

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, dehumidified air.

OUTDOOR AIR EXPERTS

- Valent RTUs build on our years of outdoor air expertise, delivering a solution for mixed air applications
- Products designed to work seamlessly together to support project needs

ROBUST DESIGNS, AFFORDABLE QUALITY

- Affordable quality and high-value features you expect from Valent
- Valent RTUs are engineered to meet dehumidification needs and occupant expectations

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, electric, air-source heat pump 	<ul style="list-style-type: none"> ■ Inverter scroll compressors ■ EC condenser fans ■ Direct-drive fans 	<ul style="list-style-type: none"> ■ Fully insulated, including base ■ Injected foam ■ Pre-painted exterior



Shown here: VR-400 and VR-200

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 during part load operation
- All-electric 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 – 2,000	3 – 5	50 – 150	10, 25, 40	90	40	42
VR-200	1,200 – 5,000	6.5 – 10	100 – 300	25, 40, 60	100	60	49
VR-300	2,000 – 7,900	10 – 17.5	200 – 400	30, 60, 90	100	70	75
VR-400	3,500 – 13,000	17.5 – 30	250 – 600	60, 80, 140	130	84	82

*Final performance and design parameters to be determined prior to launch, planned in 2026.



OUTDOOR AIR EXPERTS | ROBUST DESIGNS | DEDICATED SUPPORT

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