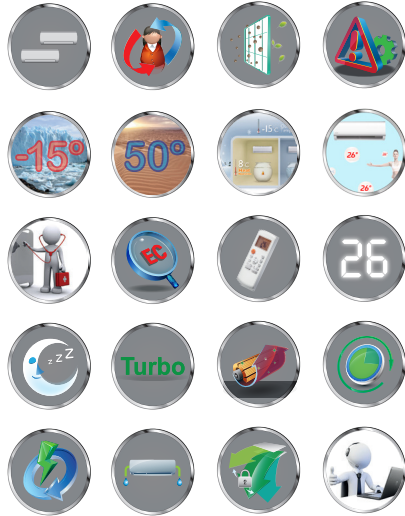


# CVR (VRF) SERIES- INDOOR UNITS

## CVR (VRF) - HI-WALL INDOOR UNITS

### Features



### OPTIONAL



Indoor unit code			CVR-D22G	CVR-D28G	CVR-D36G	CVR-D45G	CVR-D56G	CVR-D71G
Power supply		F-V-Hz	Monophase 220-240V 50Hz					
Refrigeration	Capacity	KW (Nom)	2.2	2.8	3.6	4.5	5.6	7.1
Heating	Capacity	KW (Nom)	2.5	3.2	4.0	5.0	6.3	8.0
Indoor unit	Electric power	W	15	15	18	20	23	35
	Dimensions (L-P-A)	mm	864x300x200	864x300x200	864x300x200	972x320x215	972x320x215	972x320x215
	Net weight/with packaging	Kg	9.5 / 12	9.5 / 12	9.5 / 12	11.5 / 14	11.5 / 14	11.5 / 14
	Air flow (Min-Med-Max)	m <sup>3</sup> /h	350 / 360 / 380 / 450		380 / 415 / 440 / 500	525 / 565 / 610 / 655	560 / 580 / 645 / 720	645 / 720 / 805 / 890
	Sound power	dB(A)	24 / 33	24 / 33	27 / 36	29 / 38	32 / 42	35 / 43
Installation Requirements	Liquid line	Ø inches (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)
	Gas line	Ø inches (mm)	3/8" (9.52)	3/8" (9.52)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	5/8" (15.88)
	Condensate drainage	mm	20 Ø	20 Ø	20 Ø	20 Ø	20 Ø	20 Ø
	Indoor units interconnection	N°cables/section	0.75 * 2 mm (shield)					
Operating limits	Working range	°C	16 / 32	16 / 32	16 / 32	16 / 32	16 / 32	16 / 32

The nominal cooling capacity is based on the following conditions:  
 Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.  
 Equivalent Pipe Length: 8m horizontal.

The nominal heating capacity is based on the following conditions:  
 Outdoor temperature: 7°C Dry bulb, 6°C Wet bulb. Return air temperature: 20°C Dry bulb.  
 Equivalent Pipe Length: 8m horizontal.  
 Sound power: In semi anechoic room, 1 m distance of the unit.

# CVR (VRF) SERIES : INDOOR UNITS

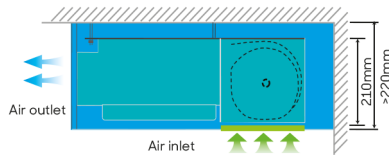
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## CVR (VRF) - DUCT INDOOR UNITS

### Features



### Easy installation super slim



Wired control  
included



Optional centralized  
control



Indoor unit code			CVR-V22TA	CVR-V28TA	CVR-V36TA	CVR-V56TA	CVR-V71TA
Power supply		F-V-Hz	Monophase 220-240V 50Hz				
Refrigeration	Capacity	KW (Nom)	2.2	2.8	3.6	5.6	7.1
Heating	Capacity	KW (Nom)	2.5	3.2	4	6.3	8
Indoor unit	Dimensions (L-P-A)	mm	814x467x210	814x467x210	814x467x210	1010x467x210	1214x467x210
	Net weight	Kg	16	16	16.5	21	25.5
	Dimensions with packaging	mm	910x510x240	910x510x240	910x510x240	1110x510x240	1310x510x240
	Weight with packaging	Kg	18.5	18.5	19	24	28.5
	Air flow	m <sup>3</sup> /h	450	450	550	800	1000
	Sound power	dB(A)	24 - 29	24 - 29	25 - 32	28 - 38	30 - 39
Installation Requierments	Liquid line	Øinches(mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)
	Gas line	Øinches(mm)	3/8" (9.52)	3/8" (9.52)	1/2" (12.7)	1/2" (12.7)	5/8" (15.88)
	Condensate drainag	mm	25 Ø	25 Ø	25 Ø	25 Ø	25 Ø
	Indoor-outdoor interconnection	N°cables/sec- tion* shield	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm
Operating limits	Working range	°C	16 / 32	16 / 32	16 / 32	16 / 32	16 / 32
	Indoor temperature (Min- Max)	Refrig. °C	17 / 32	17 / 32	17 / 32	17 / 32	17 / 32
		Heat. °C B.S.	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30

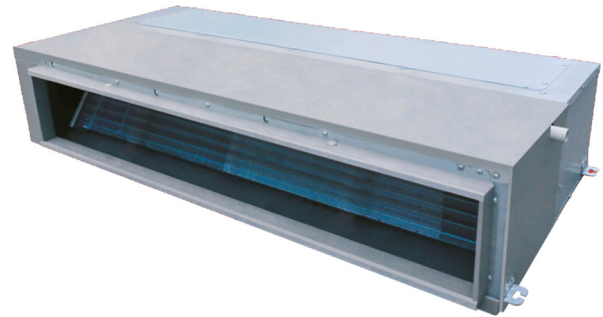
The nominal cooling capacity is based on the following conditions:  
 Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.  
 Equivalent pipe length: 8m horizontal.  
 The nominal heating capacity is based on the following conditions:  
 Outdoor temperature: 7°C Dry bulb, 6°C Wet bulb. Return air temperature: 20°C Dry bulb.  
 Equivalent pipe length: 8m horizontal.  
 Sound power: In semi anechoic room 1 m distance of the unit.  
 \* shield wire.

# CVR (VRF) SERIES : INDOOR UNITS

## CVR (VRF) - DUCT INDOOR UNITS

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### Features



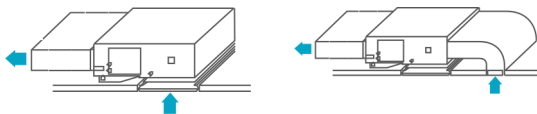
Wired control included



Optional centralized control



### Air return



Indoor unit code			CVR-V80TB	CVR-V90TB	CVR-V100TB	CVR-V120TB	CVR-V150TB
Power supply		F-V-Hz	Monophase 220-240V 50Hz				
Refrigeration	Capacity	KW (Nom)	8	9	10	12	15
Heating	Capacity	KW (Nom)	9	10	11	13	17
Indoor unit	Dimensions (L-P-A)	mm	1209x680x260	1445x680x260	1445x680x260	1445x680x260	1445x680x260
	Net weight	Kg	33	46	46	46	46
	Dimensions with packaging	mm	1255x720x325	1490x720x325	1490x720x325	1490x720x325	1490x720x325
	Weight with packaging	Kg	37	50	50	50	50
	Air flow	m <sup>3</sup> /h	1220	1850	2000	2000	2000
	Sound power	dB(A)	36 - 41	38 - 43	40 - 44	40 - 44	40 - 44
Installation Requirements	Liquid line	Øinches(mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas line	Øinches(mm)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
	Condensate drainage	mm	25 Ø	25 Ø	25 Ø	25 Ø	25 Ø
	Indoor-outdoor interconnection	N° cables/section* shield	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm
Operating limits	Working range	°C	16 / 32	16 / 32	16 / 32	16 / 32	16 / 32
	Indoor temperature (Min-Max)	Refrig. °C B.U.	17 / 32	17 / 32	17 / 32	17 / 32	17 / 32
		Heat. °C B.S.	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30

The nominal cooling capacity is based on the following conditions:  
 Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.  
 Equivalent pipe length: 8m horizontal.  
 The nominal heating capacity is based on the following conditions:  
 Outdoor temperature: 7°C Dry bulb, 6°C Wet bulb. Return air temperature: 20°C Dry bulb.  
 Equivalent pipe length: 8m horizontal.  
 Sound power: In semi anechoic room 1 m distance of the unit.  
 \* shield wire.

# CVR (VRF) SERIES : INDOOR UNITS

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## CVR (VRF) - CASSETTE INDOOR UNITS

### Features



### Optional



Indoor unit code			CVR-V22QR	CVR-V28QR	CVR-V36QR	CVR-V45QR
Decorative panel code			PANEL 60X60			
Refrigeration	Capacity	KW (Nom)	2.2	2.8	3.6	4.5
	Heating	Capacity	KW (Nom)	2.5	3.2	4
Indoor unit	Dimensions (L-P-A)	mm	653x585x267	653x585x267	653x585x267	653x585x267
	Net weight	Kg	17.5	17.5	17.5	17.5
	Dimensions of the panel	mm	650x650x30	650x650x30	650x650x30	650x650x30
	Net weight of the panel	Kg	2.7	2.7	2.7	2.7
	Air flow	m <sup>3</sup> /h	447	447	515	515
	Sound power	dB(A)	22 - 34	22 - 34	27 - 38	27 - 38
Installation Requirements	Liquid line	Øinches(mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas line	Øinches(mm)	3/8" (9.52)	3/8" (9.52)	1/2" (12.7)	1/2" (12.7)
	Condensate drainage	mm	25 Ø	25 Ø	25 Ø	25 Ø
	Indoor interconnection	N° cables/section* shield	2 x 0.75 mm + Shield	2 x 0.75 mm + Shield	2 x 0.75 mm + Shield	2 x 0.75 mm + Shield
Operating limits	Working range	°C	16 / 32	16 / 32	16 / 32	16 / 32
	Indoor temperature (Min-Max)	Refrig. °C B.U.	17 / 32	17 / 32	17 / 32	17 / 32
		Heat. °C B.S.	0 / 30	0 / 30	0 / 30	0 / 30

The units are single phase **220-240V 50Hz**.

The nominal cooling capacity is based on the following conditions:

Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.

Equivalent pipe length: 8m horizontal.

The nominal heating capacity is based on the following conditions:

Outdoor temperature: 7°C Dry bulb, 6°C Wet bulb. Return air temperature: 20°C Dry bulb.

Equivalent pipe length: 8m horizontal.

Sound power: In semi anechoic room 1 m distance of the unit.

\* shield wire.

# CVR (VRF) SERIES : INDOOR UNITS

## CVR (VRF) - CASSETTE INDOOR UNITS

### Features



### Optional



Indoor unit code			CVR-V56QR	CVR-V70QR	CVR-V80QR	CVR-V90QR	CVR-V100QR
Decorative panel code			PANEL 90X90				
Refrigeration	Capacity	KW (Nom)	5.6	7.1	8	9	10
Heating	Capacity	KW (Nom)	6.3	8	8.8	10	11
Indoor unit	Dimensions (L-P-A)	mm	833x232x900	833x232x900	833x232x900	833x232x900	833x232x900
	Net weight	Kg	24	24	24	28.5	28.5
	Dimensions of the panel	mm	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
	Net weight of the panel	Kg	5.4	5.4	5.4	5.4	5.4
	Air flow	m <sup>3</sup> /h	860	1200		1400	
	Sound power	dB(A)	32 - 39	35 - 39	35 - 39	37 - 41	37 - 41
Installation Requirements	Liquid line	Øinches(mm)	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas line	Øinches(mm)	1/2" (12.7)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
	Condensate drainage	mm	25 Ø	25 Ø	25 Ø	25 Ø	25 Ø
	Indoor-outdoor interconnection	N° cables/section* shield	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm
Operating limits	Working range	°C	16 / 32	16 / 32	16 / 32	16 / 32	16 / 32
	Indoor temperature (Min-Max)	Refrig. °C B.U.	17 / 32	17 / 32	17 / 32	17 / 32	17 / 32
		Heat. °C B.S.	0 / 30	0 / 30	0 / 30	0 / 30	0 / 30

The units are single phase **220-240V 50Hz**.

The nominal cooling capacity is based on the following conditions:

Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.

Equivalent pipe length: 8m horizontal.

The nominal heating capacity is based on the following conditions:

Outdoor temperature: 7°C Dry bulb, 6°C Wet bulb. Return air temperature: 20°C Dry bulb.

Equivalent pipe length: 8m horizontal.

Sound power: In semi anechoic room 1 m distance of the unit.

\* shield wire.

# CVR (VRF) SERIES : INDOOR UNITS

## CVR (VRF) - CASSETTE INDOOR UNITS

### Features



### Optional



Indoor unit code			CVR-V112QR	CVR-V125QR	CVR-V140QR	CVR-V160QR
Decorative panel code			PANEL 90X90			
Refrigeration	Capacity	<i>KW (Nom)</i>	11.2	12.5	14	16
Heating	Capacity	<i>KW (Nom)</i>	160	160	160	160
Indoor unit	Dimensions (L-P-A)	<i>mm</i>	833x232x900	833x232x900	833x232x900	833x232x900
	Net weight	<i>Kg</i>	28.5	28.5	28.5	28.5
	Dimensions of the panel	<i>mm</i>	950x50x950	950x50x950	950x50x950	950x50x950
	Net weight of the panel	<i>Kg</i>	5.4	5.4	5.4	5.4
	Air flow	<i>m³/h</i>	1400	1400	1800	1800
	Sound power	<i>dB(A)</i>	37 - 41	37 - 41	38 - 46	38 - 46
Installation Requirements	Liquid line	<i>Ø inches (mm)</i>	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas line	<i>Ø inches (mm)</i>	1/2" (12.7)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
	Condensate drainage	<i>mm</i>	25 Ø	25 Ø	25 Ø	25 Ø
	Indoor-outdoor interconnection	<i>N° cables/ section* shield</i>	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm	2 x 0.75 mm
Operating limits	Working range	<i>°C</i>	16 / 32	16 / 32	16 / 32	16 / 32
	Indoor temperature (Min-Max)	<i>Refrig. °C B.U.</i>	17 / 32	17 / 32	17 / 32	17 / 32
		<i>Heat. °C B.S.</i>	0 / 30	0 / 30	0 / 30	0 / 30

The units are single phase **220-240V 50Hz**.

The nominal cooling capacity is based on the following conditions:

Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.

Equivalent pipe length: 8m horizontal.

The nominal heating capacity is based on the following conditions:

Outdoor temperature: 7°C Dry bulb, 6°C Wet bulb. Return air temperature: 20°C dry bulb.

Equivalent pipe length: 8m horizontal.

Sound power: In semi anechoic room 1 m distance of the unit.

\* shield wire.

# SERIE VRF - CENTRIFUGAL OUTDOOR UNITS



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Outdoor unit code			CVR-D100W	CVR-D140W	CVR-D160W	CVR-D224W
<b>Max. indoor units quantity</b>			<b>5</b>	<b>8</b>	<b>9</b>	<b>13</b>
<b>Power supply</b>		<i>F-V-Hz</i>	<b>220-240V/ 1F+N/50hz</b>	<b>380-415V/3F+N/50hz</b>		
<b>Refrigeration</b>	Capacity	<i>KW (Nom)</i>	<b>10</b>	<b>14</b>	<b>16</b>	<b>22</b>
	Input power	<i>KW (Nom)</i>	<b>4.3</b>	<b>5</b>	<b>6</b>	<b>6.4</b>
	Rated current (RLA)	<i>A (Nom)</i>	<b>18.6</b>	<b>7.7</b>	<b>9.2</b>	<b>12.5</b>
	SEER		<b>6.52</b>	<b>5.83</b>	<b>5.56</b>	<b>5.14</b>
<b>Heating</b>	Capacity	<i>KW (Nom)</i>	<b>11.2</b>	<b>14</b>	<b>16</b>	<b>24</b>
	Input power	<i>KW (Nom)</i>	<b>4.1</b>	<b>4.6</b>	<b>5.3</b>	<b>9.5</b>
	Rated current (RLA)	<i>A (Nom)</i>	<b>18.1</b>	<b>7.1</b>	<b>8.1</b>	<b>15.4</b>
	SCOP		<b>4.2</b>	<b>3.51</b>	<b>3.51</b>	<b>3.47</b>
<b>Outdoor unit</b>	Dimensions (L-P-A)	<i>mm</i>	<b>1520x976x584</b>	<b>1516x973x584</b>	<b>1516x973x584</b>	<b>2001x1656x675</b>
	Net weight	<i>Kg</i>	<b>141</b>	<b>173</b>	<b>173</b>	<b>300</b>
	Air flow	<i>m³/h</i>	<b>3600</b>	<b>3600</b>	<b>5000</b>	<b>7000</b>
	Sound pressure (Max)	<i>dB(A)</i>	<b>65</b>	<b>68</b>	<b>68</b>	<b>68</b>
	Static pressure	<i>Pa</i>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>
	Max. input power	<i>kW</i>	<b>4.7</b>	<b>6.8</b>	<b>7.3</b>	<b>14</b>
	Max. rated current	<i>A</i>	<b>30</b>	<b>20</b>	<b>20</b>	<b>40</b>
<b>Piping connections</b>	Liquid line	<i>mm</i>	<b>3/8" (9.52)</b>	<b>3/8" (9.52)</b>	<b>3/8" (9.52)</b>	<b>3/8" (9.52)</b>
	Gas line	<i>mm</i>	<b>5/8" (15.88)</b>	<b>(19.05 mm)</b>	<b>(19.05 mm)</b>	<b>(22.2 mm)</b>
	Max. line length (total)	<i>m</i>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
	Max.length between OU and farthest IU	<i>m</i>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>
	Max.length between 1st T-join and farthest IU	<i>m</i>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>
	Outdoor unit over indoor unit	<i>Max.level difference (m)</i>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
	Indoor unit over outdoor unit	<i>Max.level difference (m)</i>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>
	Height dif. between indoor units	<i>Max.level difference (m)</i>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
<b>Refrigerant</b>	Refrigerant type		<b>R410A</b>	<b>R410A</b>	<b>R410A</b>	<b>R410A</b>
	Pre-charge	<i>Kg</i>	<b>2.6</b>	<b>3.7</b>	<b>3.7</b>	<b>7.5</b>
<b>Electr. connections</b>	Power supply	<i>N° cables / section</i>	<b>3*6 mm</b>	<b>5*2.5 mm</b>	<b>5*2.5 mm</b>	<b>5*6 mm</b>
<b>Operating limits</b>	Outdoor temperature (Min-Max)	<i>Refrig. °C B.U.</i>	<b>-5 / 50</b>	<b>-5 / 50</b>	<b>-5 / 50</b>	<b>-5 / 50</b>
		<i>Heat. °C B.S.</i>	<b>-15 / 30</b>	<b>-15 / 30</b>	<b>-15 / 30</b>	<b>-15 / 30</b>

The nominal cooling capacity is based on the following conditions:  
 Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.  
 The nominal heating capacity is based on the following conditions:  
 Outdoor temperature: 7°C Dry bulb, 15°C Wet bulb. Return air temperature: 20°C Dry bulb.

# MINI VRF SERIES : OUTDOOR UNITS



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Outdoor unit code			CVR-DH80W	CVR-DH100W	CVR-DH125W	CVR-DH140W	CVR-DH160W
Power supply		F-V-Hz	Monophase 220-240V/1F+N/50hz				
Refrigeration	Capacity	KW (Nom)	8	10	12.5	14	16
	Input power	KW (Nom)	2.6	3	3.2	3.75	4.75
	Rated current	A (Nom)	11.8	13.6	14.5	17	21.8
	EER		3.08	3.33	3.91	3.73	3.37
Heating	Capacity	KW (Nom)	9	11	14	16	17
	Input power	KW (Nom)	2.65	3.10	3.52	4	4.4
	Rated current	A (Nom)	12	14	16.1	18.2	20
	COP		3.40	3.55	3.98	4.0	3.86
Outdoor unit	Dimensions (L-P-A)	mm	935x702x383	1032x810x445	1100x870x528	1100x870x528	1100x870x528
	Net weight	Kg	47	60	85	90	90
	Dimensions with packaging	mm	975x770x420	1075x875x495	1140x965x540	1140x965x540	1140x965x540
	Weight with packaging	Kg	50	65	95	100	100
	Air flow	m <sup>3</sup> /h	3300	4000	5500	5500	5500
	Sound level (Max)	dB(A)	54	56	56	57	57
	Compressor typr		TWIN ROTARY COMPRESSOR				
Piping Connections	Liquid line	mm	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas line	mm	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
	Max. line length (total)	m	100	100	100	100	100
	Max. line length (real)	m	60	60	60	60	60
	Max.length between 1st T-join and farthest IU	m	20	20	20	20	20
	Outdoor unit over indoor unit	Max.level difference(m)	30	30	30	30	30
	Indoor unit over outdoor unit	Max.level difference(m)	20	20	20	20	20
	Height dif. between indoor units	Max.level difference(m)	8	8	8	8	8
Refrigerant	Refrigerant type		R410A	R410A	R410A	R410A	R410A
	Pre-charge	Kg	2.0	2.6	3	3.8	3.8
Electrical Connections	Power supply	N° cables / section	3*2.5 mm	3*2.5 mm	3*2.5 mm	3*2.5 mm	3*2.5 mm
	Max. electric power	kW	3.96	4.40	7.48	7.48	7.48
	Max. rated current	A	18	20	34	34	34
Operating limits	Outdoor temperature (Min-Max)	Refrig. °C B.U.	-15 / 55	-15 / 55	-15 / 55	-15 / 55	-15 / 50
		Heat. °C B.S.	-15 / 30	-15 / 30	-15 / 30	-15 / 30	-15 / 30

The nominal cooling capacity is based on the following conditions:  
 Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.  
 The nominal heating capacity is based on the following conditions:  
 Outdoor temperature: 7°C Dry bulb, 15°C Wet bulb. Return air temperature: 20°C Dry bulb.



# VRF SERIES : OUTDOOR UNITS



Outdoor unit code			CVR-D180W	CVR-D200W	CVR-D224W	CVR-D260W	CVR-D280W
<b>Max. indoor units quantity</b>			<b>10</b>	<b>11</b>	<b>13</b>	<b>15</b>	<b>16</b>
<b>Power supply</b>		<i>F-V-Hz</i>	Three phase 380-415V/3F+N/50hz				
<b>Refrigeration</b>	Capacity	<i>KW (Nom)</i>	18	20	22.4	26	28
	Input power	<i>KW (Nom)</i>	5.18	5.92	6.75	7.54	8
	EER		3.47	3.38	3.32	3.45	3.37
<b>Heating</b>	Capacity	<i>KW (Nom)</i>	20	22	24	28.5	31.5
	Input power	<i>KW (Nom)</i>	5.02	5.35	5.62	6.77	8.18
	COP		3.98	4.11	4.27	6.77	8.18
<b>Outdoor unit</b>	Dimensions (L-A-P)	<i>mm</i>	975x1335x400	1015x1430x450	1015x1430x450	1120x1549x528	1120x1549x528
	Net weight	<i>Kg</i>	94.7	112.7	112.7	142	142
	Dimensions with packaging	<i>mm</i>	1010x1445x415	1095x1545x485	1095x1545x485	1278x1703x560	1278x1703x560
	Weight with packaging	<i>Kg</i>	104.4	126.8	126.8	162	162
	Air flow	<i>m³/h</i>	6000	8000	8000	10000	10000
	Sound level (Max)	<i>dB(A)</i>	58	58	58	60	60
<b>Piping Connections</b>	Liquid line	<i>mm</i>	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	1/2" (12.7)
	Gas line	<i>mm</i>	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	7/8" (22.2)	7/8" (22.2)
	Max. line length (total)	<i>m</i>	100	100	100	120	120
	Max. line length (Real)	<i>m</i>	70	70	70	70	70
	Max. length between 1st T-join and farthest IU	<i>m</i>	20	20	20	20	20
	Outdoor unit over indoor unit	<i>Max.level difference(m)</i>	30	30	30	30	30
	Indoor unit over outdoor unit	<i>Max.level difference(m)</i>	20	20	20	20	20
Height dif. between indoor units	<i>Max.level difference(m)</i>	8	8	8	8	8	
<b>Refrigerant</b>	Refrigerant type		R410A	R410A	R410A	R410A	R410A
	Pre-charge	<i>Kg</i>	4.2	5.3	5.3	6.1	8
<b>Electrical Connections</b>	Power supply	<i>N° cables/section</i>	5*2.5 mm	5 * 6 mm	5 * 6 mm	5 * 6 mm	5 * 6 mm
	Indoor-outdoor interconnection shield	<i>N° cables/section</i>	3 * 1 mm	3 * 1 mm	3 * 1 mm	3 * 1 mm	3 * 1 mm
	Max. electric power	<i>KW</i>	7	9.8	10.6	11.5	13
	Max. rated current	<i>A</i>	12.5	15.8	17	19	22.5
<b>Operating limits</b>	Outdoor temperature (Min-Max)	<i>Refrig. °C B.U.</i>	-5 / 55	-5 / 55	-5 / 55	-5 / 55	-5 / 55
		<i>Heat. °C B.S.</i>	-20 / 30	-20 / 30	-20 / 30	-20 / 30	-20 / 30

The nominal cooling capacity is based on the following conditions:  
 Outdoor temperature: 35°C Dry bulb, Return air temperature: 27°C Dry bulb, 19°C Wet bulb.  
 The nominal heating capacity is based on the following conditions:  
 Outdoor temperature: 7°C Dry bulb, 15°C Wet bulb. Return air temperature: 20°C Dry bulb.