

THE AIRWELL VRF SOLUTION

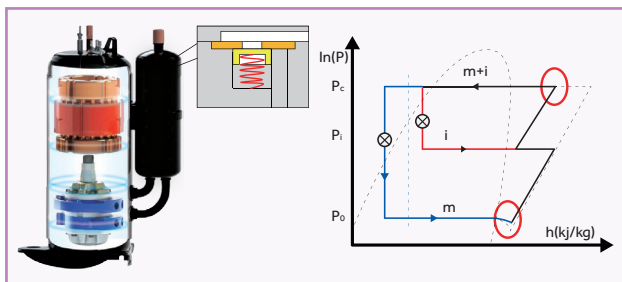


VVFA Compact VRF Range

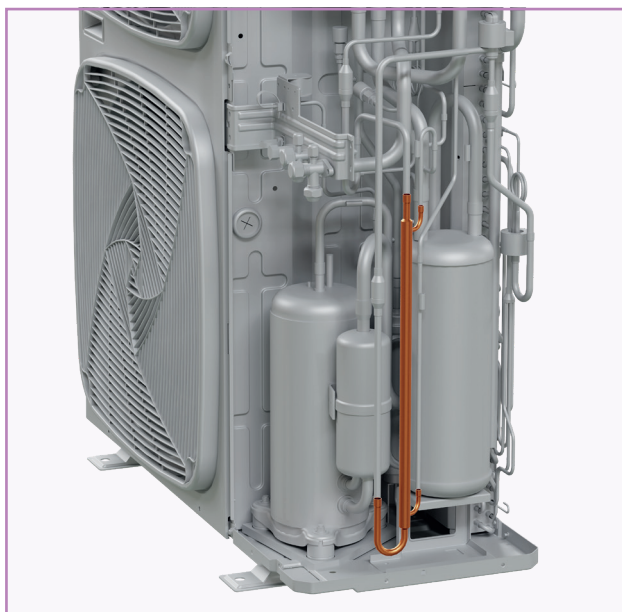
Our range of compact VRFs adapts perfectly to any type of installation, commercial or residential. The small dimensions offered by this range make it possible to considerably reduce handling operations, guaranteeing better adaptability in terms of installation (see installation characteristics).

► Twin rotary compressor

High efficiency compressor offering top performance with minimum vibration and reduced energy consumption.



► Two-stage subcooler



► DC Inverter fan motor



► Charging valve

► Eurovent certified



► Nsc up to 337% or SEER 8.5

COMPATIBLE



COMPATIBLE





VRF
Outdoor units



COMPATIBLE



COMPATIBLE



+ PRODUCT

- DC Inverter rotary compressor
- DC Inverter fan motor
- Integrated Human Machine Interface (HMI)
- Reduced dimension



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 ACI. Check ongoing validity of certificate:

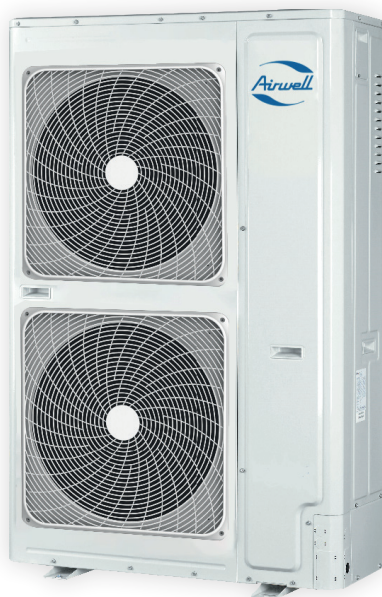
www.eurovent-certification.com



- All models are Eurovent certified, except VVFA080.

VVFA

2-pipes - Front discharge system



THE + “SUSTAINABLE DEVELOPMENT”

- > Low consumption and optimized regulation for greater energy savings.

THE + “USER”

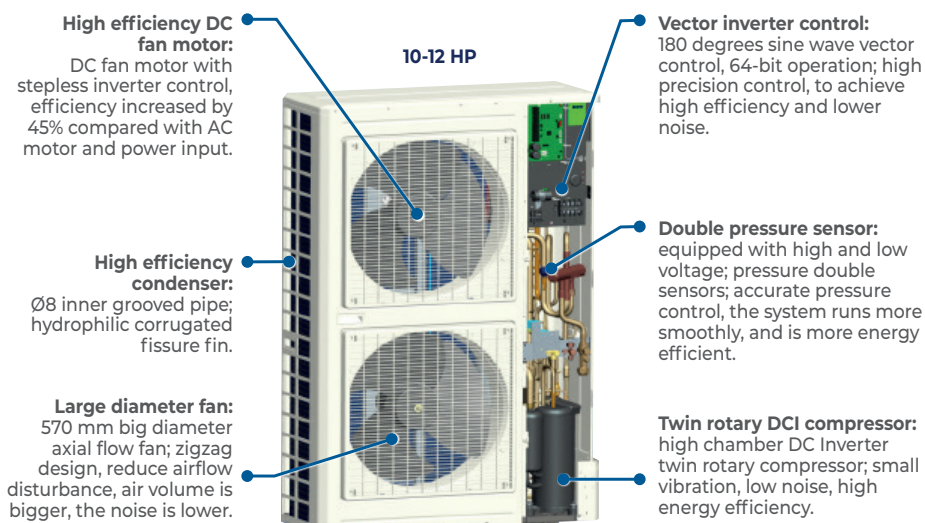
- > Mode locking.
- > Centralised management.

THE + “INSTALLER”

- > Up to 300 m of refrigeration network and 50 m of height difference.
- > Access to all parameters via the HMI (Human Machine Interface) for easier maintenance.

THE + “TECHNOLOGY”

- > Up to 16 indoor units, performance certified by Eurovent* (8,10,12 HP).
- > Compatible with AirConnect Pro and AirConnect Smart.



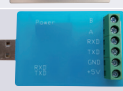



TECHNICAL DATA

MODEL		VVFA-125R-01M22	VVFA-150R-01M22	VVFA-150R-01T32	VVFA-220R-01T32	VVFA-280R-01T32	VVFA-335R-01T32	
Part number		7VF150004	7VF150005	7VF150006	7VF150007	7VF150008	7VF150009	
Phase		Single phase			Three phases			
Power		HP	4	6	6	8	10	12
COOLING MODE								
Rated power*		kW	12.10	15.50	15.50	22.60	28.00	31.50
Rated power input		kW	3.61	5.17	5.17	6.95	8.67	11.52
Rated current		A	17.28	24.72	8.26	11.42	14.24	19.03
Max. current		A	34.10	36.90	12.30	19.00	23.80	25.40
EER			3.35	3.00	3.00	3.25	3.23	2.73
SEER			6.82	6.80	6.80	7.67	7.65	7.47
Seasonal operating limits		%	269.80	269.00	269.00	303.80	303.00	295.80
HEATING MODE								
Rated power*		kW	14.20	18.00	15.50	22.60	30.50	31.50
Rated power input		kW	3.23	5.00	5.00	5.79	8.03	8.49
Rated current		A	15.44	23.92	8.00	9.52	13.18	14.02
Max. current		A	32.70	35.50	11.90	18.00	22.60	24.20
COP			3.75	3.10	3.10	3.90	3.80	3.71
SCOP*			4.05	4.05	4.05	4.05	4.16	4.21
Seasonal operating limits		%	159.00	159.00	159.00	159.00	163.40	165.40
POWER SUPPLY								
Phase/Voltage/Frequency			1P/220-240V/50-60Hz			3P/380-415V/50-60Hz		
PERFORMANCE								
Airflow (HS)		m ³ /h	7200			10000		
Sound pressure	Cooling mode	dB(A)	57	59	59	63	64	65
	Heating mode	dB(A)	57	59	59	65	66	67
INSTALLATION								
Outline dimensions (WxHxD)		mm	950x1350x370			1050x1636x400		
Package dimensions (WxHxD)		mm	1023x1420x471			1150x1790x510		
Net weight/Gross weight		kg	108/123			149/168		
Compressor	Type		Scroll DCI			Twin rotary DCI		
	Engine power	W	Mitsubishi Electric					
	Number of compressors		1					
Refrigerant/GWP			R410A/2088					
Charge		kg	4.00			5.10		
Liquid pipe diameter		inches	3/8"			3/8"	1/2"	
Suction pipe diameter		inches	5/8"			3/4"	7/8"	1 1/8"
Max. length		m	300					
Max. length (equivalent/actual)		m	175/150					
Max. height between indoor and outdoor units		m	50					
Max. height between indoor units		m	15					
Indoor/outdoor unit power ratio (min./max.)		%	50~130					
Maximum number of connectable indoor units		quantity	8	13	13	13	16	19
OPERATING LIMITS								
Cooling mode (min./max.)		°C	-5~50					
Heating mode (min./max.)		°C	-20~27					

* 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).

ACCESSORIES

ACCESSORY	PART NUMBER	REFERENCE	PHOTO	FUNCTION	COMMENT
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		• Refrigerant gathering	• 33,5 kW > Total indoor units power
	7ACFHH002	TAU506		• Refrigerant gathering	• 33,5 kW ≤ Total indoor units power < 50,6 kW
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		• RWV06 and RWV08 adaptor and ModBus/RTU gateway	• See configuration page 58
Maintenance tool	7ACELH014	TD02		• Working parameters monitoring and recording tool	
Smart Wi-Fi module	7ACEL1869	-		• Remote control by the smart Wi-Fi module and controlled by the AirConnect Smart application	• Dimension du module: 86x86x12 mm.