

VALENT ROOFTOP UNITS

ELEVATED CAPABILITIES AND PERFORMANCE

Valent rooftop units (RTUs) solve today's design challenges of increased efficiency and indoor air quality demands through a revolutionary approach to temperature and humidity control. With many value-added features included as standard like inverter scroll compressors and direct-drive fans, Valent RTUs are designed to operate efficiently while delivering comfortable ventilation air.

OUTDOOR AIR EXPERTS

- Valent RTUs build on years of high outdoor air applications expertise
- Products designed to work seamlessly together to support project needs

ROBUST DESIGNS

- Valent RTUs are built with features found in premium rooftop equipment at an affordable price point
- Affordable quality and high-value features you expect from Valent

AIRFLOW	COOLING	HEATING	EFFICIENCY	CONSTRUCTION
<ul style="list-style-type: none"> ▪ 500–13,000 cfm ▪ Mixed air applications 	<ul style="list-style-type: none"> ▪ 3–30 tons ▪ Packaged DX or air-source heat pump 	<ul style="list-style-type: none"> ▪ 50–600 MBh ▪ Indirect gas, air-source heat pump, electric 	<ul style="list-style-type: none"> ▪ Inverter scroll compressors ▪ EC condenser fans ▪ Direct-drive fans 	<ul style="list-style-type: none"> ▪ Fully insulated ▪ Injected foam ▪ Pre-painted exterior

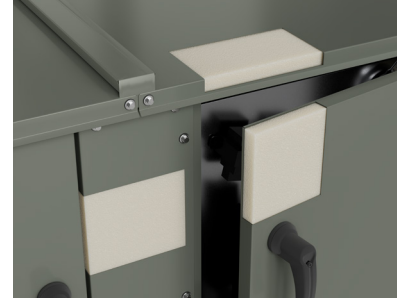


Shown here: VR-400

INDUSTRY-LEADING STANDARD FEATURES

ROBUST CONSTRUCTION

- Injected foam insulation, including the base, keeps treated air in
- Durable pre-painted exterior and rugged handles for easy access



EXPANDED PERFORMANCE

- Direct-drive fans offer a wider performance range and higher static pressures to optimize RTU performance
- Fan motors are coupled with VFDs to allow for modulation and expanded controllability

EFFICIENT COMPONENTS

- Inverter scroll compressors offer true modulation, saving energy at part load operation
- Air-source heat pumps meet decarbonization goals while efficiently heating and cooling



OPTIMIZED OPERATION

- EC condenser fan motors modulate to control head pressure for hot gas reheat performance and improve part load efficiency

SUPERIOR COMFORT AND CONTROL

- Valent RTUs leverage knowledge gained from years of controls engineering to provide specific defaults and sequences tailored for rooftop equipment



PERFORMANCE DATA

CABINET	AIRFLOW (cfm)	COOLING CAPACITY (tons)	HEATING CAPACITY (MBh)	ELECTRIC HEAT (460V kW)	DIMENSIONS (inches)		
					L	W	H
VR-100*	500 - 2000	3 - 5	50 - 150	10, 25, 40	90	40	42
VR-200*	1250 - 4000	6 - 10	75 - 250	25, 40, 60	100	55	48
VR-300	2000 - 7900	10 - 17.5	200 - 400	30, 60, 90	100	70	71
VR-400	3500 - 13000	17.5 - 30	250 - 600	60, 80, 140	130	84	77

*Final performance and design parameters to be determined prior to launch in 2025.



OUTDOOR AIR EXPERTS | ROBUST DESIGNS | DEDICATED SUPPORT

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