

THE VRF AIRWELL OFFER



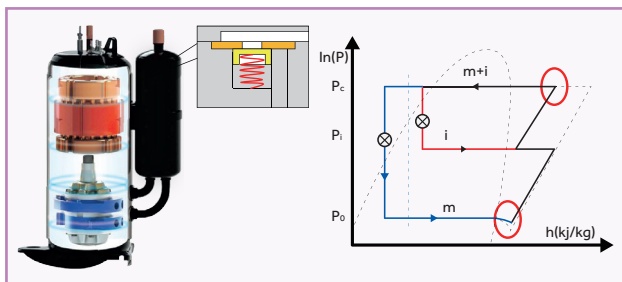
VVFA

Compact VRF Range

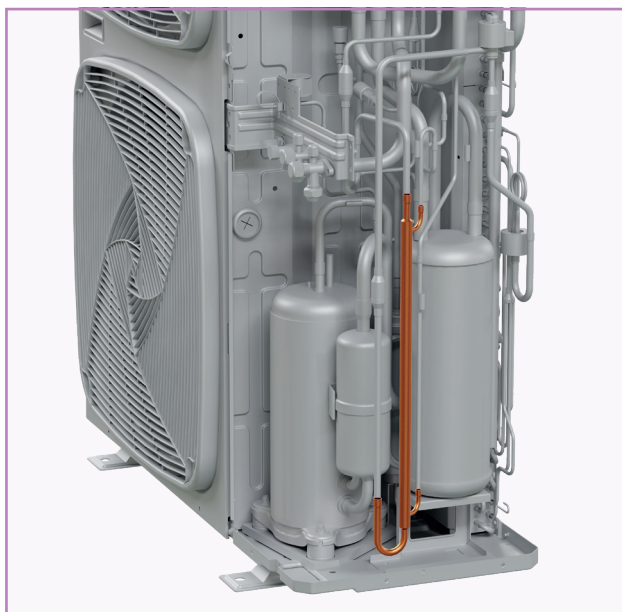
Our range of compact VRFs adapts perfectly to any type of installation, tertiary, store or residential. The small dimensions offered by this range make it possible to considerably reduce handling operations, guaranteeing better adaptability in terms of installation (see installation characteristics).

► Twin rotary compressor

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



► Two-stage subcooler



► DC Inverter fan motor



► Loading valve

► Eurovent certified



► Nsc up to 337% or SEER 8.5

COMPATIBLE



COMPATIBLE





VRF
Outdoor units

VVFA

2-pipes - Front discharge



COMPATIBLE



COMPATIBLE



+ PRODUCT

- DC Inverter rotary compressor
- DC Inverter fan motor
- Integrated 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.

THE « SUSTAINABLE DEVELOPMENT »

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

THE « USER »

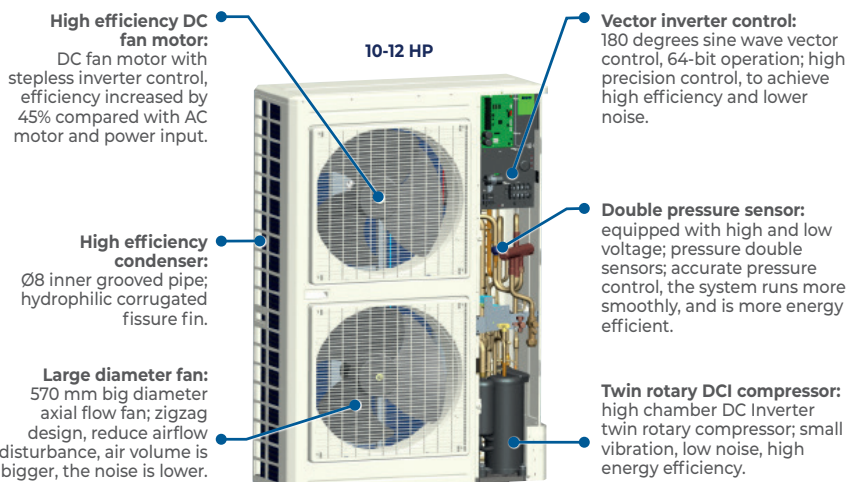
- > Mode locking.
- > Centralised management.

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).
- > Airconnect Pro: remote maintenance and management option.



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	Single phase	Three phases	Three phases	Three phases	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	2.99	4.31	4.31	6.46	8.75	10.16	
EER		4.05	3.60	3.60	3.50	3.20	3.10	
SEER		6.82	6.45	6.45	8.50	8.20	7.70	
Seasonal operating limits	%	269.8	255	255	337	325	305	
HEATING MODE								
Rated power*	kW	14.20	18.00	18.00	22.60	30.50	31.50	
Max. power	kW	-	-	-	25.00	32.00	35.00	
Rated power input	kW	3.18	4.39	4.39	5.79	8.03	8.51	
COP		4.47	4.10	4.10	3.90	3.80	3.70	
SCOP*		3.92	3.8	3.8	5.00	4.80	4.70	
Seasonal operating limits	%	153.8	149	149	197	189	185	
POWER SUPPLY								
Phase/Voltage/Frequency		1P/220-240V/50-60Hz			3P/380-415V/50-60Hz			
INSTALLATION								
Dimensions (HxLxP)	Unit	mm	950x370x1340	950x370x1340	950x370x1340	1050x400x1636	1050x400x1636	1050x400x1636
	Shipping	mm	1023x471x1420	1023x471x1420	1023x471x1420	1150x510x1790	1150x510x1790	1150x510x1790
Net weight/Gross weight		kg	108/123	108/123	108/123	149/168	149/168	149/168
Compressor	Type		Rotary	Rotary	Rotary	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
	Engine power	W	4130	4130	4060	6270	6270	6270
	Number of compressors		1	1	1	1	1	1
Airflow (HS)		m³/h	7200	7200	7200	10000	10000	10000
Sound pressure	Cooling mode	dB(A)	57	59	59	63	64	65
	Heating mode	dB(A)	57	59	59	65	66	67
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Charge	kg	4.00	4.00	4.00	5.10	5.10	5.10	
PIPE LINE								
Liquid pipe diameter		inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Suction pipe diameter		inches	5/8"	5/8"	5/8"	3/4"	7/8"	1"1/8"
Max. length		m	300	300	300	300	300	300
Max. length (equivalent/actual)		m	175/150	175/150	175/150	175/150	175/150	175/150
Max. height between indoor and outdoor units		m	50	50	50	50	50	50
Max. height between indoor units		m	15	15	15	15	15	15
Indoor/outdoor unit power ratio (min./max.)		%	50-130	50-130	50-130	50-130	50-130	50-130
Maximum number of connectable indoor units		quantity	8	13	13	13	16	19
OPERATING LIMITS								
Cooling mode (min./max.)		°C	-5/50	-5/50	-5/50	-5/48	-5/48	-5/48
Heating mode (min./max.)		°C	-20/27	-20/27	-20/27	-20/27	-20/27	-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 <?>
Maintenance tool	7ACELH014	TD02		• Working parameters monitoring and recording tool	
Smart WiFi module	7ACEL1869	-		• Remote control by the smart WiFi module and controlled by the AirConnect Smart application	• Module dimensions: 86x86x12 mm.

GRUPE AIRWELL

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