

The VPR-450 from Valent is a high-percentage outdoor air rooftop ventilator with 50-80 tons packaged air-cooled refrigeration.

### Premium quality construction

- 2" polyurethane foam-injected double-wall panels and access doors along with a 1" foam-injected floor provide a thermally-efficient and quiet platform
- Integral top-mounted U-bolt lifting system for safe and secure transport
- Stainless steel drain pan in support of IAQ measures
- Stainless steel heat exchanger tubes for years of trouble-free service (when equipped with IG furnace)
- Direct-drive plenum fans with 12-bladed aluminum wheels for efficient air movement and low vibration characteristics
- Supply air discharge and return air intake connections available vertically or horizontally for added flexibility

### Comprehensive product design

- Factory piped, charged, and tested air-cooled refrigeration system with R-410A refrigerant for reliable start-up in the field
- 460/3/60, 230/3/60, and 208/3/60 power with factory provided and tested single point wiring for limited field wiring

- Supply air discharge and return air intake connections available both vertically or horizontally for added flexibility
- Direct-drive fans with factory provided, mounted, wired, and tested VFD's for simple balancing and/or VAV control
- Standard microprocessor controls package supplied, wired, programmed, and fully-tested for trouble-free stand-alone or integrated operation

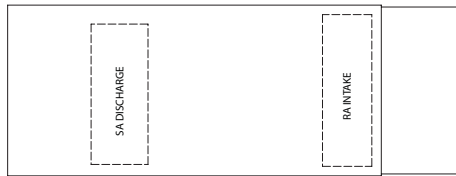
### Powerful microprocessor controls package

- Standard discharge air control sequences with or without space temperature and humidity reset functionality designed with occupant comfort in mind
- Optional variable air volume sequences available for added flexibility
- Optional demand-control sequence available to reduce outdoor air volumes and lower energy consumption
- BACnet IP, BACnet MSTP, or LonTalk communication available for seamless building integration

Specifications	VPR-450			
<b>Cooling</b>				
Nominal tonnage (tons)	50	60	70	80
Circuits - Stages/circuit - Total stages	2 - 2 - 4	2 - 2 - 4	2 - 2 - 4	2 - 2 - 4
<b>Airflow</b>				
Volume <sup>1</sup> minimum (cfm)	6,500	7,800	9,100	10,400
Volume <sup>1</sup> maximum (cfm)	20,000	24,000	28,000	32,000
External static pressure maximum (in. wg)	3.0	3.0	3.0	3.0
<b>Heating</b>				
Indirect gas minimum (mbh)	800	800	800	800
Indirect gas maximum (mbh)	1100	1100	1100	1100

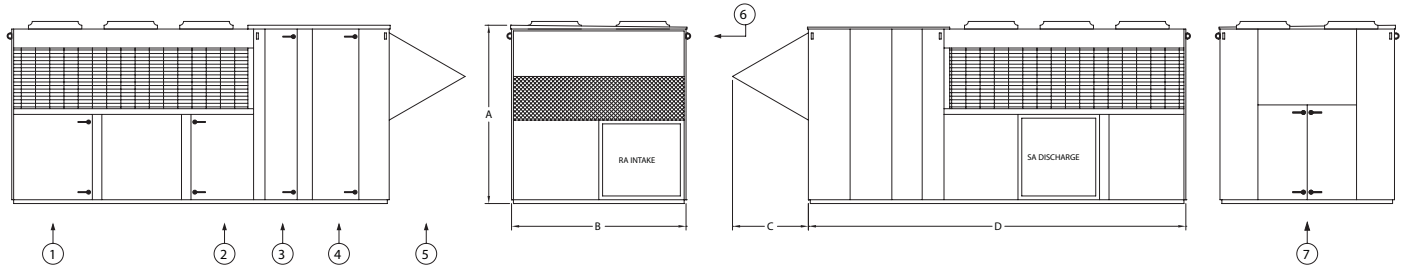
<sup>1</sup> Volumes shown are based on fan performance and not cooling capacity. When designing for 100% outdoor air applications, size unit for approximately 150 cfm/ton.

**VPR-450 Casing, continued**



**Notes:**

- 1. Electrical panel access door
- 2. Supply fan access door
- 3. Evaporator coil access door
- 4. Supply air filter access door
- 5. Outdoor air intake hood with birdscreen
- 6. Lifting lug (typ. of 6)
- 7. Compressor access door



**Specifications**

	VPR-450			
Cooling				
Nominal tonnage (tons)	50	60	70	80
A (in)	94			
B (in)	97			
C (in)	39			
D (in)	199			
Nominal weight (lbs)	6500	7000	7500	8000