

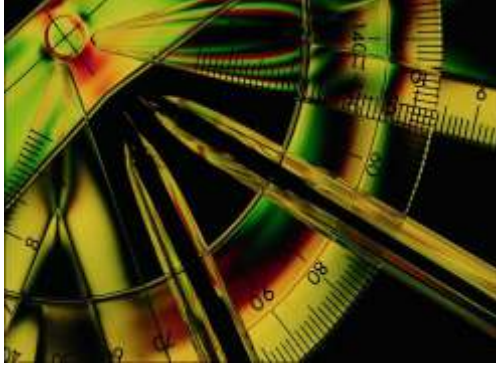
**“ETERNITY”  
WATER COOLED  
PACKAGE  
AIR-CONDITIONERS**



*Smartwise Innovations...  
Towards Green, Quality & Reliability Solutions*



SWPU SERIES



## INTRODUCTION

This series of Water Cooled Package Air-conditioners were developed by a group of industry engineers, each of them with over 20 years of experience in the design, manufacturing, installation and service of electric chillers, packaged air-conditioners, split air-conditioners, fancoils, air handling units, and related products.

- The Group is fully committed to innovative design, new and advance technology, value engineering and to provide expert personalized service to architects, consulting engineers, developers, building owners and contractors.
- The company's ability and courage to utilize and adopt latest technology, combined with fullest personalized assistance, has enabled the company to provide architects, consultants and developers various customized solutions to their various demanding application requirements.
- The company has the unique expertise and experience to custom design and fabricates equipment for installations in marine and corrosive environment, explosive and hazardous environment, low noise environment and any other special application needs!



- Extruded aluminium rigid structural framework
- Casing coated with oven-baked polyester paint to provide good corrosion resistance
- High efficiency TEFC motor and dynamically balanced and aligned drive package
- Class II AMCA certified blower with heavy duty pillow block bearings
- Hydrophilic coated evaporator coil to prevent moisture carry-over
- Internally lined with perforated GI liner to absorb noise
- Low vibration performance
- Low noise and proven high reliability
- Removable access panels
- Cleanable shell & tubes condensers
- No contact scroll design and suction cooled motor ensures long service life
- High efficiency hermetic scroll compressor

## ■ WATER COOLED PACKAGED AIRCONDITIONERS

### GENERAL DESCRIPTION

The Smartech "Eternity" line of Scroll Compressors Water-cooled Packaged air-conditioners ranging in capacity from 62,000 Btu/hr to 1,170,000 Btu/hr, offers Architects, Design Engineers, Developers and building owners a versatile, flexible and economical type of air-conditioning system for use in office buildings, factories, hospitals, supermarkets, shopping malls, etc; instead of the higher cost Central Chilled water Air-conditioning system, utilizing Chillers, Cooling towers, Air-handling units and Fancoils.

The Smartech "Eternity" SWPUs with its rigid double-wall casing construction, high efficiency hermetic scroll compressors, cleanable shell & tubes condensers, hydrophillic coated aluminium fins evaporator coil, Class II AMCA certified forward curved fan with heavy duty pillow block bearings, high efficiency TEFC motor and drive assembly, internal vibration isolators, balanced port design thermal expansion valves, factory prepiped and leak tested thick wall copper refrigerant pipings, factory prewired electrical and control panel, etc; are designed and manufactured to ensure efficient , reliable, low noise and low vibration performance.

### ■ Nomenclature

SWPU	200	P
SWPU Series Water Cooled Package Unit	Model Code Nominal Capacity (MBH)	-- R-22 Refrigerant P R-407c Green Refrigerant

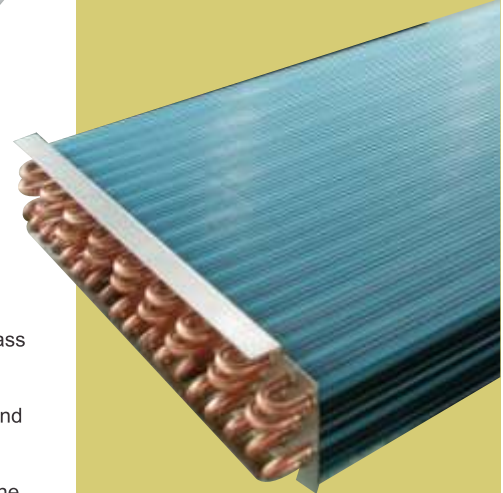




## FEATURES

### Casing

- The casing cabinetry consists of a rigid framework constructed from extruded aluminium structural section, locked together by cast aluminium corner jointing modules
- The double wall panels, with sandwiched polyurethane insulation between the walls are held tightly to the framework to form a rigid casing which reduces noise breakout from within the unit
- Selected double-wall panels near the Blower fan are insulated with 1<sup>2</sup>/<sub>3</sub> lbs density fiberglass and internally lined with perforated GI liner to absorb noise generated by the fan
- With double-wall construction, it is easy to clean the inner surfaces to reduce risk of dirt and bacteria contamination
- There is no erosion of internal insulation material which can contaminate the air-stream. The double-wall construction SWPU is ideal for clean room application, such as hospital, electronic factory, food processing and pharmaceutical factories
- Casing panels are aesthetically coated with oven-baked polyester paint to provide excellent finish and good corrosion resistance
- Removable access panels are provided for ease of access to critical parts and components for service and repair



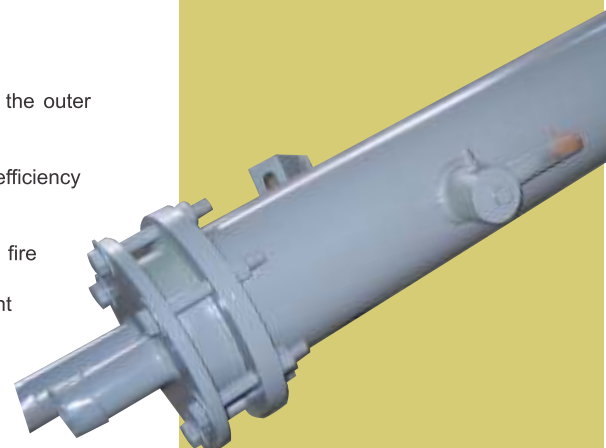
### Scroll Compressor

- Scroll hermetic type operating at 2950 rpm (50Hz)
- High efficiency (high EER), low noise and proven high reliability
- No contact scroll design and suction gas cooled motor ensure long service life
- With internal line break motor protector or solid state motor protector
- Unit with multiple compressors and multiple refrigerant circuits, besides providing for system redundancy, reduces current inrush during start-ups and by cycling on/off of multiple compressors to match building load, less energy is being used when room load requires lesser cooling capacity



### Cleanable Shell & Tubes Condenser

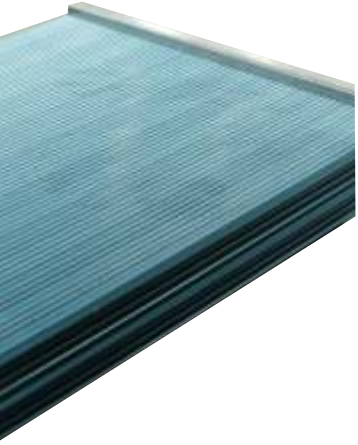
- Consists of outer carbon steel shell with internal bundle of copper finned tubes
- Water travels within the copper finned tubes while hot discharge gas envelopes the outer finned surface of the copper tubes before condensing to liquid
- Each condenser is built with integral sub-cooling chamber to maximize system efficiency
- Each condenser is provided with a fusible plug which melts when temperature reaches 175°F, releases system refrigerant gas and avoids explosion in case of fire
- Complete condenser is leaked and pressure tested on both water and refrigerant sides prior to assembly



## FEATURES (Continued)

### Evaporator Coil

- Constructed from staggered rows of copper tubes mechanically expanded into die formed aluminium fins
- The aluminium fins are precoated with low surface tension substance which speeds up the drainage of condensate, eliminates moisture carry-over, maintain the aluminium fins surface dry and clean, and prevent mould formation. The coating also improves the corrosion resistance of the aluminium fins and prevents oxidation of the aluminium surface, thus maintaining good heat rejection
- Only 4 rows deep coils are selected to ensure optimum heat transfer, no excessive air side pressure drops and good moisture removal. 3 rows or lesser rows deep coils are not good for moisture removal
- Coils are leak and pressure tested to 450 psig when immersed in water
- Complete coil is internally evacuated, dehydrated prior to assembly



### Blower Fan & Drive Package

- Fan is of Centrifugal forward curved design, with double inlet double width, AMCA certified, suitable for Class II operation
- Pillow block heavy duty bearings to ensure long operating life
- Single large diameter fan is used, to reduce noise level, eliminates the need for common transition piece and prevent air unbalance
- Complete fan-motor & drive package assembly is resiliently isolated from unit casing by either rubber grommet for model below 165 or spring vibration isolators for model 195 onward
- All fan wheels are statically and dynamically balanced to ISO1940 and AMCA-204-G2.5 Standard



### Control and Safety Protection

- Balanced port thermal expansion valve is provided for each refrigerant circuit to control liquid refrigerant flow while maintaining adequate suction superheat, over a wide variation of condensing head pressures
- High-low pressure cut-out to protect compressor against high discharge pressure and low refrigerant charge
- Liquid line filter drier to ensure system dryness and prevent acid formation



### Filters

- For unducted return air operation, 1" thick washable filters, of front loading type are provided. For ducted return air operation, separate side loading type filter rack can be provided.

### Optional Accessories

- Factory prewired starters and control panel including single or multi-steps thermostat and indicating lights
- 1" prefilters and 16" bag filters section
- Mixing Box section with fresh air and return air dampers
- Suction stop valves, discharge stop valves and liquid stop valves for each circuit
- R407C refrigerant



# PERFORMANCE TABLE



MODEL	STD CAPACITY MBH	kW INPUT	AIR ON EVAP.		WATER TEMPERATURE OFF CONDENSER - °F								
			STD CFM	WB TEMP. °F	80			95			110		
					TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW
SWPU 62S	62.0	3.4	2000	72	69.7	37.1	3.2	65.7	34.9	3.5	59.3	31.5	3.6
				67	66.6	49.4	3.1	62.0	46.0	3.4	58.7	43.6	3.6
				62	60.8	60.8	3.1	56.1	56.1	3.3	53.6	53.6	3.5
				57	53.6	53.6	3.1	49.6	49.6	3.3	47.1	47.1	3.5
SWPU 72S	72.0	3.7	2250	72	80.9	43.1	3.5	76.3	40.5	3.8	68.9	36.6	3.9
				67	77.3	57.3	3.4	72.0	53.4	3.7	68.2	50.6	3.9
				62	70.6	70.6	3.4	65.1	65.1	3.6	62.2	62.2	3.8
				57	62.2	62.2	3.4	57.6	57.6	3.6	54.7	54.7	3.8
SWPU 82S	82.0	4.2	2500	72	92.3	44.8	4.0	86.9	41.9	4.3	75.5	39.8	4.4
				67	88.0	57.1	3.8	82.0	54.9	4.2	77.7	53.3	4.3
				62	80.3	68.6	3.8	74.2	66.1	4.1	70.9	64.3	4.3
				57	70.9	70.9	3.7	65.6	65.6	4.1	62.3	62.3	4.3
SWPU 100S	100.0	5.2	3200	72	112.5	60.0	4.9	106.0	56.4	5.3	95.7	53.3	5.5
				67	107.3	79.8	4.7	100.0	74.5	5.2	94.8	70.5	5.4
				62	98.0	97.3	4.7	91.7	91.2	5.0	86.5	86.5	5.3
				57	86.6	86.6	4.6	80.1	80.1	5.0	76.0	76.0	5.3
SWPU 124T	124.0	6.8	4000	72	139.7	74.5	6.4	131.5	70.2	6.8	124.0	66.2	7.2
				67	133.1	99.0	6.2	124.0	92.3	6.8	117.6	87.5	7.2
				62	121.6	120.7	6.1	113.8	113.0	6.7	107.4	107.4	6.9
				57	107.3	107.3	6.1	99.4	99.4	6.6	94.2	94.2	7.0
SWPU 130S	130.0	6.7	4000	72	146.3	78.4	6.4	137.8	73.8	6.9	130.0	69.6	7.2
				67	139.5	103.6	6.1	130.0	96.5	6.7	123.1	91.4	7.0
				62	127.3	126.2	6.1	119.2	118.2	6.6	112.4	112.4	6.9
				57	112.4	112.4	6.0	104.3	104.3	6.6	98.8	98.8	6.9
SWPU 144T	144.0	7.4	4500	72	162.0	76.4	7.1	152.6	71.9	7.6	144.0	67.9	8.0
				67	154.6	100.8	6.7	144.0	94.0	7.4	136.3	89.0	7.7
				62	141.0	122.9	6.7	132.0	115.0	7.3	124.5	109.4	7.6
				57	124.5	109.5	6.6	115.5	101.5	7.3	109.5	96.1	7.6
SWPU 150S	150.0	7.6	4500	72	168.8	79.6	7.3	159.0	74.9	7.8	150.0	70.7	8.2
				67	161.0	105.0	6.9	150.0	97.9	7.6	142.0	92.7	7.9
				62	146.9	128.0	6.9	137.5	119.8	7.5	129.7	114.0	7.8
				57	129.7	114.0	6.8	120.3	105.7	7.5	114.0	100.1	7.8
SWPU 164T	164.0	8.4	5200	72	184.3	105.3	8.0	173.7	99.1	8.6	163.9	93.3	8.9
				67	175.9	142.6	7.8	164.0	132.9	8.4	155.5	126.0	8.8
				62	160.5	160.5	7.7	150.4	150.4	8.2	141.8	141.8	8.6
				57	141.7	141.7	7.4	131.1	131.1	8.2	124.6	124.6	8.6

**Notes**

- 1) Total MBH - Rating are gross capacities, for net capacities, deduct evaporator blower motor heat.
- 2) Sensible MBH - Capacities are based on at 80°F (26.6°C) air on evaporator.
- 3) \*kW - Compressor kW input.

# PERFORMANCE TABLE



MODEL	STD CAPACITY MBH	kW INPUT	AIR ON EVAP.		WATER TEMPERATURE OFF CONDENSER - °F								
			STD CFM	WB TEMP. °F	80			95			110		
					TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW
SWPU 165S	165.0	8.6	5200	72	185.5	105.9	8.2	174.8	99.7	8.8	164.9	93.9	9.1
				67	177.0	143.5	8.0	165.0	133.7	8.6	156.4	126.8	9.0
				62	161.5	161.5	7.9	151.3	151.3	8.4	142.6	142.6	8.8
				57	142.6	142.6	7.6	131.9	131.9	8.4	125.4	125.4	8.8
SWPU 195S	195.0	10.0	6000	72	219.3	86.7	9.6	206.7	110.0	10.3	195.0	103.7	10.6
				67	209.2	154.1	9.1	195.0	143.6	10.0	184.8	136.1	10.4
				62	190.9	187.4	9.1	178.7	175.5	9.7	168.6	168.6	10.3
				57	167.9	167.9	8.9	156.3	156.3	9.7	148.2	148.2	10.3
SWPU 200T	200.0	10.4	6000	72	226.2	131.4	9.9	213.2	123.9	10.8	200.0	116.2	11.1
				67	212.2	175.3	9.4	200.0	165.3	10.4	187.8	155.2	10.9
				62	196.0	196.0	9.4	185.8	185.8	10.0	161.8	161.8	10.7
				57	177.8	177.8	9.2	157.6	157.6	10.0	154.5	154.5	10.7
SWPU 260T	260.0	13.4	7200	72	292.5	154.4	12.8	275.5	145.4	13.9	259.9	137.2	14.2
				67	275.8	202.4	12.2	260.0	190.8	13.4	246.4	180.9	14.0
				62	254.4	239.4	12.2	237.4	237.4	13.0	224.8	224.8	13.9
				57	231.0	231.0	12.0	208.4	208.4	13.0	197.5	197.5	13.9
SWPU 300T	300.0	15.2	9200	72	339.5	170.5	14.5	319.8	160.6	15.4	302.2	150.7	16.3
				67	318.3	218.8	14.4	300.0	206.3	15.2	281.9	193.8	16.2
				62	294.0	263.4	14.2	278.9	249.9	15.2	260.7	233.5	16.1
				57	266.8	266.8	14.1	251.6	251.6	15.0	233.4	233.4	16.0
SWPU 330T	330.0	17.2	10000	72	373.5	186.4	16.4	351.8	175.6	17.7	330.1	164.9	18.2
				67	354.2	237.5	15.6	330.0	223.8	17.2	310.1	210.3	18.0
				62	323.2	284.5	15.6	306.8	269.5	16.7	286.8	252.3	17.7
				57	293.4	293.4	15.4	276.8	276.8	16.7	268.1	268.1	17.7
SWPU 390T	390.0	20.0	11500	72	438.7	227.7	19.0	416.6	214.6	20.6	390.0	202.6	21.2
				67	418.4	300.2	18.1	390.0	279.8	20.0	369.7	265.3	20.9
				62	381.7	363.3	18.1	357.6	340.4	19.4	337.3	321.1	20.6
				57	337.3	337.3	17.8	326.9	326.9	19.4	316.1	316.1	20.6
SWPU 450	450.0	22.8	12800	72	486.7	245.0	21.6	458.5	230.7	23.0	430.2	216.4	24.3
				67	456.3	367.0	21.5	450.0	295.6	22.8	404.1	277.7	24.2
				62	421.4	379.3	21.1	399.7	359.6	22.7	373.6	336.1	24.0
				57	382.4	382.4	21.0	360.7	360.7	22.4	353.9	353.9	23.9
SWPU 495	495.0	25.8	14500	72	560.0	280.0	24.5	527.4	263.8	26.0	494.9	247.5	27.5
				67	524.9	355.4	24.3	495.0	335.3	25.8	464.9	315.0	27.4
				62	484.9	427.3	23.9	459.8	405.3	25.6	429.9	378.8	27.2
				57	440.0	440.0	23.7	415.0	415.0	25.4	408.4	408.4	27.0

**Notes**

- 1) Total MBH - Rating are gross capacities, for net capacities, deduct evaporator blower motor heat.
- 2) Sensible MBH - Capacities are based on at 80°F (26.6°C) air on evaporator.
- 3) \*kW - Compressor kW input.

# PERFORMANCE TABLE



MODEL	STD CAPACITY MBH	kW INPUT	AIR ON EVAP.		WATER TEMPERATURE OFF CONDENSER - °F								
			STD CFM	WB TEMP. °F	80			95			110		
					TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW
SWPU 560	560.0	28.6	16000	72	633.6	316.8	27.2	596.8	298.5	28.8	560.0	280.1	30.5
				67	593.9	402.1	26.9	560.0	379.4	28.6	526.1	356.3	30.4
				62	548.7	483.5	26.6	520.4	458.6	28.4	486.5	428.6	30.3
				57	497.7	497.7	26.2	469.5	469.5	28.2	461.2	461.2	30.0
SWPU 585	585.0	30.0	17000	72	662.0	332.5	28.4	623.6	313.2	30.2	585.1	293.8	32.1
				67	620.6	425.3	28.2	585.0	407.9	30.0	549.6	376.8	32.0
				62	573.3	513.7	27.8	543.7	487.2	29.8	508.2	455.4	31.8
				57	520.2	520.2	27.6	490.6	490.6	29.6	482.4	482.4	31.5
SWPU 660	660.0	34.4	18500	72	746.6	371.7	32.6	703.3	350.1	34.6	660.0	328.5	36.9
				67	700.0	470.0	32.4	660.0	443.1	34.4	620.0	416.3	36.6
				62	646.7	567.3	31.9	613.4	538.1	34.2	573.4	503.0	36.4
				57	586.7	586.7	31.6	553.4	553.4	33.9	546.6	546.6	36.2
SWPU 720	720.0	37.2	20800	72	814.5	407.1	35.4	767.1	383.4	37.5	719.9	359.8	39.8
				67	763.6	517.3	35.0	720.0	487.8	37.2	676.2	458.1	39.6
				62	705.3	622.0	34.5	669.0	590.0	36.9	625.3	551.5	39.3
				57	640.0	640.0	34.2	603.5	603.5	36.7	596.9	596.9	39.0
SWPU 780	780.0	40.0	22000	72	882.4	441.0	37.9	831.1	415.4	40.2	779.9	389.9	42.8
				67	827.2	560.5	37.5	780.0	528.5	40.0	732.6	496.4	42.5
				62	764.1	673.9	37.0	724.8	639.2	39.6	677.5	597.5	42.2
				57	693.3	693.3	36.7	653.8	653.8	39.3	648.3	648.3	41.9
SWPU 900	900.0	45.6	25000	72	1018.6	579.7	43.2	958.9	545.7	46.0	899.9	512.1	48.9
				67	954.5	710.4	43.0	900.0	699.7	45.6	845.4	657.1	48.7
				62	881.7	896.9	42.3	836.3	765.1	45.3	781.7	716.1	48.3
				57	799.8	799.8	42.0	754.5	754.5	45.0	748.3	748.3	48.0
SWPU 990	990.0	51.6	28000	72	1120.6	569.8	48.9	1054.9	536.5	52.0	990.0	503.5	55.2
				67	1050.0	698.2	48.6	990.0	687.8	51.6	930.0	646.0	55.0
				62	970.0	881.6	48.0	920.0	752.1	51.2	860.0	734.7	54.6
				57	879.9	879.9	47.5	830.0	830.0	50.8	821.9	821.9	54.1
SWPU 1170	1170.0	60.0	33000	72	1324.2	671.7	56.9	1246.7	632.3	60.5	1170.0	593.4	64.3
				67	1240.9	823.0	56.6	1170.0	810.7	60.0	1099.1	761.4	64.0
				62	1146.4	1039.1	55.7	1087.2	886.4	59.5	1016.3	865.9	63.4
				57	1039.9	1039.9	55.2	981.0	981.0	59.2	971.3	971.3	63.0

Notes  
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					TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW
SWPU 62S	60.4	3.3	2000	72	67.9	34.9	3.1	64.0	33.0	3.4	57.7	29.8	3.5
				67	64.9	46.7	3.0	60.4	43.3	3.3	57.2	41.2	3.5
				62	59.2	59.2	3.0	54.6	54.6	3.2	52.2	52.2	3.4
				57	52.2	52.2	3.0	48.3	48.3	3.2	45.9	45.9	3.4
SWPU 72S	70.1	3.6	2250	72	78.8	40.6	3.4	74.3	38.3	3.7	67.1	34.6	3.8
				67	75.3	54.2	3.3	70.1	50.3	3.6	66.4	47.8	3.8
				62	68.8	68.8	3.2	63.4	63.4	3.5	60.6	60.5	3.7
				57	60.6	60.5	3.3	56.1	56.1	3.5	53.3	53.3	3.7
SWPU 82S	79.9	4.1	2500	72	89.9	42.2	3.9	84.6	39.6	4.2	73.5	37.6	4.3
				67	85.7	54.0	3.7	79.9	51.7	4.1	75.7	50.4	4.2
				62	78.2	66.8	3.6	72.3	64.3	4.0	69.0	62.6	4.2
				57	69.0	69.0	3.6	63.9	63.8	4.0	60.7	60.7	4.2
SWPU 100S	97.4	5.1	3200	72	109.6	56.5	4.8	103.2	53.3	5.2	93.2	50.4	5.3
				67	104.5	75.4	4.6	97.4	70.2	5.1	92.3	66.7	5.2
				62	95.4	94.8	4.5	89.3	88.8	4.9	84.2	84.2	5.2
				57	84.3	84.3	4.5	78.0	78.0	4.9	74.0	74.0	5.2
SWPU 124T	120.8	6.7	4000	72	136.0	70.2	6.2	128.1	66.4	6.6	120.8	62.6	7.0
				67	129.6	93.6	6.0	120.8	86.9	6.7	114.5	82.7	7.0
				62	118.4	117.5	5.8	110.8	110.0	6.5	104.6	104.5	6.7
				57	104.5	104.4	5.9	96.8	96.7	6.4	91.7	91.7	6.8
SWPU 130S	126.6	6.6	4000	72	142.5	73.8	6.2	134.2	69.8	6.7	126.6	65.8	7.0
				67	135.9	98.0	5.9	126.6	90.9	6.6	119.9	86.4	6.8
				62	124.0	122.9	5.8	116.1	115.0	6.4	109.5	109.4	6.7
				57	109.5	109.4	5.8	101.6	101.5	6.4	96.2	96.2	6.7
SWPU 144T	140.2	7.2	4500	72	157.8	72.0	6.9	148.6	68.0	7.4	140.2	64.2	7.8
				67	150.6	95.3	6.5	140.2	88.5	7.2	132.7	84.1	7.5
				62	137.3	119.7	6.4	128.5	111.9	7.1	121.2	106.5	7.4
				57	121.2	106.6	6.4	112.5	98.8	7.1	106.6	93.6	7.4
SWPU 150S	146.1	7.4	4500	72	164.4	75.0	7.1	154.8	70.8	7.6	146.1	66.8	8.0
				67	156.8	99.3	6.7	146.1	92.2	7.4	138.3	87.6	7.7
				62	143.1	124.7	6.6	133.9	116.6	7.3	126.3	111.0	7.6
				57	126.3	111.0	6.6	117.2	102.9	7.3	111.0	97.5	7.6
SWPU 164T	159.7	8.2	5200	72	179.5	99.2	7.8	169.2	93.7	8.4	159.6	88.2	8.6
				67	171.3	134.8	7.6	159.7	125.2	8.2	151.4	119.1	8.5
				62	156.3	156.3	7.3	146.5	146.4	8.0	138.1	138.0	8.4
				57	138.0	137.9	7.2	127.7	127.6	8.0	121.3	121.3	8.4

**Notes**

- 1) Total MBH - Rating are gross capacities, for net capacities, deduct evaporator blower motor heat.
- 2) Sensible MBH - Capacities are based on at 80°F (26.6°C) air on evaporator.
- 3) \*kW - Compressor kW input.

# PERFORMANCE TABLE



MODEL	STD CAPACITY MBH	kW INPUT	AIR ON EVAP.		WATER TEMPERATURE OFF CONDENSER - °F								
			STD CFM	WB TEMP. °F	80			95			110		
					TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW
SWPU 165S	160.7	8.4	5200	72	180.6	99.7	8.0	170.2	94.3	8.6	160.6	88.8	8.8
				67	172.4	135.7	7.8	160.7	125.9	8.4	152.3	119.9	8.7
				62	157.3	157.3	7.5	147.3	147.2	8.2	138.9	138.8	8.6
				57	138.9	138.8	7.4	128.5	128.4	8.2	122.1	122.1	8.6
SWPU 195S	189.9	9.8	6000	72	213.6	81.7	9.3	201.3	104.0	10.0	189.9	98.0	10.3
				67	203.7	145.7	8.9	189.9	135.2	9.8	180.0	128.7	10.1
				62	185.9	182.5	8.7	174.0	170.8	9.4	164.2	164.1	10.0
				57	163.5	163.4	8.7	152.2	152.1	9.4	144.3	144.3	10.0
SWPU 200T	194.8	10.2	6000	72	220.3	123.7	9.6	207.6	117.1	10.5	194.8	109.9	10.8
				67	206.7	165.7	9.2	194.8	155.7	10.2	182.9	146.7	10.6
				62	190.9	190.9	9.0	180.9	180.8	9.7	157.6	157.5	10.4
				57	173.1	173.1	9.0	153.5	153.4	9.7	150.5	150.4	10.4
SWPU 260T	253.2	13.1	7200	72	284.9	145.4	12.5	268.3	137.5	13.5	253.1	129.7	13.8
				67	268.6	191.4	11.9	253.2	179.7	13.1	240.0	171.0	13.6
				62	247.7	233.1	11.6	231.2	231.0	12.7	218.9	218.8	13.5
				57	225.0	224.8	11.7	202.9	202.8	12.7	192.3	192.3	13.5
SWPU 300T	292.2	14.9	9200	72	330.6	160.6	14.1	311.4	151.8	15.0	294.3	142.5	15.8
				67	310.0	206.9	14.0	292.2	194.3	14.9	274.5	183.2	15.7
				62	286.3	256.5	13.5	271.6	243.2	14.8	253.9	227.3	15.7
				57	259.8	259.7	13.7	245.0	244.9	14.6	227.3	227.3	15.6
SWPU 330T	321.4	16.8	10000	72	363.7	175.5	16.0	342.6	166.0	17.2	321.5	155.9	17.7
				67	344.9	224.6	15.2	321.4	210.8	16.8	302.0	198.8	17.5
				62	314.7	277.1	14.9	298.8	262.3	16.3	279.3	245.6	17.2
				57	285.7	285.6	15.0	269.6	269.4	16.3	261.1	261.0	17.2
SWPU 390T	379.8	19.6	11500	72	427.2	214.4	18.5	405.7	202.9	20.1	379.8	191.6	20.6
				67	407.5	283.8	17.6	379.8	263.5	19.6	360.0	250.8	20.3
				62	371.7	353.8	17.3	348.2	331.3	18.9	328.5	312.5	20.1
				57	328.5	328.3	17.3	318.4	318.1	18.9	307.8	307.8	20.1
SWPU 450	438.2	22.3	12800	72	474.0	230.7	21.0	446.5	218.1	22.4	418.9	204.6	23.6
				67	444.4	347.0	20.9	438.2	278.4	22.3	393.5	262.6	23.5
				62	410.4	369.4	20.1	389.2	350.0	22.1	363.8	327.1	23.4
				57	372.4	372.2	20.5	351.3	351.0	21.8	344.6	344.6	23.3
SWPU 495	482.1	25.3	14500	72	545.4	263.7	23.9	513.6	249.4	25.3	482.0	234.0	26.7
				67	511.2	336.0	23.7	482.1	315.8	25.3	452.7	297.8	26.6
				62	472.2	416.1	22.8	447.8	394.4	24.9	418.7	368.7	26.5
				57	428.5	428.3	23.1	404.1	403.9	24.7	397.7	397.7	26.3

Notes  
 1) Total MBH - Rating are gross capacities, for net capacities, deduct evaporator blower motor heat.  
 2) Sensible MBH - Capacities are based on at 80°F (26.6°C) air on evaporator.  
 3) \*kW - Compressor kW input.

# PERFORMANCE TABLE



MODEL	STD CAPACITY MBH	kW INPUT	AIR ON EVAP.		WATER TEMPERATURE OFF CONDENSER - °F								
			STD CFM	WB TEMP. °F	80			95			110		
					TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW	TOTAL MBH	SENS MBH	*KW
SWPU 560	545.4	28.0	16000	72	617.0	298.4	26.5	581.2	282.2	28.0	545.4	264.8	29.6
				67	578.4	380.2	26.2	545.4	357.3	28.0	512.3	336.9	29.5
				62	534.3	470.9	25.4	506.8	446.3	27.7	473.8	417.2	29.5
				57	484.7	484.4	25.5	457.2	456.9	27.5	449.1	449.1	29.2
SWPU 585	569.7	29.4	17000	72	644.7	313.1	27.7	607.3	296.1	29.4	569.8	277.8	31.1
				67	604.4	402.1	27.5	569.7	384.1	29.4	535.2	356.3	31.0
				62	558.3	500.3	26.5	529.5	474.1	29.0	494.9	443.3	31.0
				57	506.6	506.3	26.9	477.8	477.4	28.8	469.8	469.7	30.7
SWPU 660	642.7	33.7	18500	72	727.1	350.1	31.7	684.9	331.0	33.7	642.7	310.6	35.8
				67	681.7	444.4	31.6	642.7	417.3	33.7	603.8	393.6	35.5
				62	629.8	552.5	30.4	597.4	523.7	33.3	558.4	489.6	35.4
				57	571.4	571.1	30.8	538.9	538.6	33.0	532.3	532.2	35.3
SWPU 720	701.2	36.4	20800	72	793.2	383.4	34.5	747.0	362.5	36.5	701.1	340.2	38.6
				67	743.6	489.1	34.1	701.2	459.4	36.4	658.5	433.1	38.4
				62	686.9	605.7	32.9	651.5	574.2	35.9	608.9	536.8	38.3
				57	623.3	622.9	33.3	587.7	587.3	35.7	581.3	581.2	38.0
SWPU 780	759.6	39.2	22000	72	859.3	415.3	36.9	809.4	392.8	39.1	759.5	368.6	41.5
				67	805.6	529.9	36.5	759.6	497.7	39.2	713.4	469.3	41.2
				62	744.1	656.3	35.3	705.8	622.1	38.6	659.8	581.6	41.1
				57	675.2	674.8	35.7	636.7	636.3	38.3	631.3	631.2	40.8
SWPU 900	876.5	44.7	25000	72	992.0	545.9	42.1	933.8	515.9	44.8	876.4	484.2	47.4
				67	929.5	671.7	41.9	876.5	659.0	44.7	823.3	621.3	47.2
				62	858.6	873.4	40.3	814.4	744.6	44.1	761.3	697.0	47.0
				57	778.9	778.5	40.9	734.8	734.3	43.8	728.7	728.6	46.7
SWPU 990	964.1	50.5	28000	72	1091.3	536.6	47.6	1027.3	507.3	50.6	964.1	476.1	53.5
				67	1022.5	660.1	47.3	964.1	647.7	50.5	905.7	610.8	53.4
				62	944.6	858.5	45.8	895.9	731.9	49.9	837.5	715.1	53.2
				57	856.9	856.5	46.3	808.3	807.7	49.5	800.4	800.3	52.7
SWPU 1170	1139.4	58.8	33000	72	1289.6	632.6	55.4	1214.1	597.8	58.9	1139.4	561.0	62.4
				67	1208.4	778.1	55.1	1139.4	763.5	58.8	1070.4	719.9	62.1
				62	1116.4	1011.9	53.1	1058.8	862.6	57.9	989.7	842.8	61.7
				57	1012.7	1012.2	53.8	955.3	954.7	57.7	945.9	945.7	61.4

**Notes**

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- 3) \*kW - Compressor kW input.

## BLOWER PERFORMANCE TABLE

SWPU 62S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	958	0.56	1193	0.82	1433	1.15				
2000	1016	0.71	1236	0.99	1445	1.32	1661	1.72		
2200	1049	0.86	1263	1.17	1450	1.48	1644	1.87	1839	2.31
2400	1092	1.05	1297	1.37	1476	1.69	1648	2.07	1828	2.51

SWPU 72S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1800	958	0.56	1193	0.82	1433	1.15				
2250	1029	0.86	1245	1.17	1431	1.48	1618	1.85	1811	2.31
2500	1071	1.07	1274	1.40	1456	1.74	1620	2.09	1788	2.52
2750	1129	1.34	1316	1.69	1492	2.07	1649	2.44	1798	2.83

SWPU 82S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	983	0.81	1205	1.10	1395	1.42	1580	1.77	1773	2.21
2500	1050	1.05	1254	1.37	1439	1.72	1604	2.05	1771	2.48
2750	1099	1.29	1286	1.64	1465	2.00	1625	2.39	1774	2.77
3000	1155	1.58	1328	1.95	1498	2.35	1656	2.77	1799	3.17

SWPU 100S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2800	861	0.94	1040	1.26	1203	1.62	1391	2.11	1578	2.67
3200	934	1.30	1095	1.65	1246	2.04	1388	2.46	1552	3.01
3600	991	1.69	1141	2.09	1279	2.50	1412	2.94	1537	3.41
4000	1052	2.16	1192	2.62	1322	3.06	1445	3.52	1564	4.01

SWPU 124T/130S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3600	939	1.56	1094	1.96	1235	2.36	1371	2.79	1497	3.25
4000	1012	2.05	1156	2.50	1289	2.94	1413	3.40	1534	3.88
4400	1072	2.59	1207	3.07	1332	3.56	1449	4.05	1562	4.55
4800	1138	3.25	1264	3.76	1382	4.28	1494	4.83	1600	5.36

## BLOWER PERFORMANCE TABLE

SWPU 144T/150S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	850	1.72	1006	2.21	1156	2.79	1302	3.44	1441	4.17
4500	901	2.24	1046	2.78	1178	3.38	1313	4.04	1442	4.77
5000	957	2.87	1088	3.46	1214	4.09	1333	4.78	1454	5.50
5500	1017	3.62	1136	4.28	1255	4.94	1366	5.65	1474	6.42

SWPU 164T										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4400	869	2.05	1017	2.58	1153	3.17	1291	3.81	1423	4.52
4900	925	2.64	1058	3.22	1187	3.84	1308	4.51	1432	5.22
5400	984	3.36	1105	4.00	1226	4.64	1339	5.34	1449	6.09
5900	1043	4.20	1154	4.87	1266	5.58	1376	6.30	1477	7.07

SWPU 165S										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4800	894	2.43	1030	3.01	1162	3.60	1286	4.27	1412	4.97
5200	945	2.99	1070	3.60	1196	4.23	1312	4.91	1427	5.64
5600	998	3.64	1115	4.28	1233	4.95	1345	5.65	1451	6.40
6000	1050	4.36	1160	5.03	1270	5.76	1379	6.48	1480	7.25

SWPU 195S/200T										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5400	745	2.17	868	2.74	983	3.32	1104	4.04	1229	4.89
6000	791	2.79	905	3.40	1012	4.03	1115	4.70	1225	5.53
6600	839	3.52	946	4.19	1047	4.89	1140	5.57	1235	6.34
7200	887	4.38	988	5.10	1082	5.84	1173	6.60	1258	7.36

SWPU 260T										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	792	3.17	903	3.81	1006	4.50	1103	5.17	1198	5.91
7200	850	4.12	949	4.81	1045	5.54	1137	6.30	1224	7.05
7900			997	5.99	1089	6.78	1174	7.58	1258	8.43
8600			1048	7.34	1133	8.20	1215	9.06	1293	9.96

## BLOWER PERFORMANCE TABLE

SWPU 300T										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8500	598	3.30	695	4.15	787	5.07	873	6.07	959	7.18
9400	634	4.20	725	5.11	810	6.11	891	7.15	969	8.26
10300	672	5.26	758	6.28	837	7.29	913	8.42	987	9.57
11200	711	6.50	790	7.60	865	8.68	937	9.84	1007	11.07

SWPU 330T										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9500	619	4.12	711	5.06	796	6.01	877	7.07	956	8.16
10500	660	5.28	745	6.31	824	7.33	900	8.44	973	9.61
11500	702	6.66	781	7.77	856	8.90	927	10.03	996	11.26
12500	744	8.26	818	9.45	889	10.67	956	11.89	1021	13.14

SWPU 390T										
CFM	0.50" WG		1.00" WG		1.50" WG		2.00" WG		2.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10500	569	4.09	663	5.18	750	6.36	829	7.61	903	8.90
11500	600	5.07	687	6.24	770	7.49	846	8.82	917	10.19
12500	633	6.23	714	7.46	792	8.81	866	10.20	935	11.65
13500	668	7.58	745	8.93	818	10.32	889	11.80	955	13.33

SWPU 450										
CFM	1.00" WG		1.50" WG		2.00" WG		2.50" WG		3.00" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11600	587	5.98	675	6.13	758	7.40	835	8.71	907	10.08
12800	622	6.31	704	7.57	781	8.90	855	10.31	924	11.77
14000	660	7.89	736	9.26	808	10.66	878	12.16	945	13.70
15200	700	9.79	772	11.26	840	12.77	905	14.32	969	15.97

SWPU 495										
CFM	1.00" WG		1.50" WG		2.00" WG		2.50" WG		3.00" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	693	7.57	770	8.89	844	10.30	914	11.76	979	13.28
14500	731	9.68	803	11.11	871	12.60	937	14.19	1000	15.81
16000	771	12.15	838	13.74	901	15.33	963	16.99	1023	18.72
17500	814	15.14	877	16.83	937	18.58	994	20.31	1051	22.13

## BLOWER PERFORMANCE TABLE

SWPU 560										
CFM	1.00" WG		1.50" WG		2.00" WG		2.50" WG		3.00" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14500	592	7.28	664	8.75	730	10.28	793	11.87	855	13.62
16000	618	8.97	685	10.54	749	12.21	808	13.89	865	15.64
17500	647	10.98	709	12.64	770	14.40	828	16.24	881	18.08
19000	677	13.32	736	15.09	793	16.93	848	18.89	901	20.87

SWPU 585										
CFM	1.00" WG		1.50" WG		2.00" WG		2.50" WG		3.00" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15000	595	7.70	666	9.21	732	10.78	793	12.39	853	14.12
17000	629	10.09	694	11.70	756	13.44	814	15.22	869	17.01
19000	665	12.98	726	14.77	783	16.59	838	18.52	892	20.52
21000	702	16.40	761	18.43	814	20.39	866	22.42	916	24.54

SWPU 660										
CFM	1.00" WG		1.50" WG		2.00" WG		2.50" WG		3.00" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16500	611	9.25	678	10.82	741	12.50	801	14.23	857	15.99
18500	646	11.95	708	13.69	767	15.46	824	17.37	878	19.30
20500	682	15.14	742	17.10	796	19.02	849	21.01	900	23.09
22500	721	18.99	777	21.11	829	23.26	879	25.37	927	27.54

SWPU 720										
CFM	1.50" WG		2.00" WG		2.50" WG		3.00" WG		3.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
19000	603	12.27	663	14.36	718	16.58	770	18.90	820	21.23
21000	625	15.03	681	17.17	736	19.52	786	21.96	833	24.51
23000	651	18.38	701	20.47	753	22.87	802	25.45	848	28.11
25000	683	22.48	726	24.48	773	26.86	821	29.5	866	32.31

SWPU 780										
CFM	1.50" WG		2.00" WG		2.50" WG		3.00" WG		3.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20500	612	14.07	670	16.17	725	18.47	776	20.87	824	23.37
22500	637	17.22	689	19.29	742	21.66	792	24.19	838	26.81
24500	668	21.11	711	23.06	760	25.38	808	28.00	854	30.75
26500			739	27.54	781	29.83	826	32.40	871	35.23

## BLOWER PERFORMANCE TABLE

SWPU 900										
CFM	1.50" WG		2.00" WG		2.50" WG		3.00" WG		3.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22500	527	13.49	580	15.80	631	18.28	680	20.75	727	23.57
25000	546	16.56	594	18.97	642	21.57	688	24.34	733	27.05
27500	568	20.30	614	22.83	658	25.50	701	28.35	744	31.38
30000	591	24.63	636	27.34	677	30.16	717	33.07	757	36.16

SWPU 990										
CFM	1.50" WG		2.00" WG		2.50" WG		3.00" WG		3.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24000	530	14.91	580	17.25	630	19.80	677	22.44	723	25.07
28000	560	20.46	607	22.98	650	25.66	693	28.46	735	31.48
32000	593	27.48	637	30.28	678	33.17	717	36.16	754	39.26
36000			669	39.23	708	42.40	746	45.67	781	48.94

SWPU 1170										
CFM	1.50" WG		2.00" WG		2.50" WG		3.00" WG		3.50" WG	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
30000	456	19.33	503	22.58	549	26.15	588	29.38	627	33.13
33000	468	23.10	514	26.64	557	30.44	599	34.39	635	37.88
37000	484	28.81	531	33.17	571	37.10	609	41.03	649	45.81
40000	508	35.05	540	38.08	586	43.28	621	47.28	656	51.52

## CORRECTION FACTORS

### A) VARIATION in Air Flowrates

% of Nominal Air Flowrates	Total Capacity	Sensible Capacity
80%	0.960	0.900
90%	0.980	0.950
100%	1.000	1.000
110%	1.015	1.045
120%	1.025	1.090

### C) VARIATION in Dry Bulb Temperature on Sensible Capacity

Dry Bulb °F	Wet Bulb °F			
	57 °F	62 °F	67 °F	72 °F
75 °F	0.84	0.81	0.78	0.74
80 °F	1.00	1.00	1.00	1.00
85 °F	1.16	1.18	1.21	1.26

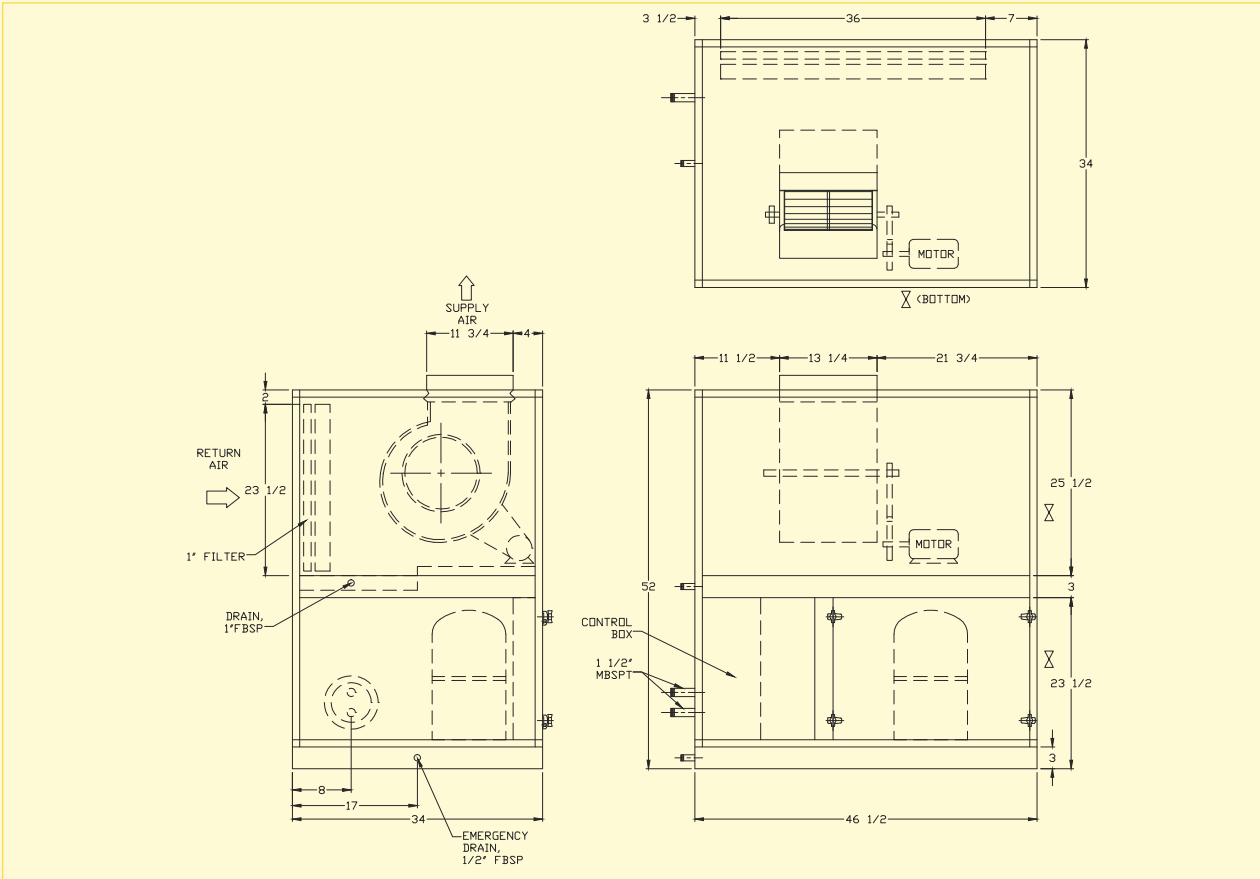
Note: If after applying the correction factor, the calculated sensible capacity exceeds total cooling capacity, then the sensible capacity must be adjusted to be equal the total cooling capacity.

### B) VARIATION in Altitude above SEA LEVEL

Altitude above sea level - ft	Total Capacity	Sensible Capacity
0	1.00	1.00
2000	0.99	0.93
4000	0.97	0.88
6000	0.95	0.82
8000	0.93	0.76

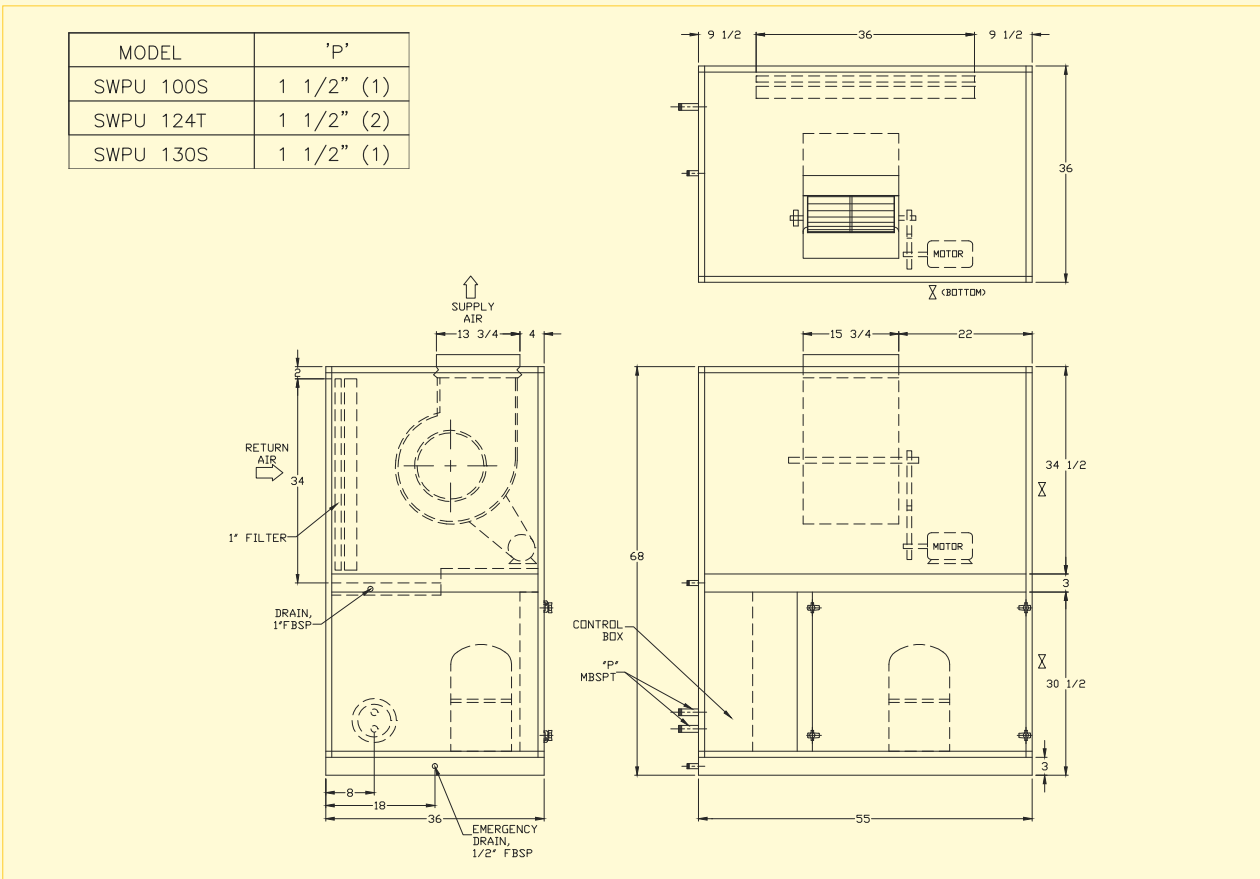
# DIMENSIONAL DATA

## SWPU 62S, 72S & 82S



## SWPU 100S, 124T & 130S

MODEL	'p'
SWPU 100S	1 1/2" (1)
SWPU 124T	1 1/2" (2)
SWPU 130S	1 1/2" (1)

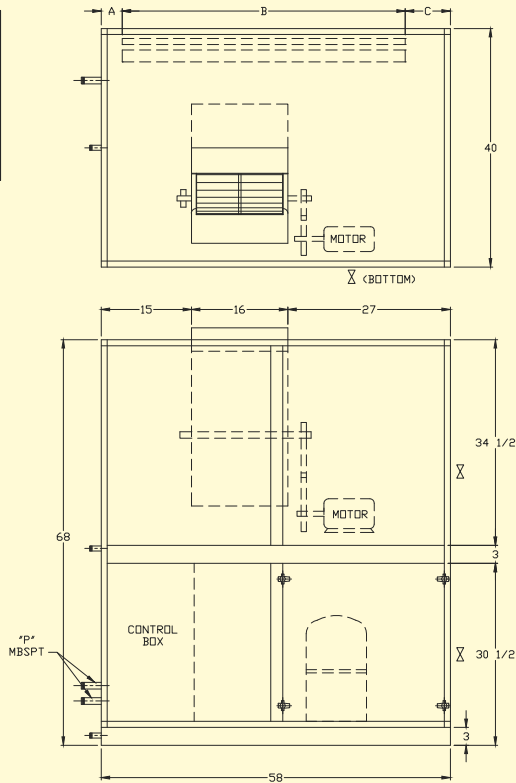
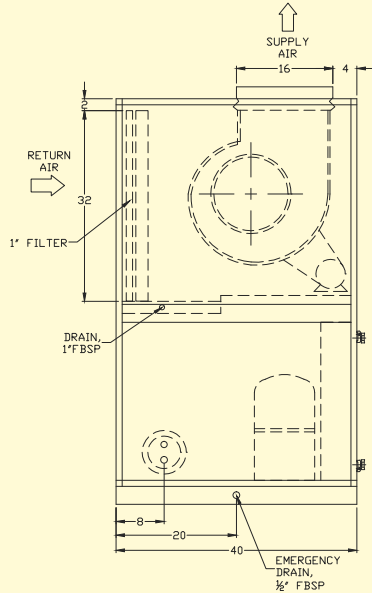


Note: All dimension are in inches. Unless otherwise specified.

# DIMENSIONAL DATA

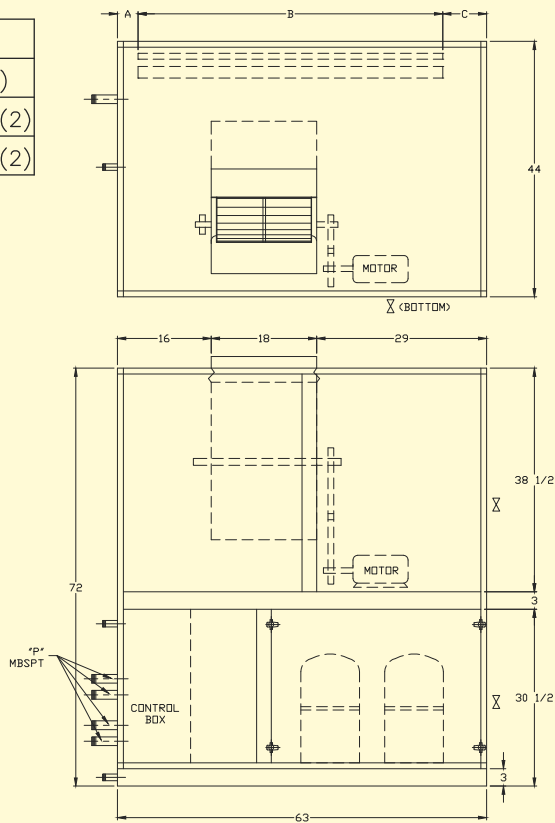
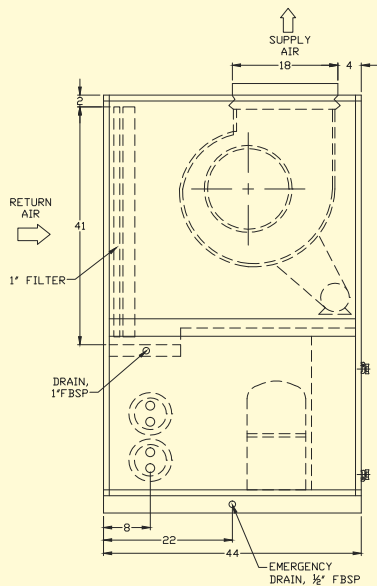
## SWPU 144T, 150S, 164T & 165S

MODEL	A	B	C	'P'
SWPU 144T	7 1/2	43	7 1/2	1 1/2" (2)
SWPU 150S	7 1/2	43	7 1/2	1 1/2" (1)
SWPU 164T	3 1/2	48	6 1/2	1 1/2" (2)
SWPU 165S	3 1/2	48	6 1/2	2" (1)



## SWPU 195S, 200T & 260T

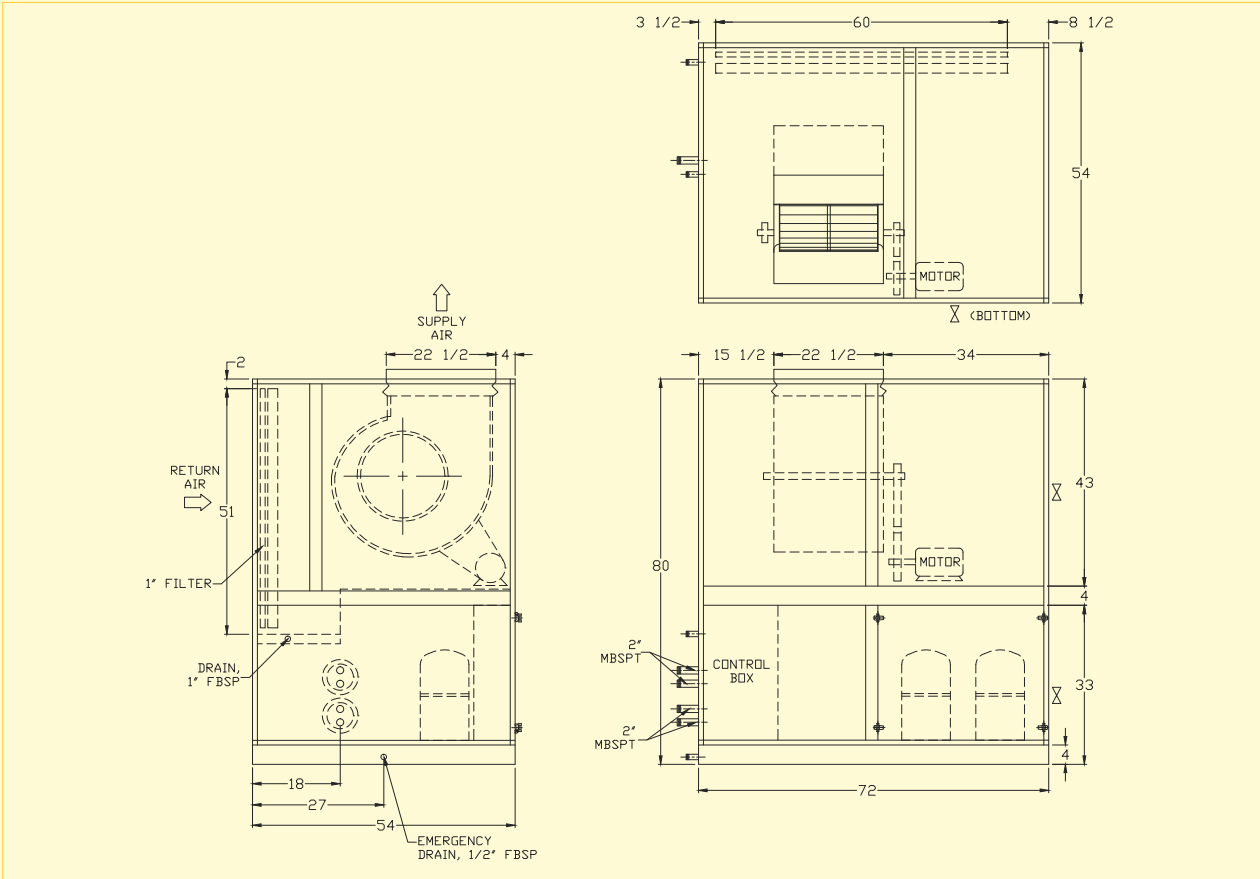
MODEL	A	B	C	'P'
SWPU 195S	5 1/2	50	7 1/2	2" (1)
SWPU 200T	5 1/2	50	7 1/2	1 1/2" (2)
SWPU 260T	3 1/2	52	7 1/2	1 1/2" (2)



Note: All dimension are in inches. Unless otherwise specified.

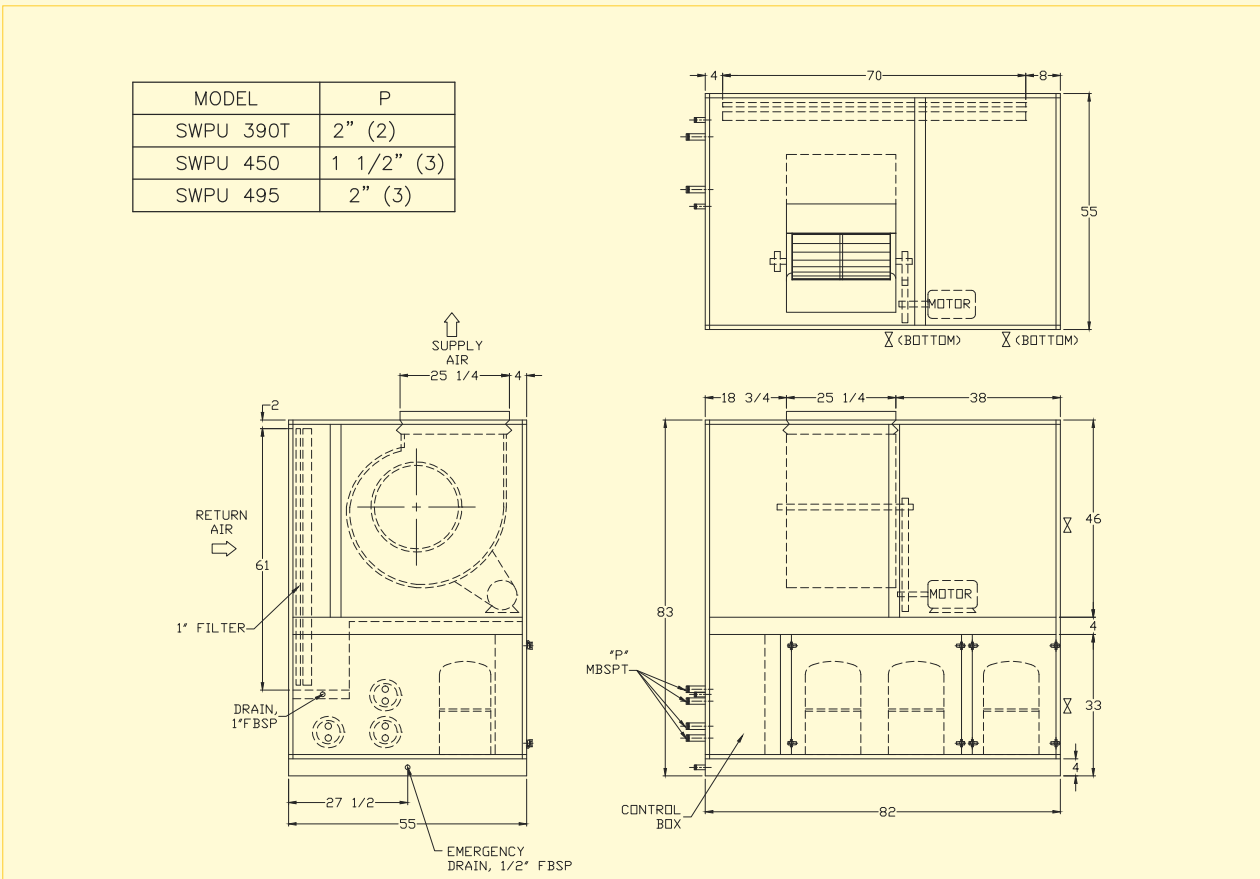
# DIMENSIONAL DATA

## SWPU 300T & 330T



## SWPU 390T, 450 & 495

MODEL	P
SWPU 390T	2" (2)
SWPU 450	1 1/2" (3)
SWPU 495	2" (3)

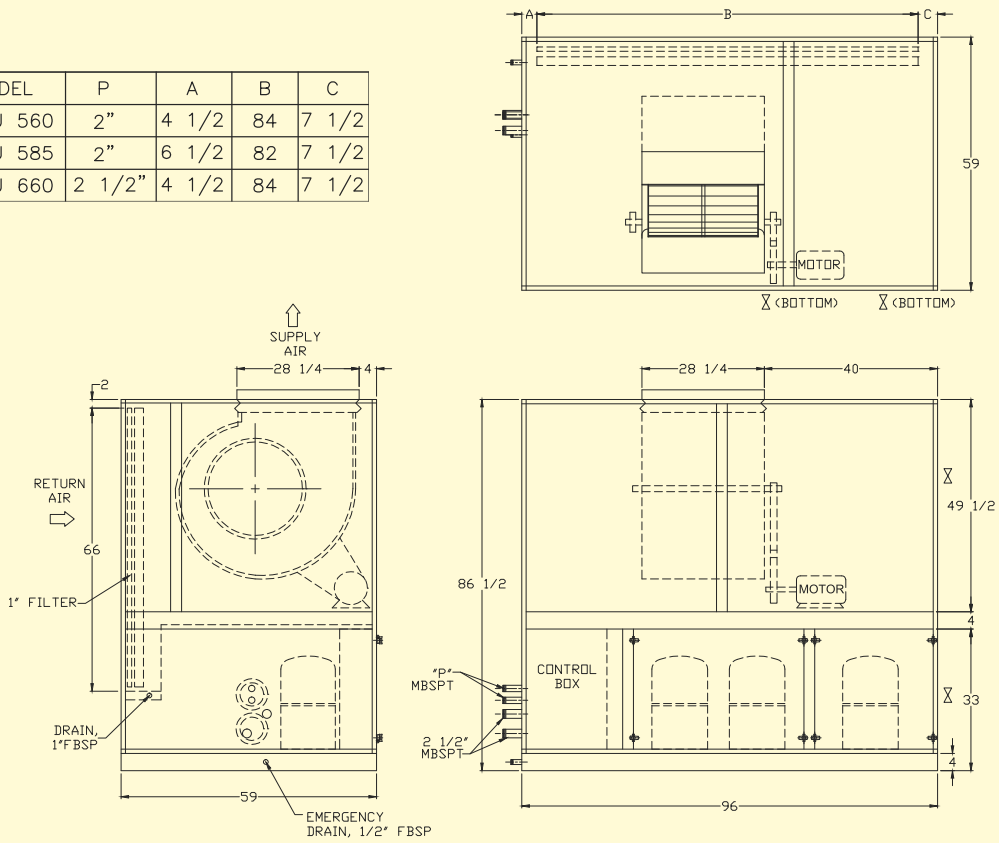


Note: All dimension are in inches. Unless otherwise specified.

# DIMENSIONAL DATA

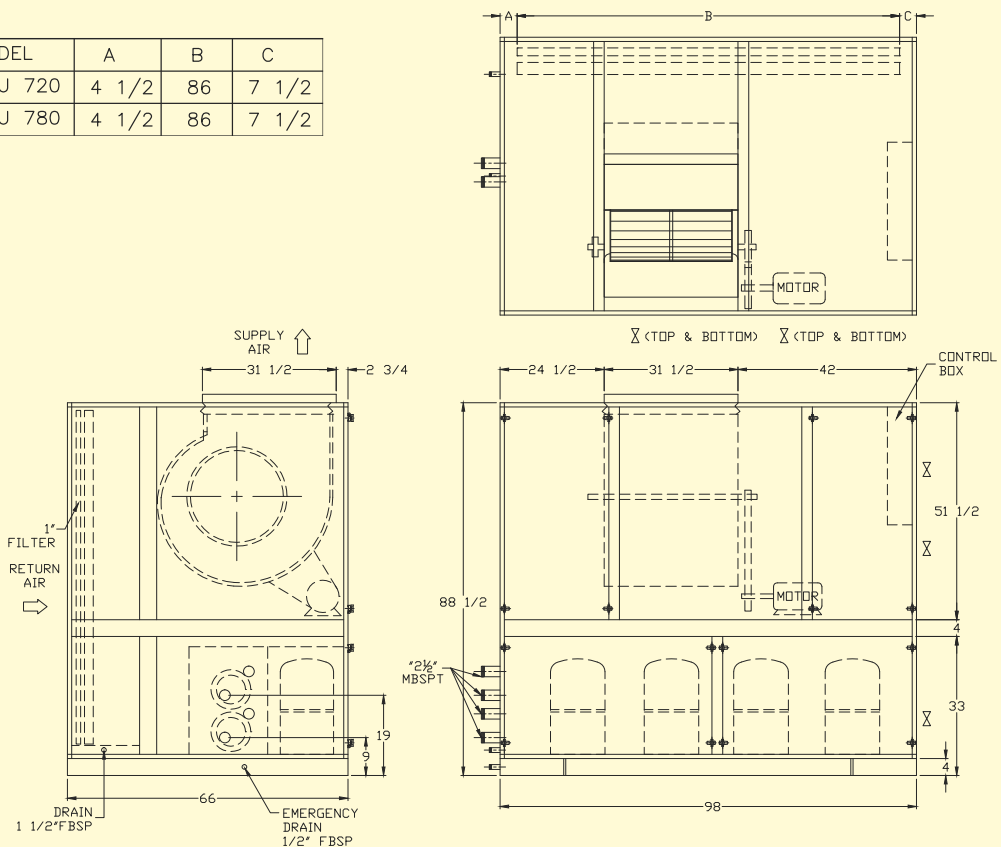
## SWPU 560, 585 & 660

MODEL	P	A	B	C
SWPU 560	2"	4 1/2"	84"	7 1/2"
SWPU 585	2"	6 1/2"	82"	7 1/2"
SWPU 660	2 1/2"	4 1/2"	84"	7 1/2"



## SWPU 720 & 780

MODEL	A	B	C
SWPU 720	4 1/2"	86"	7 1/2"
SWPU 780	4 1/2"	86"	7 1/2"

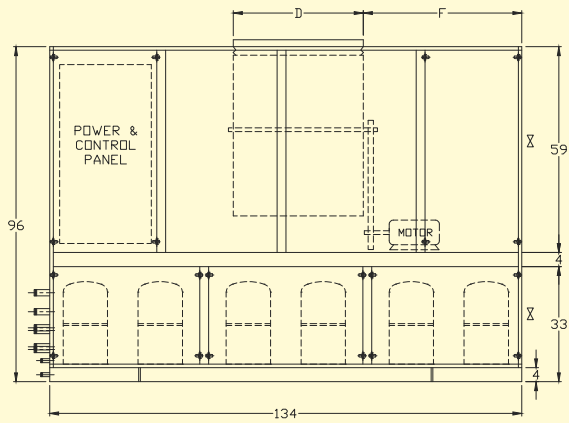
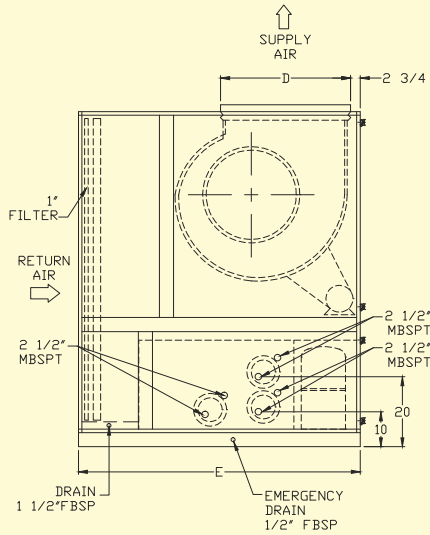
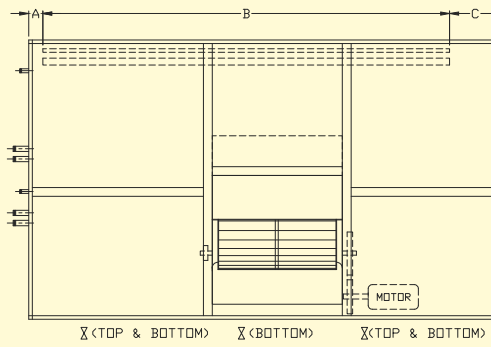


Note: All dimension are in inches. Unless otherwise specified.

# DIMENSIONAL DATA

## SWPU 900, 990 & 1170

MODEL	A	B	C	D	E	F
SWPU 900	12	110	12	35 1/2	76	49 1/4
SWPU 990	12	110	12	35 1/2	76	49 1/4
SWPU 1170	7	120	7	40	86	47



Note: All dimension are in inches. Unless otherwise specified.

## PHYSICAL DATA

MODEL SIZE	COMPRESSOR				CONDENSER		BLOWER SECTION			EVAPORATOR COIL				Filters (inches)	R-22 Charge	Approximate Operating Weight (lbs)
	Qty	LRA Each	NRA Each	MRA Each	Nom. usgpm	P.D Ft. Wg.	Qty	MODEL (SIZE)	Max. HP	Tubes O.D	Rows Deep	Face Area ft <sup>2</sup>	SIZE - Qty			
SWPU 62S	1	66	7.0	11.0	15.0	4.2	1	KAT 10/10	2.0	3/8	4	4.0	20 x 20 x 1 - 2	1 x 7.8	720	
SWPU 72S	1	74	7.3	11.4	18.0	4.3	1	KAT 10/10	2.0	3/8	4	4.5	20 x 20 x 1 - 2	1 x 8.7	780	
SWPU 82S	1	101	9.1	13.0	20.5	4.3	1	KAT 10/10	3.0	3/8	4	5.0	20 x 20 x 1 - 2	1 x 10.0	820	
SWPU 100S	1	95	10.0	15.6	25.0	5.0	1	KAT 12/12	3.0	3/8	4	6.5	16 x 20 x 1 - 4	1 x 12.5	1150	
SWPU 124T	2	2 x 66	2 x 7.0	2 x 11.0	30.0	4.8	1	KAT 12/12	4.0	3/8	4	8.0	16 x 20 x 1 - 4	2 x 7.8	1300	
SWPU 130S	1	118	12.8	19.6	32.5	5.0	1	KAT 12/12	4.0	3/8	4	8.0	16 x 20 x 1 - 4	1 x 16.2	1450	
SWPU 144T	2	2 x 74	2 x 7.3	2 x 11.4	36.0	5.2	1	FDA 315T	4.0	1/2	4	9.0	16 x 25 x 1 - 4	2 x 8.7	1580	
SWPU 150S	1	118	13.9	22.3	37.5	5.6	1	FDA 315T	4.0	1/2	4	9.0	16 x 25 x 1 - 4	1 x 17.6	1520	
SWPU 164T	2	2 x 101	2 x 9.1	2 x 13.0	41.0	6.0	1	FDA 315T	5.0	1/2	4	10.0	16 x 25 x 1 - 4	2 x 10.0	1660	
SWPU 165S	1	140	16.1	31.0	41.3	5.7	1	FDA 315T	5.0	1/2	4	10.0	16 x 25 x 1 - 4	1 x 24.0	1580	
SWPU 195S	1	174	21.1	40.1	50.0	6.0	1	FDA 355T	7.5	1/2	4	12.2	20 x 20 x 1 - 4	1 x 26.0	1880	
SWPU 200T	2	2 x 95	2 x 10.0	2 x 15.6	50.0	6.0	1	FDA 355T	7.5	1/2	4	12.2	20 x 20 x 1 - 4	2 x 12.5	1990	
SWPU 260T	2	2 x 118	2 x 12.8	2 x 19.6	65.0	6.3	1	FDA 355T	10.0	1/2	4	14.4	20 x 20 x 1 - 4	2 x 16.2	2130	
SWPU 300T	2	2 x 118	2 x 13.9	2 x 22.3	75.0	7.3	1	FDA 450T	15.0	1/2	4	18.8	25 x 20 x 1 - 4	2 x 17.6	2650	
SWPU 330T	2	2 x 140	2 x 16.1	2 x 31.0	82.5	7.3	1	FDA 450T	15.0	1/2	4	20.8	25 x 20 x 1 - 4	2 x 24.0	2900	
SWPU 390T	2	2 x 174	2 x 21.1	2 x 40.1	100	7.3	1	FDA 500T	20.0	1/2	4	23.0	25 x 25 x 1 - 2	2 x 26.0	3400	
SWPU 450	3	3 x 118	3 x 13.9	3 x 22.3	113	7.5	1	FDA 500T	20.0	1/2	4	25.5	20 x 25 x 1 - 9	3 x 17.6	3700	
SWPU 495	3	3 x 140	3 x 16.1	3 x 31.0	124	7.5	1	FDA 500T	20.0	1/2	4	29.2	20 x 25 x 1 - 9	3 x 24.0	4100	
SWPU 560	4	2 x 118	2 x 12.8	2 x 19.6	140	8.8	1	FDA 560T	25.0	1/2	4	32.0	16 x 20 x 1 - 12	2 x 16.2	4700	
SWPU 585	3	3 x 174	3 x 21.1	3 x 40.1	150	8.8	1	FDA 560T	30.0	1/2	4	34.2	16 x 25 x 1 - 4	2 x 17.6	5100	
SWPU 660	4	4 x 140	4 x 16.1	4 x 31.0	165	8.8	1	FDA 560T	30.0	1/2	4	37.9	16 x 20 x 1 - 12	4 x 24.0	5800	
SWPU 720	4	2 x 140	2 x 16.1	2 x 31.0	182	8.8	1	FDA 630T	40.0	1/2	4	41.8	16 x 25 x 1 - 4	2 x 24.0	6800	
SWPU 780	4	4 x 174	4 x 21.1	4 x 40.1	200	9.0	1	FDA 630T	40.0	1/2	4	44.8	25 x 20 x 1 - 9	2 x 26.0	7600	
SWPU 900	6	6 x 118	6 x 13.9	6 x 22.3	225	10.2	1	FDA 710T	40.0	1/2	4	51.6	25 x 20 x 1 - 9	4 x 26.0	8200	
SWPU 990	6	6 x 140	6 x 16.1	6 x 31.0	248	10.4	1	FDA 710T	40.0	1/2	4	57.3	20 x 20 x 1 - 24	6 x 17.6	8400	
SWPU 1170	6	6 x 174	6 x 21.1	6 x 40.1	300	11.8	1	FDA 800T	50.0	1/2	4	68.8	20 x 20 x 1 - 24	6 x 24.0	9200	

## Notes:

- Compressors minimum - maximum voltage is 360V to 440V
- LRA = compressor Locked Rotor Amperes at 400V-3-50Hz
- NRA = Running Amperes at Nominal conditions with condenser water at 85 F entering/95 F leaving
- MRA = Maximum running amperes recommended for each compressor. When running amperes exceed this value, it indicates excessive condenser tubes fouling (requires tubes cleaning or high condenser inlet water temperature)

