

AIRPAC VERTICAL PACKAGED SERIES - SCAVPAC

36,000 to 120,000 BTU/h

VERTICAL SERIES

SCAV36, SCAV60 VU036, VU060
SCAV72, SCAV96 VU072, VU096
SCAV120 VU120

*Self-contained, air cooled
vertical packaged air
conditioning systems.*

**AirPac units are compact and fit
where others can't.**

- Convertible discharge offers flexibility.
- All units fit through a 32" doorway.

**Versatile units adapt to your
application to save you money.**

- Self-sealing refrigeration valves mean you won't lose the factory charge when splitting units in the field.
- Duct runs can be minimized – condenser and evaporator can be split up to 150' equivalent lengths.
- External static pressure is adjustable from 0.1" to 1.0" on both the evaporator and condenser with oversized blowers, cast iron pulleys and adjustable motor sheaves.
- 24 VAC control circuit with oversized transformer works with a variety of thermostats.

**Quality components and
construction ensure safety and
extend equipment life.**

- Full stainless steel condensate pan will not rust.
- Condensate carry-over is greatly reduced since all coils have an oversized face area.
- Refrigeration circuit is protected by high and low pressure safety switches and a filter drier in each circuit.
- All models are approved by ETL, City of New York MEA and comply with Chicago Code, when specified.



Units are quiet when operating.

- Acoustic and thermal protection result from vapor sealed bottom pans and fully insulated cabinets.
- Motor/blower vibration is greatly reduced by mounting motors on adjustable motor mounts.
- Quiet operation is ensured since compressors are externally spring mounted with discharge mufflers.

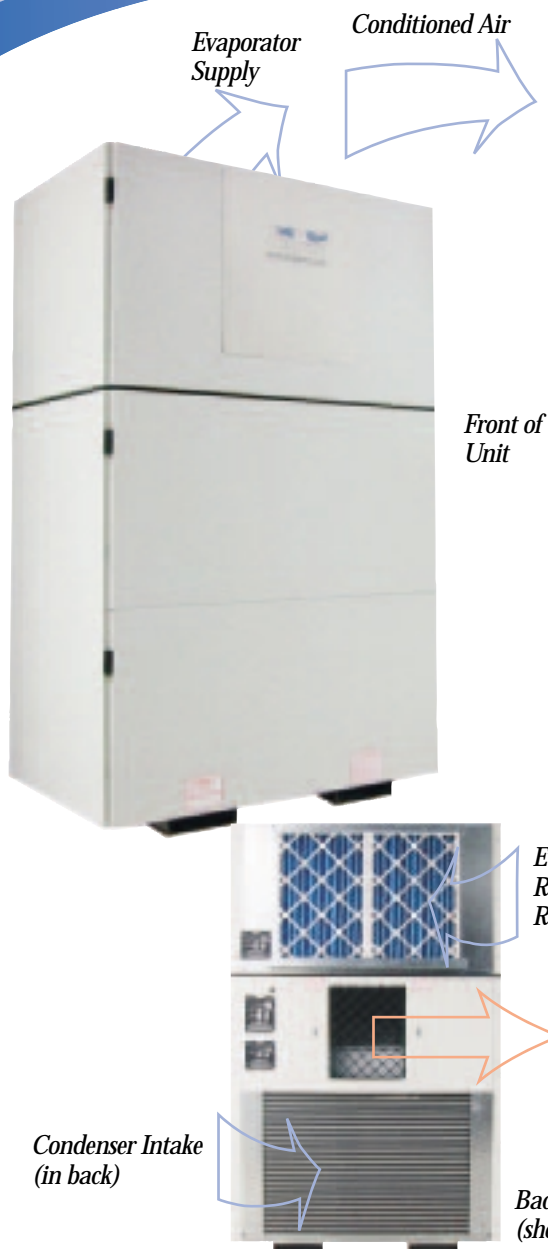
Service is easy.

- Units can be serviced easily with removable compartment panels.
- No guess work about the refrigeration charge or moisture level when using the sight glass and moisture indicator in each circuit.
- Service calls are reduced and equipment life extended with inherently protected motors and compressors.

SCAV72
SCAV96
SCAV120

*The slim ScavPac fits
into tight spaces. Ideal
for both retrofit and new
construction, the
ScavPac series cools:*

- Mid- to High-rise Buildings
- Schools and offices
- Computer Rooms & Telecom Rooms
- Laboratories
- Stadiums and Arenas
- Warehouses and Factories



Features and Benefits of Vertical Series

Cabinet depths of 28-1/2" and less.

AirPac units fit where others can't. All units fit through 32" doorway.

Forklift pockets.

Make it easy to handle the unit from warehouse to jobsite.

Removable compartment panels.

Completely accessible, making service easy.

ETL listed and labeled. MEA approval 141-91-E.

Ensures user safety.

Field splittable in minutes with no loss of factory charge.

Adaptable unit saves time and money on the install.

Convertible evaporator discharge.

Ensures flexible applications.

Completely insulated evaporator and condenser sections with 18 gauge galvanized minimum.

Provide acoustic and thermal protection.

Full stainless steel condensate pan.

Condensate pan will not rust or degrade.

Oversized face area on all coils.

Eliminates condensate carry-over and allows for higher sensible heat ratio.

Oversized belt driven ball-bearing centrifugal blowers, cast iron pulleys, and adjustable motor sheaves.

Flexible field adjustable ESP from 0.1" to 1.0" on both the evaporator and condenser with standard motors and blowers.

Motors are mounted to blowers in the evaporator on the 6-, 8- and 10-Ton and to the blowers in the condenser in the 3- and 5-Ton.

Easier to service.

Inherently protected motors and compressors.

Reduce service calls and extend equipment life.

High and low pressure safety switches with lockout relay, loss of air flow switch, and filter drier in each circuit.

Protect the refrigeration circuit and ensure trouble-free operation.

All compressors externally spring mounted with discharge mufflers.

Ensure quiet operation.

Thermal expansion valve with external equalizer in each circuit.

Minimum superheat for each application. Prevents flooded evaporator coil on low load conditions.

Sight glass and moisture indicator in each circuit.

No need to guess about refrigeration charge or moisture level.

24 VAC control circuit with oversized transformer.

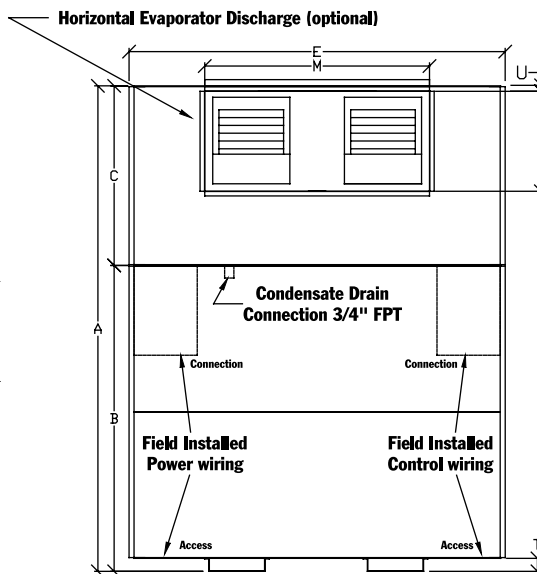
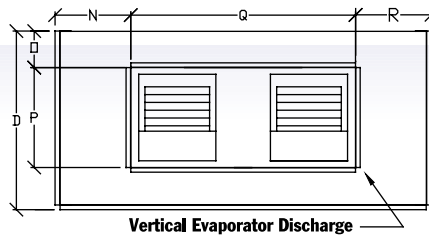
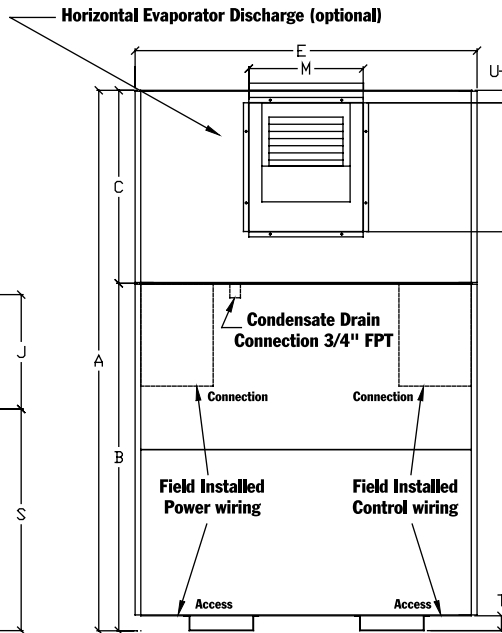
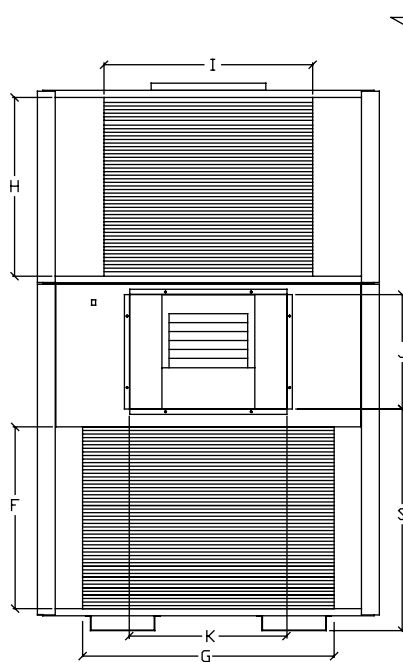
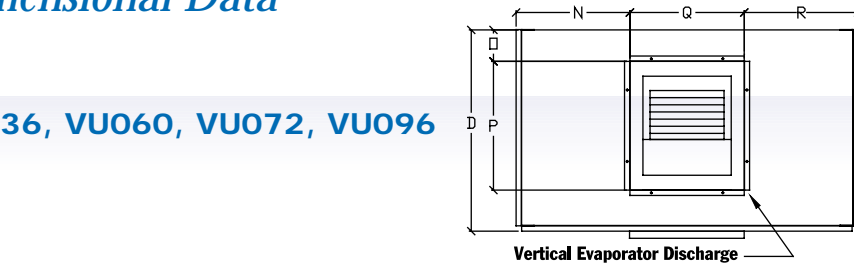
No high voltage thermostat wiring. Works with wide variety of thermostats.

Standard parts and components used.

Ease in finding replacement parts when necessary.

ScavPac 3-, 5-, 6-, 8- & 10-Ton Dimensional Data

VU036, VU060, VU072, VU096

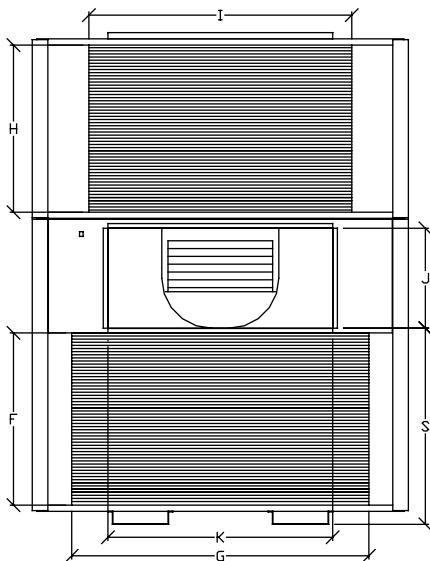


VU120

Weight (lbs)

VU036	VU072	VU096	VU120
580/650	960/1000	1230	

580/650 960/1000 1230



VERTICAL SERIES

Cabinet Dimensions (inches)

	VU036 VU060	VU072 VU096	VU120
* A	62-1/2	76	78-1/4
B	40	48-1/2	49
C	22	27	28-3/4
D	28	28	28-1/2
E	42	47-3/4	60-1/4

Cond Intake, height:

F	20-3/4	25-1/2	27-1/2
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Cond Intake, width:

G	30-1/4	35-1/4	47-1/2
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Evap Return, height:

H	19-1/2	25	26-3/4
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Evap Return, width:

I	21-1/2	29-1/4	42-1/8
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Cond Discharge, height:

J	14	16	16
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Cond Discharge, width:

K	18	22	36
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Evap Supply, height:

L	18	18	16
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Evap Supply, width:

M	14	16	36
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N	14	16	12-1/8
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O	6-3/4	4-1/2	6
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P	18	18	16
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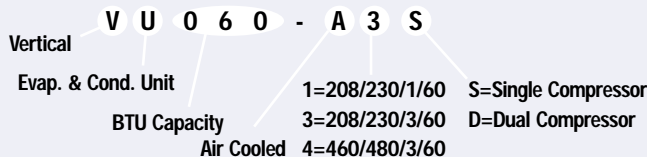
Q	14	16	36
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R	13-7/8	16	12-1/8
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S	24-3/4	31	31-1/4
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T	2	2	2
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* A includes allowance of 1/2" for closed cell foam.



Performance Data for ScavPac Series

Nominal Tons	Evaporator		Condenser		E.A.T.		75° Ambient		95° Ambient	
	CFM*	Fan Size	CFM*	Fan Size	DB	WB	Total	Sensible	Total	Sensible
3	1200	12 x 9	2000	12 x 9	86	72	46,000	30,000	42,500	29,800
					80	67	43,000	29,000	39,500	27,000
					75	62	41,000	28,000	35,000	24,800
5	2000	12 x 9	3100	12 x 9	86	72	74,000	51,000	68,000	46,600
					80	67	70,000	49,000	63,000	45,000
					75	62	65,000	47,000	58,000	43,600
6	2400	12 x 9	3800	15 x 9	86	72	89,000	66,000	80,000	58,000
					80	67	85,000	64,000	76,000	57,000
					75	62	81,000	62,000	72,000	56,000
8	3200	12 x 9	4250	15 x 9	86	72	115,000	86,000	101,000	75,000
					80	67	108,000	81,000	100,000	73,000
					75	62	105,000	79,000	94,000	71,000
10	4000	(2) 12 x 9	6000	15 x 15	86	72	148,000	107,000	132,000	95,000
					80	67	136,000	102,000	125,000	94,000
					75	62	127,000	101,000	115,000	92,000

*CFM field adjustable from 0.1" to 1.0" external static pressure.

Electrical Data for ScavPac Series Packaged Unit Installation

Nominal Tons	Model	Voltage	Compressor		Condenser Motor		Evaporator Motor		Main Circuit Ampacity	Max. Fuse Size
			LRA	RLA	HP	FLA	HP	FLA		
3	VU036-A1S	208/230/1/60	93	22.5	1.0	7.0	0.75	5.8	40.9	60
	VU036-A3S	208/230/3/60	110	14.3	1.0	3.1	0.75	2.5	23.5	35
	VU036-A4S	460/480/3/60	39	5.2	1.0	1.6	0.75	1.3	11.3	15
5	VU060-A3S	208/230/3/60	150	21.4	3.0	8.2	1.5	4.4	39.4	60
	VU060-A4S	460/480/3/60	62	8.8	3.0	4.1	1.5	2.2	18.3	25
6	VU072-A3D	208/230/3/60	110	12	2.0	6.0	2.0	6.0	39.0	50
	VU072-A4D	460/480/3/60	39	5.2	2.0	3.0	2.0	3.0	18.6	25
8	VU096-A3D	208/230/3/60	130	16.8	3.0	8.2	3.0	8.2	54.2	70
	VU096-A4D	460/480/3/60	45	6.3	3.0	4.1	3.0	4.1	26.7	35
10	VU120-A3D	208/230/3/60	150	12	5.0	14.0	3.0	8.2	70.4	90
	VU120-A4D	460/480/3/60	62	8.8	5.0	7.0	3.0	4.1	32.7	45

Electrical Data for ScavPac Series Split Unit Installation

Nominal Tons	Model	Voltage	Condensing Unit						Evaporator		
			Compressor		Condenser Motor		Min. Circuit Ampacity	Max. Fuse Size	Evaporator Motor		Max. Fuse Size
			LRA	RLA	HP	FLA			HP	FLA	
3	VU036-A1S	208/230/1/60	93	22.5	1.0	7.0	35.1	50	0.75	5.8	7.0
	VU036-A3S	208/230/3/60	110	14.3	1.0	3.1	21.1	35	0.75	2.5	3.0
	VU036-A4S	460/480/3/60	39	5.2	1.0	1.6	10.1	15	0.75	1.3	1.5
5	VU060-A3S	208/230/3/60	150	21.4	3.0	8.2	35.1	50	1.5	4.4	5.5
	VU060-A4S	460/480/3/60	62	8.8	3.0	4.1	16.1	25	1.5	2.2	2.5
6	VU072-A3D	208/230/3/60	110	12	2.0	6.0	33.0	40	2.0	6.0	7.5
	VU072-A4D	460/480/3/60	39	5.2	2.0	3.0	15.6	20	2.0	3.0	3.5
8	VU096-A3D	208/230/3/60	130	16.8	3.0	8.2	46.0	60	3.0	8.2	10.0
	VU096-A4D	460/480/3/60	45	6.3	3.0	4.1	22.6	30	3.0	4.0	5.0
10	VU120-A3D	208/230/3/60	150	12	5.0	14.0	62.2	90	3.0	8.2	15.0
	VU120-A4D	460/480/3/60	62	8.8	5.0	7.0	28.6	40	3.0	4.1	10.0

In the interest of product improvements, specifications are subject to change without notice. Current technical information available online or call 888-324-7722.



City of New York
MEA141-91-E

Meets City of Chicago
Code, when specified