



VVTA

Reversible - Continuous heating - 2-pipes VRF range

The 2-pipes VRF range was redesigned with a new innovative structure integrating a service door and all the electronic components mounted on a hinge.

- ▶ A unit capacity of up to 73.5 kW that can be coupled up to 4 modules.
- ▶ A new **4-way coil**, for better heat exchange.
- ▶ Modbus output included. New electronic board with an addressable and configurable Modbus output directly available on the outdoor unit.

COMPATIBLE

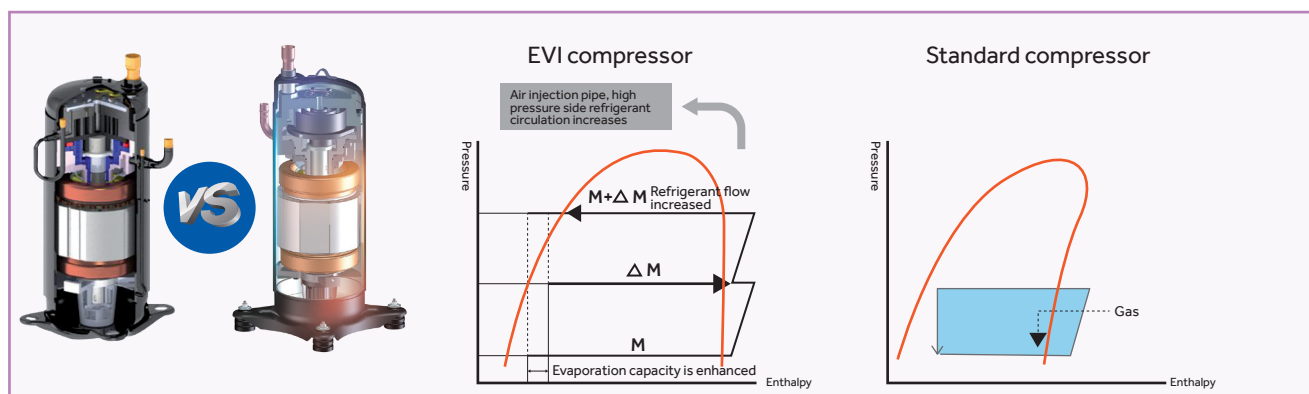


COMPATIBLE



▶ Innovative EVI compressor

We have equipped this new range with an EVI (enhanced vapor injection) compressor to offer Airwell customers a unique experience. The unit incorporates a compressor with EVI technology which increases the flow of refrigerant by 15% and thus obtains a **30% improved efficiency in heating** compared to traditional compressors. In addition, thanks to the valve incorporated in the EVI compressor, **the efficiency of the system is increased by 5%** with operation down to -27°C in heating and up to +52°C in cooling.

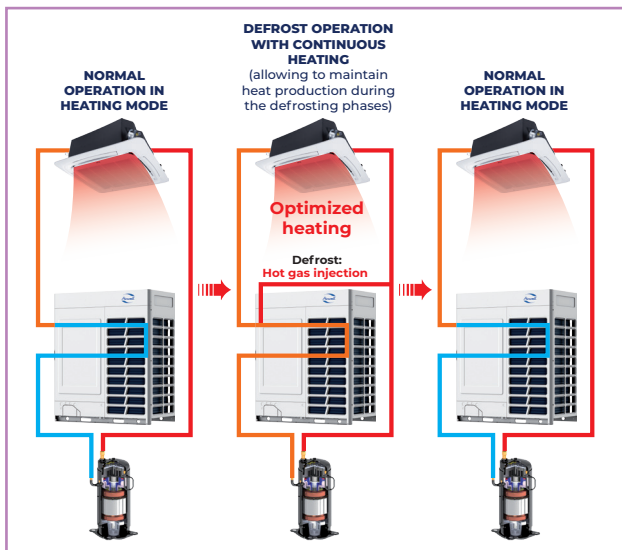


THE AIRWELL VRF SOLUTION

► Continuous heating

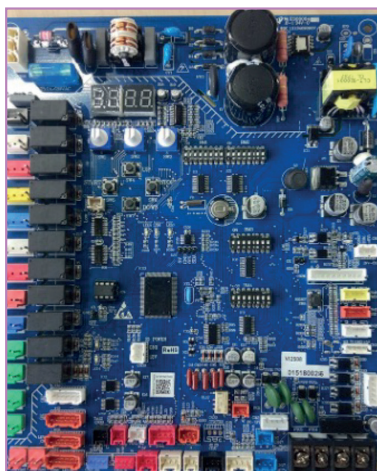
The EVI compressor allows the production of heat without interruption during the defrosting phases.

The VVTA range uses intelligent defrosting technology, allowing heating production to be maintained even during defrosting phases. Indeed, an algorithm taking into account the pressure of the system, the temperature of the battery and influencing the variation of the fan motor allows us to offer this level of comfort by reducing the fluctuations of interior temperature.



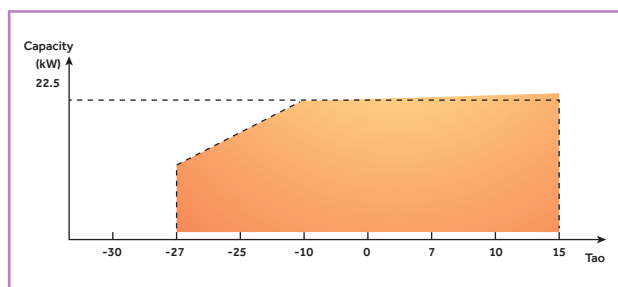
► Modbus output included

No need for a gateway anymore to use a centralized controller or integrate the system with a BMS. An addressable and configurable Modbus output is directly available on the outdoor unit.



► Improved heating capacity

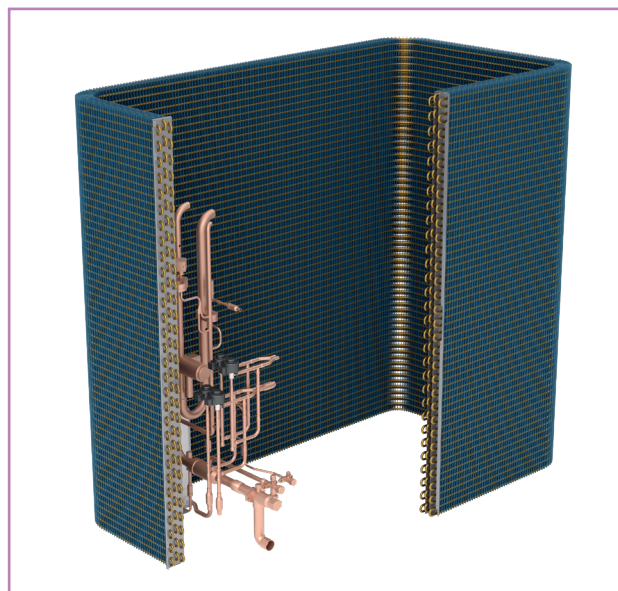
At low temperature, compared to standard machines, the heating capacity increases by 10%. In the 8HP unit for example, the heating capacity is 100% at -10°C outdoor temperature.



► A new 4-way heat exchanger

Improving heat transfer on the 4 sides of the condensing unit.

Standard anti-corrosion treatment offering resistance to salt spray for more than 1500 hours and reinforced anti-corrosion treatment on request to meet the most demanding constraints.





VRF
Outdoor units



COMPATIBLE



COMPATIBLE



+ PRODUCT

- Capacity from 25 to 294 kW
- Combination of 4 outdoor units possible
- Continuous heating
- EVI Scroll compressor
- Modbus outlet



RWV06
(optional)



RWV09
(optional)

FEATURES

TECHNOLOGY



DC INVERTER



BLUE FIN TREATMENT

INSTALLER FUNCTIONS



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

CERTIFICATION

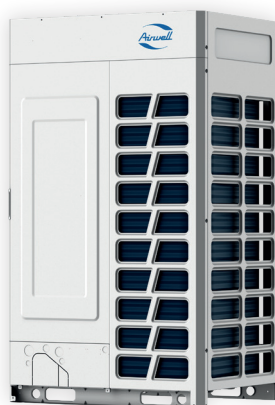
- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate:

www.eurovent-certification.com



VVTA

2-pipes - Top discharge system



VVTA 250-450



VVTA 504-735

THE + "SUSTAINABLE DEVELOPMENT"

- > Low consumption and optimized regulation for greater energy savings.
- > Improved efficiency at very low and very high temperature (from -27°C to 52°C) thanks to the EVI.

THE + "USER"

- > Heating mode uninterrupted during the defrost phases.
- > Intuitive and efficient centralized management.
- > Large choice of indoor units.

THE + "INSTALLER"

- > Improved accessibility, thanks to the service door.
- > Up to 1000 m of refrigeration network and 110 m of height difference.
- > Modbus outlet for easy BMS integration.
- > Access to all operating parameters, thanks to the HMI (Human Machine Interface).

THE + "TECHNOLOGY"

- > Automatic oil balance, no more balance tube.
- > Reinforced anti-corrosion treatment.
- > Compatible with AirConnect Pro and AirConnect Smart.
- > 110 Pa available static pressure on outdoor fan(s).

ACCESSORIES

ACCESSORY	PART NUMBER	REF.	PHOTO	FUNCTION	COMMENT
Gather pipe kit for 2 outdoor groups	7ACFHH013	TBS20		• Refrigerant gathering	• For 2 outdoor groups
Gather pipe kit for 3 outdoor groups	7ACFHH014	TBS30		• Refrigerant gathering	• For 3 outdoor groups
Gather pipe kit for 4 outdoor groups	7ACFHH014 + 7ACFHH015	TBS30 + TAU2040		• Refrigerant gathering	• For 4 outdoor groups
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		• Refrigerant gathering	• 33.5 kW > Total IDU power
	7ACFHH002	TAU506		• Refrigerant gathering	• 33.5 kW ≤ Total IDU power < 50.6 kW
	7ACFHH003	TAU730		• Refrigerant gathering	• 50.6 kW ≤ Total IDU power < 73 kW
	7ACFHH004	TAU1350		• Refrigerant gathering	• 73 kW ≤ Total IDU power < 135 kW
	7ACFHH015	TAU2040		• Refrigerant gathering	• 135 kW ≤ Total IDU power
Maintenance tool	7ACELH014	TD02		• Working parameters monitoring and recording tool	
Smart Wi-Fi module	7ACELI869	-		• Remote control by the smart Wi-Fi module and controlled by the AirConnect Smart application	• Module dimensions: 86x86x12 mm.

TECHNICAL DATA

MODEL			VVTA-250R-01T32	VVTA-280R-01T32	VVTA-335R-01T32	VVTA-400R-01T32	VVTA-450R-01T32	VVTA-504R-01T32	VVTA-560R-01T32	VVTA-615R-01T32	VVTA-680R-01T32	VVTA-735R-01T32
Part number			7VF150018	7VF150019	7VF150020	7VF150021	7VF150022	7VF150023	7VF150024	7VF150025	7VF150026	7VF150027
Phase			Three phases									
Power		HP	8	10	12	14	16	18	20	22	24	26
COOLING MODE												
Rated power*		kW	25.20	28.00	33.50	40.00	45.00	50.40	56.00	61.50	68.00	73.50
Rated power input		kW	6.24	7.37	10.15	11.94	13.24	15.60	16.62	20.16	22.67	36.75
Max. power input		kW	14.30	15.10	16.32	17.58	20.69	25.90	28.91	31.82	32.81	37.80
Rated current		A	10.53	12.44	17.14	20.16	22.34	26.34	28.05	34.03	37.65	59.24
Max. current		A	23.81	25.14	27.17	29.27	34.50	40.30	46.30	51.91	54.12	61.91
EER			4.04	3.80	3.30	3.35	3.40	3.23	3.37	3.05	3.00	2.00
SEER			7.25	7.09	6.69	6.60	6.36	6.78	6.75	6.54	5.83	4.90
Seasonal operating limits			287.00	280.60	264.60	261.00	251.40	268.20	267.00	258.60	230.20	193.00
HEATING MODE												
Rated power*		kW	25.20	28.00	33.50	40.00	45.00	50.40	56.00	61.50	68.00	73.50
Rated power input		kW	5.73	6.51	8.59	10.00	11.25	13.19	14.66	18.64	19.43	26.25
Max. power input		kW	11.69	12.19	12.69	16.10	19.56	21.93	24.70	25.69	30.40	32.45
Rated current		A	9.67	10.99	14.50	16.88	18.99	22.27	24.75	31.46	32.80	44.32
Max. current		A	19.47	20.30	21.13	26.81	32.57	36.51	41.13	42.78	50.62	54.03
COP			4.40	4.30	3.90	4.00	4.00	3.82	3.82	3.30	3.50	2.80
SCOP			4.41	4.31	4.31	4.12	4.05	4.15	4.20	4.21	4.17	3.5
Seasonal operating limits			173.40	169.40	169.40	161.80	159.00	163.00	165.00	165.40	163.80	137.00
POWER SUPPLY												
Phase/Voltage/Frequency			3P/380-415V/50-60Hz									
PERFORMANCE												
Airflow (HS)		m³/h	11000	11000	12000	13500	13500	17000	17000	18000	18000	19000
Sound pressure	Cooling mode	dB(A)	61	61	61	64	64	64	64	-	-	-
	Heating mode	dB(A)	56	56	59	59	60	61	61	61	62	62
Sound power level (HS)		dB(A)	81	82	88	88	88	88	88	88	90	90
INSTALLATION												
Outline dimensions (WxHxD)		mm	980x1690x750						1410x1690x750			
Package dimensions (WxHxD)		mm	1070x1858x850						1515x1858x850			
Net weight/Gross weight		kg	255/280						385/410			
Compressor	Type		Scroll DCI						Scroll DCI			
	Brand		Mitsubishi Electric						Mitsubishi Electric			
	Number of compressors		1						2			
Refrigerant/GWP			R410A/2088									
Charge		kg	10									
Liquid pipe diameter		inches	3/8"		1/2"			5/8"				
Suction pipe diameter		inches	3/4"	7/8"	1"		1 1/8"	1 1/8"				
Suction pipe diameter haut		inches	3/4"		7/8"		1"	1"			1 1/8"	
Max. length		m	1000									
Max. length (equivalent/actual)		m	260/220									
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90									
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40									
Max. height between indoor units ⁽³⁾		m	30									
Standard height between indoor units ⁽⁴⁾		m	18									
External static pressure		Pa	110									
Indoor/outdoor unit power ratio (min./max.)		%	50~130									
Maximum number of connectable indoor units		quantity	13	16	20	24	27	30	33	36	40	43
OPERATING LIMITS												
Cooling mode (min. /max.)		°C	-5~50									
Heating mode (min. /max.)		°C	-23~21									

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).

VVTA

2-pipes - Top discharge system

VRF
Outdoor units

TECHNICAL DATA FOR TWO COMBINATIONS

MODEL			VVTA-800R	VVTA-850R	VVTA-900R	VVTA-954R	VVTA-1008R	VVTA-1064R	VVTA-1120R
COMBINATIONS			VVTA-400R	VVTA-400R	VVTA-450R	VVTA-450R	VVTA-504R	VVTA-504R	VVTA-560R
		7VFI50021	7VFI50021	7VFI50022	7VFI50022	7VFI50023	7VFI50023	7VFI50024	
		VVTA-400R	VVTA-450R	VVTA-450R	VVTA-504R	VVTA-504R	VVTA-560R	VVTA-560R	
		7VFI50021	7VFI50022	7VFI50022	7VFI50023	7VFI50023	7VFI50024	7VFI50024	
Phase			Three phases						
Power		HP	28	30	32	34	36	38	40
COOLING MODE									
Rated power*		kW	80.00	85.00	90.00	95.40	100.80	106.40	112.00
Rated power input		kW	23.88	25.18	26.47	28.84	31.20	32.22	33.23
Max. power input		kW	35.16	38.27	41.38	46.59	51.80	54.81	57.82
Rated current		A	40.32	42.50	44.69	48.68	52.67	54.39	56.11
Max. current		A	58.54	63.77	69.00	74.80	80.60	86.60	92.60
EER			3.35	3.38	3.40	3.31	3.23	3.30	3.37
SEER			6.60	6.36	6.36	6.36	6.78	6.75	6.75
Seasonal operating limits			261	251	251	251	268	267	267
HEATING MODE									
Rated power*		kW	80.00	85.00	90.00	95.40	100.80	106.40	112.00
Rated power input		kW	20.00	21.25	22.50	24.44	26.39	27.85	29.32
Max. power input		kW	32.20	35.66	39.12	41.49	43.86	46.63	49.40
Rated current		A	33.76	35.87	37.98	41.27	44.55	47.02	49.50
Max. current		A	53.61	59.38	65.14	69.08	73.03	77.64	82.25
COP			4.00	4.00	4.00	3.90	3.82	3.82	3.82
SCOP			4.12	4.05	4.05	4.05	4.15	4.15	4.20
Seasonal operating limits			162	159	159	159	163	163	165
POWER SUPPLY									
Phase/Voltage/Frequency			3P/380-415V/50-60Hz						
PERFORMANCE									
Airflow (HS)		m³/h	27000	27000	27000	30500	34000	34000	34000
Sound pressure	Cooling mode	dB(A)	62	62.5	63	63.5	64	64	64
	Heating mode	dB(A)	62	62.5	63	63.5	64	64	64
Sound power level (HS)		dB(A)	91	91	91	91	91	91	91
INSTALLATION									
Outline dimensions (WxHxD)		mm	980x1690x750 +980x1690x750			980x1690x750 + 1410x1690x750	1410x1690x750 + 1410x1690x750		
Package dimensions (WxHxD)		mm	1070x1858x850 + 1070x1858x850			1070x1858x850 + 1515x1858x850	1485x1858x850 + 1485x1858x850		
Net weight/Gross weight		kg	255/280 + 255/280			255/280 + 385/410	385/410 + 385/410		
Compressor	Type					Scroll DCI			
	Brand					Mitsubishi Electric			
	Number of compressors		2			3	4		
Refrigerant/GWP			R410A/2088						
Charge		kg	20						
Liquid pipe diameter		inches	5/8"				3/4"		
Suction pipe diameter		inches	1"1/8	1"1/4			1"1/2		
Max. length		m	1000						
Max. length (equivalent/actual)		m	260/220						
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90						
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40						
Max. height between indoor units ⁽³⁾		m	30						
Standard height between indoor units ⁽⁴⁾		m	18						
External static pressure		Pa	110						
Indoor/outdoor unit power ratio (min./max.)		%	50~130						
Maximum number of connectable indoor units		quantity	47	50	53	56	59	63	64
OPERATING LIMITS									
Cooling mode (min./max.)		°C	-5~-52						
Heating mode (min./max.)		°C	-27~-21						

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).

TECHNICAL DATA FOR TWO COMBINATIONS

MODEL			VVTA-1175R	VVTA-1230R	VVTA-1295R	VVTA-1360R	VVTA-1415R	VVTA-1470R
COMBINATIONS			VVTA-560R	VVTA-615R	VVTA-615R	VVTA-680R	VVTA-680R	VVTA-735R
			7VFI50024	7VFI50025	7VFI50025	7VFI50026	7VFI50026	7VFI50027
			VVTA-615R	VVTA-615R	VVTA-680R	VVTA-680R	VVTA-735R	VVTA-735R
			7VFI50025	7VFI50025	7VFI50026	7VFI50026	7VFI50027	7VFI50027
Phase		Three phases						
Power	HP	42	44	46	48	50	52	
COOLING MODE								
Rated power*	kW	117.50	123.00	129.50	136.00	141.50	147.00	
Rated power input	kW	36.78	40.32	42.83	45.34	59.42	73.50	
Max. power input	kW	60.73	63.64	64.63	65.62	70.61	75.60	
Rated current	A	62.09	68.07	71.68	75.30	96.89	118.48	
Max. current	A	98.21	103.82	106.03	108.24	116.03	123.82	
EER		3.19	3.05	3.02	3.00	2.38	2.00	
SEER		6.54	6.54	5.83	5.83	4.90	4.90	
Seasonal operating limits		259	259	230	230	193	193	
HEATING MODE								
Rated power*	kW	117.50	123.00	129.50	136.00	141.50	147.00	
Rated power input	kW	33.30	37.27	38.06	38.86	45.68	52.50	
Max. power input	kW	50.39	51.38	56.09	60.80	62.85	64.90	
Rated current	A	56.21	62.92	64.26	65.60	77.11	88.63	
Max. current	A	83.90	85.55	93.39	101.23	104.65	108.06	
COP		3.53	3.30	3.40	3.50	3.10	2.80	
SCOP		4.20	4.21	4.17	4.17	3.50	3.50	
Seasonal operating limits		165	165	164	164	137	137	
POWER SUPPLY								
Phase/Voltage/Frequency			3P/380-415V/50-60Hz					
PERFORMANCE								
Airflow (HS)		m³/h	35000	36000	36000	36000	37000	38000
Sound pressure	Cooling mode	dB(A)	64	64	64.5	65	65	65
	Heating mode	dB(A)	64	64	64.5	65	65	65
Sound power level (HS)		dB(A)	92	93	93	93	93	93
INSTALLATION								
Outline dimensions (WxHxD)		mm	1410x1690x750 + 1410x1690x750					
Package dimensions (WxHxD)		mm	1485x1858x850 + 1485x1858x850					
Net weight/Gross weight		kg	385/410 + 385/410					
Compressor	Type		Scroll DCI					
	Brand		Mitsubishi Electric					
	Number of compressors		4					
Refrigerant/GWP			R410A/2088					
Charge		kg	20					
Liquid pipe diameter		inches	3/4"					
Suction pipe diameter		inches	1"1/2					
Max. length		m	1000					
Max. length (equivalent/actual)		m	260/220					
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90					
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40					
Max. height between indoor units ⁽³⁾		m	30					
Standard height between indoor units ⁽⁴⁾		m	18					
External static pressure		Pa	110					
Indoor/outdoor unit power ratio (min./max.)		%	50~130					
Maximum number of connectable indoor units		quantity	64					
OPERATING LIMITS								
Cooling mode (min./max.)		°C	-5~52					
Heating mode (min./max.)		°C	-27~21					

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).

VVTA

2-pipes - Top discharge system

VRF
Outdoor units

TECHNICAL DATA FOR THREE COMBINATIONS

MODEL			VVTA-1512R	VVTA-1568R	VVTA-1624R	VVTA-1680R	VVTA-1735R	VVTA-1790R	VVTA-1845R	
COMBINATIONS			VVTA-504R	VVTA-504R	VVTA-504R	VVTA-560R	VVTA-615R	VVTA-615R	VVTA-615R	
			7VFI50023	7VFI50023	7VFI50023	7VFI50024	7VFI50025	7VFI50025	7VFI50025	
			VVTA-504R	VVTA-504R	VVTA-560R	VVTA-560R	VVTA-560R	VVTA-615R	VVTA-615R	
			7VFI50023	7VFI50023	7VFI50024	7VFI50024	7VFI50024	7VFI50025	7VFI50025	
			VVTA-504R	VVTA-560R	VVTA-560R	VVTA-560R	VVTA-560R	VVTA-560R	VVTA-615R	
		7VFI50023	7VFI50024	7VFI50024	7VFI50024	7VFI50024	7VFI50024	7VFI50025		
Phase			Three phases							
Power	HP		54	56	58	60	62	64	66	
COOLING MODE										
Rated power*		kW	151.20	156.80	162.40	168.00	173.50	179.00	184.50	
Rated power input		kW	46.80	47.82	48.83	49.85	53.39	56.94	60.48	
Max. power input		kW	77.70	80.71	83.72	86.73	89.64	92.55	95.46	
Rated current		A	79.01	80.73	82.44	84.16	90.14	96.12	102.10	
Max. current		A	120.90	126.90	132.90	138.90	144.51	150.12	155.73	
EER			3.23	3.28	3.33	3.37	3.25	3.14	3.05	
SEER			6.78	6.75	6.75	6.75	6.54	6.54	6.54	
Seasonal operating limits			268	267	267	267	259	259	259	
HEATING MODE										
Rated power*		kW	151.20	156.80	162.40	168.00	173.50	179.00	184.50	
Rated power input		kW	39.58	41.05	42.51	43.98	47.96	51.93	55.91	
Max. power input		kW	65.79	68.56	71.33	74.10	75.09	76.08	77.08	
Rated current		A	66.82	69.30	71.77	74.25	80.96	87.67	94.39	
Max. current		A	109.54	114.15	118.76	123.38	125.03	126.68	128.33	
COP			3.82	3.82	3.82	3.82	3.62	3.45	3.30	
SCOP			4.15	4.15	4.15	4.20	4.20	4.20	4.21	
Seasonal operating limits			163	163	163	165	165	165	165	
POWER SUPPLY										
Phase/Voltage/Frequency			3P/380-415V/50-60Hz							
PERFORMANCE										
Airflow (HS)		m³/h	51000	51000	51000	51000	52000	53000	54000	
Sound pressure	Cooling mode	dB(A)	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
	Heating mode	dB(A)	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
Sound power level (HS)		dB(A)	93	93	93	93	93.5	94	95	
INSTALLATION										
Outline dimensions (WxHxD)		mm	1410x1690x750 + 1410x1690x750+1410x1690x750							
Package dimensions (WxHxD)		mm	1485x1858x850 + 1485x1858x850+1485x1858x850							
Net weight/Gross weight		kg	385/410 + 385/410 + 385/410							
Compressor	Type		Scroll DCI							
	Brand		Mitsubishi Electric							
	Number of compressors		6							
Refrigerant/GWP			R410A/2088							
Charge		kg	30							
Liquid pipe diameter		inches	3/4"							
Suction pipe diameter		inches	1"1/2		1"5/8					
Max. length		m	1000							
Max. length (equivalent/actual)		m	260/220							
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90							
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40							
Max. height between indoor units ⁽³⁾		m	30							
Standard height between indoor units ⁽⁴⁾		m	18							
External static pressure		Pa	110							
Indoor/outdoor unit power ratio (min./max.)		%	50~130							
Maximum number of connectable indoor units		quantity	64							
OPERATING LIMITS										
Cooling mode (min./max.)		°C	-5~52							
Heating mode (min./max.)		°C	-27~21							

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).

TECHNICAL DATA FOR THREE COMBINATIONS

MODEL			VVTA-1910R	VVTA-19750R	VVTA-2040	VVTA-2095R	VVTA-2150R	VVTA-2205R
COMBINATIONS			VVTA-615R	VVTA-615R	VVTA-680R	VVTA-735R	VVTA-735R	VVTA-735R
			7VF150025	7VF150025	7VF150026	7VF150027	7VF150027	7VF150027
			VVTA-615R	VVTA-680R	VVTA-680R	VVTA-680R	VVTA-735R	VVTA-735R
			7VF150025	7VF150026	7VF150026	7VF150026	7VF150027	7VF150027
			VVTA-680R	VVTA-680R	VVTA-680R	VVTA-680R	VVTA-680R	VVTA-735R
			7VF150026	7VF150026	7VF150026	7VF150026	7VF150026	7VF150027
Phase		Three phases						
Power	HP	68	70	72	74	76	78	
COOLING MODE								
Rated power*	kW	191.00	197.50	204.00	209.50	215.00	220.50	
Rated power input	kW	62.99	65.50	68.01	82.09	96.17	110.25	
Max. power input	kW	96.45	97.44	98.43	103.42	108.41	113.40	
Rated current	A	105.72	109.33	112.95	134.54	156.13	177.72	
Max. current	A	157.94	160.15	162.36	170.15	177.94	185.73	
EER		3.03	3.02	3.00	2.55	2.24	2.00	
SEER		5.83	5.83	5.83	4.90	4.90	4.90	
Seasonal operating limits		230	230	230	193	193	193	
HEATING MODE								
Rated power*	kW	191.00	197.50	204.00	209.50	215.00	220.50	
Rated power input	kW	56.70	57.49	58.29	65.11	71.93	78.75	
Max. power input	kW	81.78	86.49	91.20	93.25	95.30	97.35	
Rated current	A	95.72	97.06	98.40	109.91	121.43	132.95	
Max. current	A	136.17	144.01	151.85	155.26	158.67	162.09	
COP		3.37	3.44	3.50	3.22	2.99	2.80	
SCOP		4.17	4.17	4.17	3.50	3.50	3.50	
Seasonal operating limits		164	164	164	137	137	137	
POWER SUPPLY								
Phase/Voltage/Frequency			3P/380-415V/50-60Hz					
PERFORMANCE								
Airflow (HS)		m³/h	54000	54000	54000	55000	56000	57000
Sound pressure	Cooling mode	dB(A)	66	66.5	66.8	66.8	66.8	66.8
	Heating mode	dB(A)	66	66.5	66.8	66.8	66.8	66.8
Sound power level (HS)		dB(A)	95	95	95	95	95	95
INSTALLATION								
Outline dimensions (WxHxD)		mm	1410x1690x750 + 1410x1690x750+1410x1690x750					
Package dimensions (WxHxD)		mm	1485x1858x850 + 1485x1858x850+1485x1858x850					
Net weight/Gross weight		kg	385/410 + 385/410 + 385/410					
Compressor	Type		Scroll DCI					
	Brand		Mitsubishi Electric					
	Number of compressors		6					
Refrigerant/GWP			R410A/2088					
Charge		kg	30					
Liquid pipe diameter		inches	7/8"					
Suction pipe diameter		inches	1"3/4					
Max. length		m	1000					
Max. length (equivalent/actual)		m	260/220					
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90					
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40					
Max. height between indoor units ⁽³⁾		m	30					
Standard height between indoor units ⁽⁴⁾		m	18					
External static pressure		Pa	110					
Indoor/outdoor unit power ratio (min./max.)		%	50~130					
Maximum number of connectable indoor units		quantity	64					
OPERATING LIMITS								
Cooling mode (min./max.)		°C	-5~52					
Heating mode (min./max.)		°C	-27~21					

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).

VVTA

2-pipes - Top discharge system

VRF
Outdoor units

TECHNICAL DATA FOR FOUR COMBINATIONS

MODEL			VVTA-2240R	VVTA-2295R	VVTA-2350R	VVTA-2405R	VVTA-2460R	VVTA-2525R	VVTA-2590R
COMBINATIONS			VVTA-560R	VVTA-560R	VVTA-560R	VVTA-560R	VVTA-615R	VVTA-680R	VVTA-680R
			7VF150024	7VF150024	7VF150024	7VF150024	7VF150025	7VF150026	7VF150026
			VVTA-560R	VVTA-560R	VVTA-560R	VVTA-615R	VVTA-615R	VVTA-615R	VVTA-680R
			7VF150024	7VF150024	7VF150024	7VF150025	7VF150025	7VF150025	7VF150026
			VVTA-560R	VVTA-560R	VVTA-615R	VVTA-615R	VVTA-615R	VVTA-615R	VVTA-615R
			7VF150024	7VF150024	7VF150025	7VF150025	7VF150025	7VF150025	7VF150025
			VVTA-560R	VVTA-615R	VVTA-615R	VVTA-615R	VVTA-615R	VVTA-615R	VVTA-615R
			7VF150024	7VF150025	7VF150025	7VF150025	7VF150025	7VF150025	7VF150025
Phase			Three phases						
Power	HP	80	82	84	86	88	90	92	
COOLING MODE									
Rated power*	kW	224.00	229.50	235.00	240.50	246.00	252.50	259.00	
Rated power input	kW	66.47	70.01	73.55	77.10	80.64	83.15	85.66	
Max. power input	kW	115.64	118.55	121.46	124.37	127.28	128.27	129.26	
Rated current	A	112.21	118.19	124.18	130.16	136.14	139.75	143.37	
Max. current	A	185.20	190.81	196.42	202.03	207.64	209.85	212.06	
EER		3.37	3.28	3.19	3.12	3.05	3.04	3.02	
SEER		6.75	6.54	6.54	6.54	6.54	5.83	5.83	
Seasonal operating limits		267	259	259	259	259	230	230	
HEATING MODE									
Rated power*	kW	224.00	229.50	235.00	240.50	246.00	252.50	259.00	
Rated power input	kW	58.64	62.62	66.59	70.57	74.55	75.34	76.13	
Max. power input	kW	98.80	99.79	100.78	101.78	102.77	107.48	112.18	
Rated current	A	98.99	105.71	112.42	119.13	125.85	127.19	128.52	
Max. current	A	164.50	166.15	167.81	169.46	171.11	178.95	186.79	
COP		3.82	3.67	3.53	3.41	3.30	3.35	3.40	
SCOP		4.20	4.20	4.20	4.20	4.21	4.17	4.17	
Seasonal operating limits		165	165	165	165	165	164	164	
POWER SUPPLY									
Phase/Voltage/Frequency			3P/380~415V/50-60Hz						
PERFORMANCE									
Airflow (HS)		m³/h	68000	69000	70000	71000	72000	72000	72000
Sound pressure	Cooling mode	dB(A)	67	67	67	67	67	67.5	67.5
	Heating mode	dB(A)	67	67	67	67	67	67.5	67.5
Sound power level (HS)		dB(A)	94	95	95	96	96	96	96
INSTALLATION									
Outline dimensions (WxHxD)		mm	1410x1690x750 + 1410x1690x750 + 1410x1690x750 + 1410x1690x750						
Package dimensions (WxHxD)		mm	1485x1858x850 + 1485x1858x850 + 1485x1858x850 + 1485x1858x850						
Net weight/Gross weight		kg	385/410 + 385/410 + 385/410 + 385/410						
Compressor	Type		Scroll DCI						
	Brand		Mitsubishi Electric						
	Number of compressors		8						
Refrigerant/GWP			R410A/2088						
Charge		kg	40						
Liquid pipe diameter		inches	7/8"			1"			
Suction pipe diameter		inches	1"3/4			2"			
Max. length		m	1000						
Max. length (equivalent/actual)		m	260/220						
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90						
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40						
Max. height between indoor units ⁽³⁾		m	30						
Standard height between indoor units ⁽⁴⁾		m	18						
External static pressure		Pa	110						
Indoor/outdoor unit power ratio (min./max.)		%	50~130						
Maximum number of connectable indoor units		quantity	64						
OPERATING LIMITS									
Cooling mode (min./max.)		°C	-5~52						
Heating mode (min./max.)		°C	-27~21						

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).

TECHNICAL DATA FOR FOUR COMBINATIONS

MODEL			VVTA-2665R	VVTA-2720R	VVTA-2775R	VVTA-2830R	VVTA-2885R	VVTA-2940R
COMBINATIONS			VVTA-680R	VVTA-680R	VVTA-735R	VVTA-735R	VVTA-735R	VVTA-735R
			7VFI50026	7VFI50026	7VFI50027	7VFI50027	7VFI50027	7VFI50027
			VVTA-680R	VVTA-680R	VVTA-680R	VVTA-735R	VVTA-735R	VVTA-735R
			7VFI50026	7VFI50026	7VFI50026	7VFI50027	7VFI50027	7VFI50027
			VVTA-680R	VVTA-680R	VVTA-680R	VVTA-680R	VVTA-735R	VVTA-735R
			7VFI50026	7VFI50026	7VFI50026	7VFI50026	7VFI50027	7VFI50027
			VVTA-615R	VVTA-680R	VVTA-680R	VVTA-680R	VVTA-680R	VVTA-735R
		7VFI50025	7VFI50026	7VFI50026	7VFI50026	7VFI50026	7VFI50026	7VFI50027
Phase			Three phases					
Power		HP	94	96	98	100	102	104
COOLING MODE								
Rated power*		kW	265.50	272.00	277.50	283.00	288.50	294.00
Rated power input		kW	88.17	90.68	104.76	118.84	132.92	147.00
Max. power input		kW	130.25	131.24	136.23	141.22	146.21	151.20
Rated current		A	146.98	150.60	172.19	193.78	215.37	236.96
Max. current		A	214.27	216.48	224.27	232.06	239.85	247.64
EER			3.01	3.00	2.65	2.38	2.17	2.00
SEER			5.83	5.83	4.90	4.90	4.90	4.90
Seasonal operating limits			230	230	193	193	193	193
HEATING MODE								
Rated power*		kW	265.50	272.00	277.50	283.00	288.50	294.00
Rated power input		kW	76.92	77.71	84.54	91.36	98.18	105.00
Max. power input		kW	116.89	121.60	123.65	125.70	127.75	129.80
Rated current		A	129.86	131.20	142.71	154.23	165.75	177.26
Max. current		A	194.63	202.46	205.88	209.29	212.70	216.12
COP			3.45	3.50	3.28	3.10	2.94	2.80
SCOP			4.17	4.17	3.50	3.50	3.50	3.50
Seasonal operating limits			164	164	137	137	137	137
POWER SUPPLY								
Phase/Voltage/Frequency			3P/380-415V/50-60Hz					
PERFORMANCE								
Airflow (HS)		m³/h	72000	72000	73000	74000	75000	76000
Sound pressure	Cooling mode	dB(A)	68	68	68	68	68	68
	Heating mode	dB(A)	68	68	68	68	68	68
Sound power level (HS)		dB(A)	96	96	96	96	96	96
INSTALLATION								
Outline dimensions (WxHxD)		mm	1410x1690x750 + 1410x1690x750 + 1410x1690x750 + 1410x1690x750					
Package dimensions (WxHxD)		mm	1485x1858x850 + 1485x1858x850 + 1485x1858x850 + 1485x1858x850					
Net weight/Gross weight		kg	385/410 + 385/410 + 385/410 + 385/410					
Compressor	Type		Scroll DCI					
	Brand		Mitsubishi Electric					
	Number of compressors		8					
Refrigerant/GWP			R410A/2088					
Charge		kg	40					
Liquid pipe diameter		inches	1"					
Suction pipe diameter		inches	2"		2 1/8"			
Max. length		m	1000					
Max. length (equivalent/actual)		m	260/220					
Max. height between indoor and outdoor units (ODU down/up) ⁽¹⁾		m	110/90					
Standard height between indoor and outdoor units (ODU down/up) ⁽²⁾		m	50/40					
Max. height between indoor units ⁽³⁾		m	30					
Standard height between indoor units ⁽⁴⁾		m	18					
External static pressure		Pa	110					
Indoor/outdoor unit power ratio (min./max.)		%	50~130					
Maximum number of connectable indoor units		quantity	64					
OPERATING LIMITS								
Cooling mode (min./max.)		°C	-5~52					
Heating mode (min./max.)		°C	-27~21					

(1) If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.

(2) Standard design and production in the factory.

(3) If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.

(4) Standard design and production in the factory.

* All the specifications are tested under nominal condition as per Eurovent conditions (in cooling mode: indoor temperature is 27°C DB/19°C WB, outdoor temperature 35°C DB/24°C WB; in heating mode: indoor temperature is 20°C DB, outdoor temperature is 7°C DB/6°C WB).