



®

# VPACT3S

VALUE LINE PACKAGED AIR-COOLED 3.5 HP SINGLE CIRCUIT SCROLL WITH TANK

## DIMENSIONAL DRAWINGS

The drawings show the following dimensions and features:

- Top View:** Overall width is 34". Condenser coil diameter is 36". Total height from base to top is 38". Control panel is located 36" from the base. A 1/2" elect. knockout is typically 2 per unit.
- Left Profile:** Shows air flow direction, chilled fluid inlet and outlet ports, and the unit is mounted on wheels.
- Front View:** Overall height is 46 1/4". Condenser coil height is 36". Base height is 7 1/2". Width is 24". A 5" gap is shown between the base and the condenser coil. Labels include MICRO-PROCESSOR, CONTROL PANEL ACCESS DOOR, and FRONT.

LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
38"	34"	46.25"	300 LBS	13 GAL.	1" F-NPT

## PRODUCT PERFORMANCE INFORMATION

REFRIGERANT	COMPRESSOR OPER. SUCTION TEMP. RANGE	LFT °F	80°F AMB		90°F AMB		95°F AMB		100°F AMB		105°F AMB	
			TONS	EER	TONS	EER	TONS	EER	TONS	EER	TONS	EER
R407C	25°F to 55°F	35	2.3	9.2	2.1	7.7	2.0	7.0	1.9	6.4	1.9	5.9
		45	2.8	11.2	2.7	9.5	2.6	8.8	2.5	8.0	2.4	7.4
		55	3.5	13.5	3.3	11.5	3.2	10.6	3.1	9.7	2.9	9.0
		65	4.2	15.9	4.0	13.7	3.8	12.6	3.7	11.7	3.6	10.7
R404A	-10°F to 45°F	0	1.5	5.4	1.3	4.4	1.2	4.0	1.2	3.5	1.1	3.1
		10	1.8	6.5	1.7	5.4	1.6	4.9	1.5	4.4	1.4	3.9
		25	2.5	8.4	2.3	7.0	2.1	6.4	2.0	5.8	1.9	5.2
		40	3.2	10.4	2.9	8.7	2.8	8.0	2.7	7.3	2.5	6.6
		55	4.0	12.5	3.7	10.6	3.5	9.7	3.4	8.9	3.2	8.1

**DRAKE REFRIGERATION INC**  
 2900 SAMUEL DRIVE  
 BENSLEM, PA 19020  
 (888) 289-7299  
[www.drakechillers.com](http://www.drakechillers.com)

\*ALL INFORMATION **FOR REFERENCE ONLY**



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STANDARD FEATURES	
FEATURE	BENEFIT
Listings	ETL 3046941, UL STD 1995, CAN/CSA STD, C22.2 No. 236
Microprocessor Control	Stand alone, simple, accurate control with over 10 years of field testing
Stainless Steel Brazed Plate Evaporator	Corrosion resistant evaporator wrapped in closed cell insulation
Copeland Scroll Compressor	Industry leader, long lasting compressor
Compressor Crankcase Heater	Prevents compressor damage caused by cold refrigerant on startup
Suction Accumulator	Protects the compressor from damage caused by liquid flood back by preventing liquid from entering the compressor
Water Flow Switch	Protects against process fluid freezing caused by fluid pump failure
Hot Gas Bypass	Aids in the prevention of evaporator freeze ups and capacity control
Copper Tube/Aluminum Fin Condenser	Rust resistant and high CFM
Painted Galvanized Steel Metal Cabinet	Sturdy, corrosion resistance, professional appearance
Insulated Process Fluid Lines	Maximum thermal efficiency
Factory Tested	Ensures the unit meets the customer's performance designed criteria and arrives in working order
Full Refrigerant Charge	Hassle free and more efficient installation
Polyethylene Storage Tank	Closed cell insulation for increase temperature control with reliable, corrosion resistant, stainless steel recirculation pump
NEMA 3R Rated Electrical	Indoor/outdoor use

AVAILABLE OPTIONS	
OPTIONS	AVAILABLE
Controls	BMS, BAS communications, remote access, monitoring services
Extended Warranty	4 year extended compressor warranty
Electrical	Compressor fusing, phase monitors, disconnects and more
Stainless Steel Pumps	1/3 HP to 25 HP on board pumps in multiple configurations & options
Fluid Piping Upgrades	Flow meters, pressure gauges, low flow bypass valves, and more
Coastal Protection/Hazardous Environments	Heresite coating, "Gold" and Copper condenser coils
Low Ambient Protection	Head pressure control for low ambient temperatures down to -20°F
Other	Tank sight glass, city water recovery, low liquid level alerts, etc.

*More options and customization available, contact factory for information: (888) 289 - 7299*

AVAILABLE MODEL NUMBER VOLTAGE REFERENCE	
S2 (208-230/1/60)	--- T3 (208-230/3/60) --- T4 (460/3/60) --- T5 (575/3/60)

PRODUCT INFORMATION												
MODELS AVAILABLE		COMPRESSOR			FAN MOTOR		CHILLER PUMP		RLA EA	LRA EA	MCA	MOP
R407C	R404A	MODEL	QTY	HP	QTY	FLA EA	HP	FLA EA				
		ZB26KCE	1	3.5	1	3.3	1	8.4	20.7	127	40	55
	VPACT3S3-S2-Z					3.3		8.4	13.9	88	30	40
	VPACT3S3-T3-Z					1.6		2	7.1	44	15	15
	VPACT3S3-T4-Z					1.72		1.6	5	34	10	10
		ZB26KCE	1	3.5	1	3.3	1	8.4	23.6	127	45	60
	VPACT3S6-S2-Z					3.3		8.4	13.2	88	30	40
	VPACT3S6-T3-Z					1.6		2	6.4	44	15	15
	VPACT3S6-T4-Z					1.72		1.6	5.7	34	15	15

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