW	28
	Heating H1	kW	28
INPUT	Cooling T1	kW	7.87
	Heating H1	kW	6.47
EER	Cooling T1		3.56
COP	Heating H1		4.33
SOUND PRESSURE LEVEL (JS C9612)	Indoor		P-Hi:52 Hi:50 Me:47 Lo: 45
	Outdoor		60
SOUND POWER LEVEL (JS C9612)	Outdoor		N/A
AIRFLOW	Indoor	l/s	P-Hi:1333 Hi:1200 Me:1067 Lo:933
EXTERNAL STATIC PRESSURE		Ps	200
EXTERNAL DIMENSIONS (HXWXD)	Indoor	mm	379 x 1600 x 893
	Outdoor	mm	1505 x 970 x 370
NET WEIGHT	Indoor	kg	89
	Outdoor	kg	165
REFRIGERANT PIPING	Liquid Line	mm	Ø9.52
	Gas Line	mm	Ø22.22
	Connection Method		Liquid: Flare / Gas: Brazing
REFRIGERANT R410A	Quantity	kg	8.9
	Pre Charged To Pipe Length	m	Requires add. Refrig charge
MAXIMUM PIPE LENGTH		m	90
SUPPLY AIR CONNECTION		mm	250x1450
RETURN AIR CONNECTION		mm	250x1450
CONTROLLER			Remote control switch RC-E5, RC-EX1
SAFETY PAN			N/A

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