



GENERAL

AIR PRODUCTS

Quality & Service Since 1936.



**Air and Water Cooled
Industrial Chillers
1/2 to 15 Ton
for HVAC and Process Applications**

Call 1 800 345 8207
or visit us on the web at
www.GENERALAIRPRODUCTS.com

In addition to the products in this booklet, we offer a wide range of fluid process products, and chillers (from 1/2 to 500 Tons) for a variety of applications.

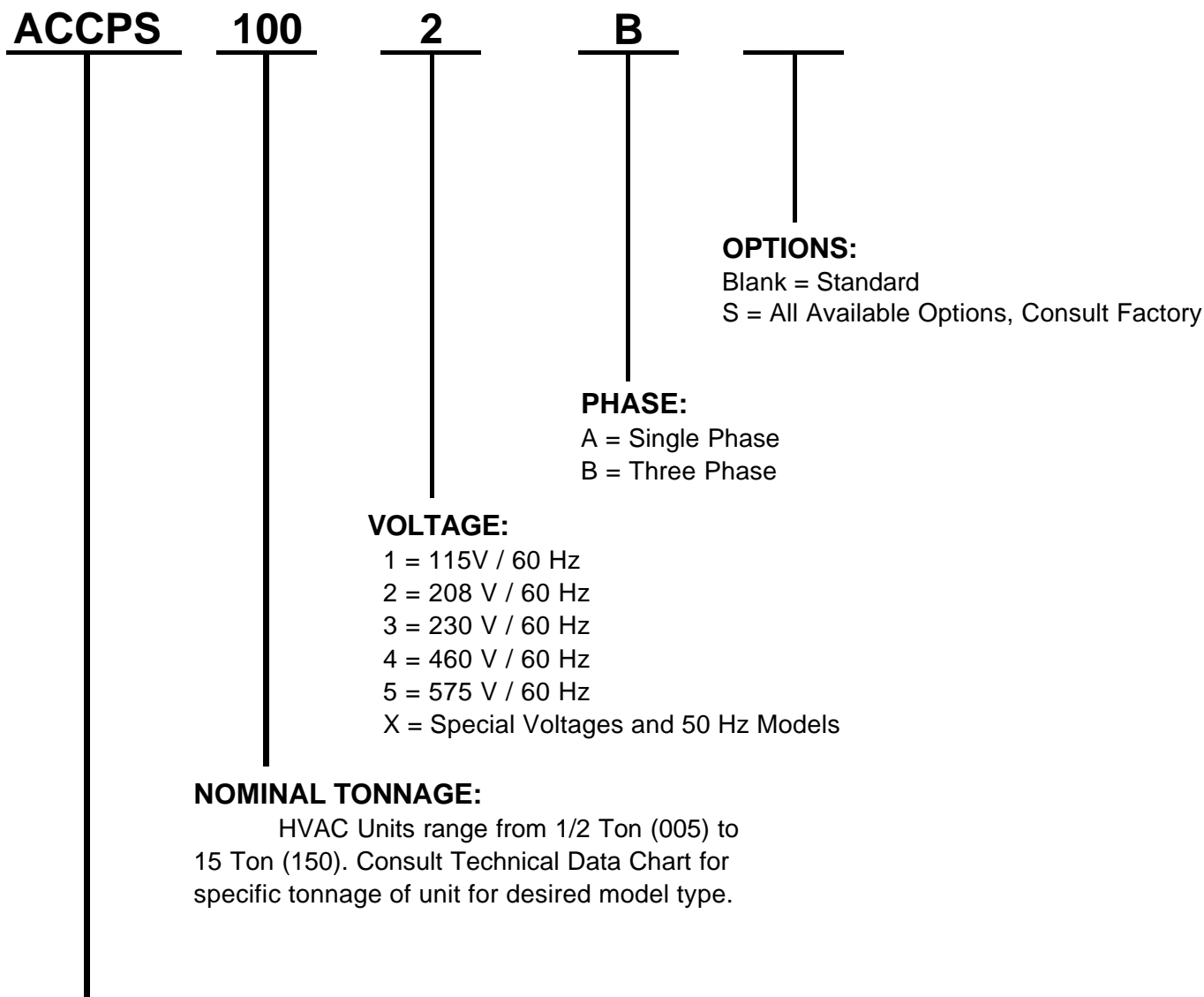
- ★ **Pumping Stations**
 - ★ **Closed Loop Cooling Systems**
 - ★ **Air Fluid Coolers**
 - ★ **Evaporative Fluid Coolers**
 - ★ **Heat Exchangers**
 - ★ **Regenerative Desiccant Dryers**
 - ★ **Refrigerated Air Dryers**
 - ★ **Condensate Drains**
 - ★ **Aftercoolers**
 - ★ **Oil Water Separators**
 - ★ **Centrifugal Separators**
 - ★ **Filter Assemblies**
 - ★ **ASME Assemblies**
 - ★ **F-R-L's**
 - ★ **Conversion Elements**
- and MORE...**



Table of Contents

Nomenclature Chart	Page 3
Glycol Selection Table	Page 4
<hr/>	
Air Cooled Packaged System Chillers	
ACCPS Series Features & Options	Page 5
ACCPS Series Technical Data	Page 6
ACCPS Series Dimensional Data	Page 6
ACCPS Series Capacities at Various Conditions Chart	Pages 7 & 8
<hr/>	
Water Cooled Packaged System Chillers	
WCCPS Series Features & Options	Page 9
WCCPS Series Technical Data	Page 10
WCCPS Series Dimensional Data	Page 10
WCCPS Series Capacities at Various Conditions Chart	Pages 11 & 12
<hr/>	
Basic Model - Air Cooled Chillers	
ACC Series Features & Options	Page 13
ACC Series Technical Data	Page 14
ACC Series Dimensional Data	Page 14
ACC Series Capacities at Various Conditions Chart	Pages 15 & 16
<hr/>	
Basic Model - Water Cooled Chillers	
WCC Series Features & Options	Page 17
WCC Series Technical Data	Page 18
WCC Series Dimensional Data	Page 18
WCC Series Capacities at Various Conditions Chart	Pages 19 & 20
<hr/>	
Split System - Air Cooled Chillers	
ACCS - Air Cooled Split System Chillers	Page 21
ACCS Series Technical Data	Page 22
ACCS Series Dimensional Data	Page 23
ACCS Series Capacities at Various Conditions Chart	Pages 24 & 25
<hr/>	
Chiller Accessories	Page 26

Nomenclature Chart



OPTIONS:

Blank = Standard

S = All Available Options, Consult Factory

PHASE:

A = Single Phase

B = Three Phase

VOLTAGE:

1 = 115V / 60 Hz

2 = 208 V / 60 Hz

3 = 230 V / 60 Hz

4 = 460 V / 60 Hz

5 = 575 V / 60 Hz

X = Special Voltages and 50 Hz Models

NOMINAL TONNAGE:

HVAC Units range from 1/2 Ton (005) to 15 Ton (150). Consult Technical Data Chart for specific tonnage of unit for desired model type.

MODEL TYPE:

ACCPS = Air Cooled Packaged, Energy Saving Chiller

WCCPS = Water Cooled Packaged, Energy Saving Chiller

ACC = Air Cooled Chiller

ACCT = Air Cooled Chiller with Tank

WCC = Water Cooled Chiller

WCCT = Water Cooled Chiller with Tank

ACCS = Air Cooled Split System Chiller

ACCST = Air Cooled Split System Chiller with Tank

Glycol Selection Table

The capacity correction factors below should be applied against the nominal tonnage values from the model selection charts. For Example:

$$\text{ACCPS 100-4B} = 10.67 \text{ Tons (Water)} \times .928 \text{ (40\% PG)} = 9.9 \text{ Tons Actual}$$

Propylene Glycol (PG) Capacity Correction Factors

Percent Propylene Glycol by Weight	10%	15%	20%	25%	30%	35%	40%	50%	60%
Capacity Factor Multiplier	0.998	0.992	0.986	0.978	0.964	0.950	0.928	0.878	0.788
Freezing Point (°F)	26	23	20	15	10	3	-6	-28	-59
Pressure Drop Multiplier	1.02	1.04	1.08	1.30	1.49	1.79	2.05	2.87	3.96

Ethylene Glycol (EG) Capacity Correction Factors

Percent Ethylene Glycol by Weight	10%	15%	20%	25%	30%	35%	40%	50%	60%
Capacity Factor Multiplier	0.98	0.96	0.95	0.93	0.92	0.91	0.89	0.86	0.82
Freezing Point (°F)	26	22	17	12	6	0	-8	-28	-54
Pressure Drop Multiplier	1.08	1.11	1.16	1.21	1.27	1.32	1.38	1.45	1.55

ACCPS Series

Air Cooled Packaged System Chillers 1/2 to 15 Tons



Shown with panels removed.

General Air Product's ACCPS Series brings you a fully integrated "Packaged System" ready to install with a minimum of labor and trades involved.

The only installation required is to connect electrical power and the inlet and outlet process line connections.

Microprocessor controlled, the ACCPS has close control of the leaving water temperatures and cycle time of the system under varying load conditions.

The unique "energy efficient" design allows a maximum of 10 starts per hour under low loads, extending the compressor life; no energy consuming hot gas valve to worry about.

The simplicity of the Energy Storage Cycling design means the unit handles load turn downs with ease. The standard tolerance of +/- 3.5 degrees F. under full cycle is adjustable with differential and off setting adjustments.

The storage tank allows a "buffer" for the system maintaining stable temperatures even under widely fluctuating loads. The built in process pump simplifies the circuit components, no other add on's required.

Standard Features:

- built-in, insulated energy storage tank
- micro-processor controlled with alarms
- built-in process pump with anti-dead head by-pass
- low water pressure drop
- high ambient operation
- easy access for maintenance
- suitability for open or closed fluid circuits
- designed for internal or external use

Equipment Options:

- standard pump removal (deduct)
- high head pump
- scroll compressors available
- centrifugal fans - for heat recovery
- open system reservoir tank
- expansion tanks & auto fill kit
- glycol filling kit
- non ferrous water circuit
- variable speed fans
- coated condenser coils

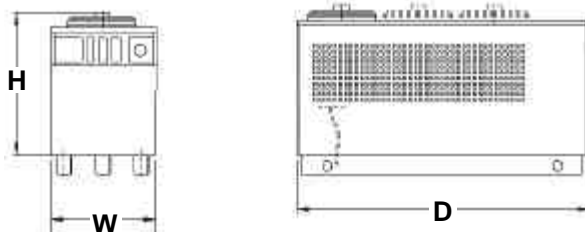
ACCPS Technical Data

Model Number		005	010	015	020	030	050	070	090	100	125	150
Tons (Standard) ¹		0.5	1.0	1.7	2.2	3.3	4.8	6.7	9.0	10.7	12.8	14.4
BTUH (Standard) ¹		6200	12300	20400	26250	39500	57200	80000	108000	128000	153840	173000
Pump Information	Nom. HP	1/2	1/2	3/4	3/4	1	1	1 1/2	1 1/2	3	3	3
	GPM	1.2	2.4	4.2	5.5	8.0	12.0	16.0	22.0	26.0	32.7	35.0
	Head (ft.)	75	62	98	97	97	96	94	87	81	88	87
Compressor Information	Nom. HP	1/2	1	1 1/2	2	3	4 1/2	7	9	10	12	7
	Quantity	1	1	1	1	1	1	1	1	1	1	2
Electrical Information	Voltage ²	208/230/1/60			460/3/60							
	Max. Fuse FLA	12	20	10	12	17.5	25	35	40	50	60	50
	MCA	8.1	12.9	6.0	7.3	10.4	13.9	20.8	24.9	31.3	34.0	40.8
	MCA	9.1	14.8	7.4	8.2	11.5	15.9	22.4	26.8	35.7	40.0	40.6
Fan Information	Quantity	1	1	1	1	1	1	1	2	2	2	2
	Nom. HP	.15	.15	.20	.20	.50	.50	.75	1	1	1.5	1.5
	Total SCFM	650	1800	1950	1705	3500	3250	4650	6350	6200	9300	9300

- 1.) Chilled water supply 45°F, return 55°F, ambient 95°F
- 2.) Standard voltage shown. For optional voltages consult factory.
- 3.) Data is subject to change with the addition of optional equipment.

ACCPS Dimensional Data

Model Number	005	010	015	020	030	050	070	090	100	125	150
Height - in.	33.9	33.9	44.3	44.3	53.1	53.1	53.1	53.1	53.1	74.8	74.8
Width	29.2	29.2	21.2	21.2	29.3	29.3	29.3	29.3	29.3	33.8	33.8
Depth	21.7	21.7	38.7	38.7	42.9	42.9	64.9	64.9	64.9	87.8	87.8
Weight (lbs.)	165	176	280	308	418	473	682	755	803	1434	1573
Process Inlet Connection Size	1/2"	1/2"	3/4"	3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"	2"	2"
Process Outlet Connection Size	1/2"	1/2"	3/4"	3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"	2"	2"



Note: All Dimensions are subject to change without notice.

ACCPS Capacities at Various Conditions Chart

ACCPS 005

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	0.53	0.50	0.49	0.47	0.45
44°	0.55	0.52	0.51	0.49	0.47
45°	0.56	0.53	0.52	0.50	0.48
50°	0.63	0.59	0.57	0.55	0.53
55°	0.68	0.64	0.63	0.60	0.58
60°	0.73	0.69	0.67	0.64	0.62

ACCPS 010

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	1.05	0.99	0.96	0.92	0.90
44°	1.09	1.03	1.00	0.96	0.93
45°	1.12	1.06	1.03	0.98	0.95
50°	1.24	1.17	1.14	1.09	1.06
55°	1.35	1.28	1.24	1.19	1.15
60°	1.45	1.37	1.33	1.28	1.24

ACCPS 015

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	1.74	1.65	1.60	1.53	1.49
44°	1.82	1.72	1.67	1.60	1.55
45°	1.85	1.75	1.70	1.63	1.58
50°	2.06	1.94	1.89	1.81	1.75
55°	2.24	2.12	2.06	1.97	1.91
60°	2.41	2.28	2.21	2.12	2.06

ACCPS 020

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	2.24	2.12	2.06	1.97	1.91
44°	2.34	2.21	2.14	2.06	1.99
45°	2.38	2.25	2.19	2.10	2.03
50°	2.65	2.50	2.43	2.33	2.26
55°	2.89	2.73	2.65	2.54	2.46
60°	3.10	2.93	2.84	2.73	2.64

ACCPS 030

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	3.37	3.19	3.09	2.97	2.88
44°	3.52	3.32	3.23	3.10	3.00
45°	3.59	3.39	3.29	3.16	3.06
50°	3.98	3.76	3.65	3.51	3.40
55°	4.34	4.10	3.98	3.82	3.70
60°	4.66	4.41	4.28	4.11	3.98

ACCPS 050

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	4.88	4.62	4.48	4.30	4.17
44°	5.09	4.81	4.67	4.48	4.34
45°	5.20	4.91	4.77	4.58	4.43
50°	5.77	5.45	5.29	5.08	4.92
55°	6.29	5.94	5.77	5.54	5.36
60°	6.75	6.38	6.20	5.95	5.76

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

ACCPS Capacities at Various Conditions Chart

ACCPS 070

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	6.83	6.45	6.27	6.02	5.83
44°	7.12	6.73	6.53	6.27	6.08
45°	7.27	6.87	6.67	6.40	6.20
50°	8.07	7.62	7.40	7.10	6.88
55°	8.79	8.31	8.07	7.74	7.50
60°	9.45	8.93	8.67	8.32	8.06

ACCPS 090

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	9.22	8.71	8.46	8.12	7.87
44°	9.61	9.08	8.82	8.47	8.20
45°	9.81	9.27	9.00	8.64	8.37
50°	10.89	10.29	9.99	9.59	9.29
55°	11.87	11.22	10.89	10.45	10.13
60°	12.75	12.05	11.70	11.23	10.88

ACCPS 100

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	10.93	10.33	10.03	9.63	9.32
44°	11.39	10.77	10.45	10.04	9.72
45°	11.63	10.99	10.67	10.24	9.92
50°	12.91	12.20	11.84	11.37	11.01
55°	14.07	13.29	12.91	12.39	12.00
60°	15.11	14.28	13.87	13.31	12.90

ACCPS 125

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	13.14	12.41	12.05	11.57	11.21
44°	13.69	12.94	12.56	12.06	11.68
45°	13.97	13.20	12.82	12.31	11.92
50°	15.51	14.66	14.23	13.66	13.23
55°	16.91	15.98	15.51	14.89	14.43
60°	18.17	17.17	16.67	16.00	15.50

ACCPS 150

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	14.77	13.96	13.55	13.01	12.60
44°	15.40	14.55	14.13	13.56	13.14
45°	15.71	14.85	14.42	13.84	13.41
50°	17.44	16.48	16.00	15.36	14.88
55°	19.01	17.97	17.44	16.75	16.22
60°	20.43	19.30	18.74	17.99	17.43

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

WCCPS Series

Water Cooled Packaged System Chillers 1/2 to 15 Tons

General Air Product's WCCPS Series brings you a fully integrated "Packaged System" ready to install with a minimum of labor and trades involved.

The only installation required is to connect electrical power and the inlet and outlet process line connections.

Microprocessor controlled, the WCCPS has close control of the leaving water temperatures and cycle time of the system under varying load conditions.

The unique "energy efficient" design allows a maximum of 10 starts per hour under low loads, extending the compressor life; no energy using hot gas valve to worry about.

The simplicity of the Energy Storage Cycling design means the unit handles load turn downs with ease. The standard tolerance of +/- 3.5 degrees F. under full cycle is adjustable with differential and off setting adjustments.

The storage tank allows a "buffer" for the system maintaining stable temperatures even under widely fluctuating loads. The built in process pump simplifies the circuit components, no other add on's required.



Standard Features:

- built-in, insulated energy storage tank
- micro-processor controlled with alarms
- built-in process pump with anti-dead head by-pass
- low water pressure drop
- high ambient operation
- easy access for maintenance
- suitability for open or closed fluid circuits
- designed for internal or external use

Equipment Options:

- standard pump removal (deduct)
- high head pump
- scroll compressors available
- centrifugal fans - for heat recovery
- open system reservoir tank
- expansion tanks & auto fill kit
- glycol filling kit
- non ferrous water circuit
- variable speed fans
- coated condenser coils

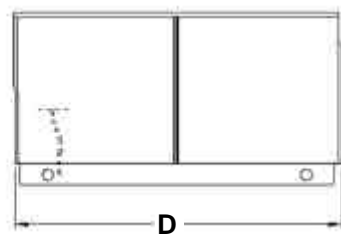
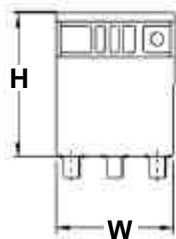
WCCPS Technical Data

Model Number		015	020	030	050	070	090	100	125	150
Tons (Standard) ¹		1.7	2.2	3.2	5.0	7.0	9.1	11.2	13.2	15.2
BTUH (Standard) ¹		20700	26600	39000	60400	83700	109700	134800	158900	183100
Pump Information	Nom. HP	3/4	3/4	1	1	1 1/2	1 1/2	3	3	3
	GPM	4.2	5.5	8.0	12.0	16.0	22.0	26.0	32.7	35.0
	Head (ft.)	98	97	97	96	94	87	81	88	87
Compressor Information	Nom. HP	1 1/2	2	3	5	7	9	11	12	7 1/2
	Quantity	1	1	1	1	1	1	1	1	2
Electrical Information	Voltage ²	460/3/60								
	Max. Fuse	9	12	15	20	30	40	50	50	50
	FLA	5.3	6.9	9.4	13.0	19.0	23.0	29.0	29.0	37.0
	MCA	6.3	7.8	10.7	15.0	21.2	25.1	33.8	34.2	38.8
Condenser Flow (GPM)		2.9	4.0	6.4	11.7	19.0	23.0	25.0	29.0	37.0

- 1.) Chilled water supply 45°F, return 55°F, condenser water inlet 85°F
- 2.) Standard voltage shown. For optional voltages consult factory.
- 3.) Data is subject to change with the addition of optional equipment.

WCCPS Dimensional Data

Model Number	015	020	030	050	070	090	100	125	150
Height - in.(mm)	41.2	41.2	47.3	47.3	47.3	47.3	47.3	68.5	68.5
Width	21.2	21.2	29.3	29.3	29.3	29.3	29.3	33.8	33.8
Depth	38.7	38.7	42.9	42.9	64.9	64.9	64.9	87.8	87.8
Weight (lbs.)	280	308	418	473	682	755	803	1434	1573
Process Inlet Connection Size	3/4"	3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"	2"	2"
Process Outlet Connection Size	3/4"	3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"	2"	2"
Chilled Water Connection Size	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	2"	2"



Note: All Dimensions are subject to change without notice.

WCCPS Capacities at Various Conditions Chart

WCCPS 015

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	1.89	1.84	1.78	1.71	1.66	1.60	1.55
44°	1.94	1.89	1.83	1.76	1.71	1.65	1.60
45°	1.97	1.92	1.86	1.79	1.73	1.67	1.62
50°	2.17	2.11	2.05	1.96	1.90	1.84	1.78
55°	2.37	2.30	2.23	2.14	2.08	2.01	1.94
60°	2.56	2.49	2.42	2.32	2.25	2.18	2.10

WCCPS 020

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	2.43	2.36	2.29	2.20	2.13	2.06	1.99
44°	2.50	2.43	2.36	2.26	2.19	2.12	2.05
45°	2.53	2.46	2.39	2.29	2.22	2.15	2.08
50°	2.79	2.71	2.63	2.52	2.44	2.37	2.29
55°	3.04	2.95	2.87	2.75	2.67	2.58	2.50
60°	3.29	3.20	3.11	2.98	2.89	2.80	2.70

WCCPS 030

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	3.55	3.45	3.35	3.22	3.12	3.02	2.92
44°	3.66	3.55	3.45	3.31	3.21	3.11	3.00
45°	3.71	3.61	3.50	3.36	3.26	3.15	3.05
50°	4.08	3.97	3.85	3.70	3.58	3.47	3.35
55°	4.45	4.33	4.20	4.03	3.91	3.78	3.65
60°	4.82	4.69	4.55	4.37	4.23	4.10	3.96

WCCPS 050

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	5.50	5.35	5.19	4.98	4.83	4.67	4.52
44°	5.66	5.50	5.34	5.13	4.97	4.81	4.65
45°	5.75	5.58	5.42	5.20	5.04	4.88	4.72
50°	6.32	6.14	5.96	5.72	5.54	5.37	5.19
55°	6.89	6.70	6.50	6.24	6.05	5.85	5.66
60°	7.47	7.26	7.05	6.76	6.55	6.34	6.13

WCCPS 070

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	7.62	7.40	7.19	6.90	6.68	6.47	6.25
44°	7.84	7.62	7.40	7.10	6.88	6.66	6.43
45°	7.95	7.73	7.50	7.20	6.98	6.75	6.53
50°	8.75	8.50	8.25	7.92	7.67	7.43	7.18
55°	9.54	9.27	9.00	8.64	8.37	8.10	7.83
60°	10.34	10.04	9.75	9.36	9.07	8.78	8.48

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

WCCPS Capacities at Various Conditions Chart

WCCPS 090

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	9.98	9.70	9.42	9.04	8.76	8.48	8.19
44°	10.27	9.98	9.69	9.30	9.01	8.72	8.43
45°	10.42	10.12	9.83	9.44	9.14	8.85	8.55
50°	11.46	11.14	10.81	10.38	10.06	9.73	9.41
55°	12.50	12.15	11.80	11.32	10.97	10.62	10.26
60°	13.55	13.16	12.78	12.27	11.88	11.50	11.12

WCCPS 100

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	12.27	11.92	11.57	11.11	10.76	10.42	10.07
44°	12.63	12.27	11.91	11.43	11.08	10.72	10.36
45°	12.80	12.44	12.08	11.60	11.23	10.87	10.51
50°	14.09	13.69	13.29	12.76	12.36	11.96	11.56
55°	15.37	14.93	14.50	13.92	13.48	13.05	12.61
60°	16.65	16.18	15.70	15.08	14.60	14.13	13.66

WCCPS 125

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	14.46	14.05	13.64	13.10	12.69	12.28	11.87
44°	14.88	14.46	14.04	13.48	13.06	12.64	12.22
45°	15.09	14.67	14.24	13.67	13.24	12.82	12.39
50°	16.60	16.13	15.66	15.04	14.57	14.10	13.63
55°	18.11	17.60	17.09	16.40	15.89	15.38	14.87
60°	19.62	19.07	18.51	17.77	17.22	16.66	16.11

WCCPS 150

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)						
	75°	80°	85°	90°	95°	100°	105°
42°	16.66	16.19	15.72	15.09	14.62	14.15	13.68
44°	17.15	16.67	16.18	15.53	15.05	14.56	14.08
45°	17.39	16.90	16.41	15.75	15.26	14.77	14.28
50°	19.13	18.59	18.05	17.33	16.79	16.25	15.70
55°	20.87	20.28	19.69	18.90	18.31	17.72	17.13
60°	22.61	21.97	21.33	20.48	19.84	19.20	18.56

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

ACC Series

Air Cooled Chillers 1/2 to 15 Tons



General Air Products, Inc. ACC Series Chillers have close approach insulated, brazed plate evaporators, excellent life expectancy, and superior heat transfer. The digital temperature controls maintain the leaving water temperature within +/- 1°F at full rated flow.

The ACC Series has an excellent compliment of safety features protecting the unit against all common operating and environmental challenges.

Highly reliable, hermetically sealed refrigerant compressors keep the system running through the variations in load.



ACC Standard Features:

- Stainless Steel brazed plate evaporator
- Hermetic compressor with crankcase heater & suction accumulator
- Water flow switch
- Hot gas by-pass capacity control with time delays
- On/Off switch for control circuit operation
- Manual compressor lead lag switch on dual circuit units
- Return fluid sensing thermostat
- High and Low pressure refrigerant control
- LED 24v thermometers on water inlet/outlet
- Compressor and control circuit fusing with contactor
- Liquid line drier, sight-glass, solenoid, TEV

ACC with Tank (ACCT) Standard Features:

- Stainless Steel storage tank
- Stainless Steel re-circulation pump
- Isolation Ball Valve for Strainer
- Cleanable Strainer
- Tank Pressure Relief Valve
- Vent and drain connections for tank

Equipment Options:

- Water temperature freeze thermostat
- Fused disconnect
- Refrigerant suction / discharge gauge set
- Stainless Steel system process pump
- Other options available upon request

ACC Technical Data

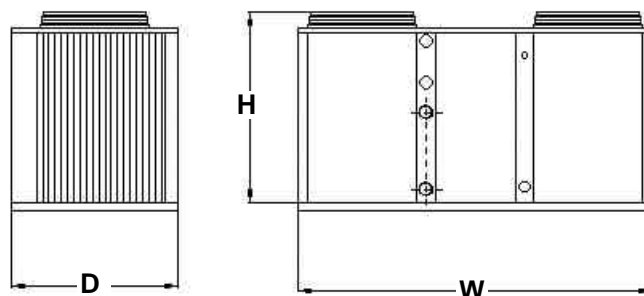
Model Number		010	015	020	025	030	040	050	060	075	080	100	120	150
Tons (Standard) ¹		1.1	1.5	2.1	2.5	3.0	4.2	4.6	6.0	8.1	8.6	9.3	10.6	14.0
BTUH (Standard) ¹		12600	18300	24600	30800	36100	50500	55900	72000	97000	103000	112000	127000	167700
Pump Information	Nom. HP	1	1 1/2	2	2 1/2	3	4	4 1/2	6	8	8 1/2	9	10 1/2	14
	GPM	2.4	3.5	4.8	6.0	7.1	9.8	10.9	13.6	18.8	20.2	22.0	24.8	37.2
	Head (ft.)	100	100	100	100	100	100	100	100	100	100	100	100	100
Compressor Information	Nom. HP	1	1 1/2	2	2 1/2	3	4	5	3	9	4	5	12	9
	Quantity	1	1	1	1	1	1	1	2	1	2	2	1	2
Electrical Information	Voltage ²	208/230/1/60						460/3/60						
	Max. Fuse ⁴	20	25	30	40	45	20	25	30	50	40	50	70	90
	FLA ⁴	10.5	13.5	16.1	19.1	20.4	9.4	11.2	15.2	22.5	18.8	22.4	30.8	41.8
	MCA ⁴	12.3	16.1	19.3	23.1	24.7	11.4	13.6	16.7	27.3	20.8	24.8	37.7	46.6
Fan Information	Quantity	1	1	1	1	1	1	1	2	2	2	2	2	2
	Nom. HP	1	1 1/2	2	2 1/2	3	4	4 1/2	3	4	4 1/2	5	6	7
	Total SCFM	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF
Tank Size ⁵ (gal.)		30	30	30	30	30	60	60	60	90	90	90	90	135

- 1.) Chilled water supply 45°F, return 55°F, ambient 95°F.
- 2.) Standard voltage shown. For optional voltages consult factory.
- 3.) Data is subject to change with the addition of optional equipment.
Note: CF = Consult Factory

- 4.) For approximate values for systems with a tank multiply given values by 1.25.
- 5.) System includes pump and tank **only** with tank option (change ACC to ACCT in model number for this option).

ACC Dimensional Data

Model Number	010	015	020	025	030	040	050	060	075	080	100	120	150
Height - in.(mm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	47.0	40.0	47.0	47.0	40.0	47.0
Height w/ Tank- in.	60.0	60.0	60.0	60.0	66.0	66.0	66.0	73.0	68.0	73.0	73.0	68.0	73.0
Width	36.0	36.0	36.0	36.0	36.0	36.0	36.0	75.0	36.0	75.0	75.0	36.0	85.0
Depth	36.0	36.0	36.0	36.0	56.0	56.0	56.0	36.0	85.0	36.0	36.0	85.0	40.0
Weight (lbs.)	195	225	240	250	330	490	500	700	750	1000	1150	875	1200
Weight w/ Tank Option (lbs.)	500	525	540	560	630	750	890	900	1050	1200	1350	1200	1650
Process Inlet Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Process Outlet Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"



Note: All Dimensions are subject to change without notice.

ACC Capacities at Various Conditions Chart

ACC 010

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	1.08	1.00	0.97	0.92	0.88
44°	1.14	1.05	1.02	0.97	0.93
45°	1.17	1.08	1.05	1.00	0.96
50°	1.31	1.20	1.17	1.11	1.07
55°	1.47	1.36	1.32	1.25	1.20
60°	1.63	1.51	1.46	1.39	1.33

ACC 015

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	1.58	1.45	1.41	1.34	1.29
44°	1.65	1.52	1.48	1.40	1.35
45°	1.71	1.57	1.53	1.45	1.39
50°	1.96	1.81	1.75	1.67	1.60
55°	2.19	2.02	1.96	1.86	1.79
60°	2.42	2.23	2.16	2.05	1.97

ACC 020

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	2.14	1.98	1.92	1.82	1.75
44°	2.24	2.06	2.00	1.90	1.83
45°	2.29	2.12	2.05	1.95	1.87
50°	2.53	2.33	2.26	2.15	2.06
55°	2.79	2.57	2.49	2.37	2.27
60°	3.04	2.80	2.72	2.59	2.48

ACC 025

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	2.69	2.48	2.40	2.28	2.19
44°	2.80	2.58	2.50	2.38	2.28
45°	2.87	2.65	2.57	2.44	2.34
50°	3.17	2.92	2.83	2.70	2.59
55°	3.49	3.22	3.12	2.97	2.85
60°	3.81	3.52	3.41	3.24	3.11

ACC 030

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	3.12	2.88	2.79	2.66	2.55
44°	3.29	3.04	2.94	2.80	2.69
45°	3.37	3.10	3.01	2.86	2.75
50°	3.74	3.45	3.34	3.18	3.05
55°	4.15	3.83	3.71	3.53	3.39
60°	4.57	4.21	4.08	3.89	3.73

ACC 040

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	4.41	4.07	3.94	3.75	3.60
44°	4.59	4.23	4.10	3.90	3.74
45°	4.71	4.34	4.21	4.01	3.84
50°	5.13	4.73	4.58	4.36	4.18
55°	5.60	5.16	5.00	4.76	4.57
60°	6.06	5.59	5.42	5.16	4.95

ACC 050

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	4.90	4.52	4.38	4.17	3.99
44°	5.08	4.69	4.54	4.32	4.15
45°	5.21	4.81	4.66	4.43	4.25
50°	5.67	5.23	5.07	4.82	4.63
55°	6.16	5.68	5.51	5.24	5.03
60°	6.65	6.13	5.94	5.66	5.42

Important Notes:

- Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature.
- Values shown in tons (12000 BTU/H per Ton).

ACC Capacities at Various Conditions Chart

ACC 060

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	6.15	5.68	5.50	5.24	5.02
44°	6.34	5.85	5.67	5.39	5.17
45°	6.71	6.19	6.00	5.71	5.48
50°	7.27	6.71	6.50	6.19	5.93
55°	8.21	7.57	7.33	6.98	6.70
60°	8.95	8.26	8.00	7.62	7.30

ACC 075

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	8.49	7.83	7.58	7.22	6.92
44°	8.77	8.08	7.83	7.46	7.15
45°	9.05	8.34	8.08	7.70	7.38
50°	9.98	9.20	8.92	8.49	8.14
55°	10.91	10.06	9.75	9.28	8.90
60°	11.84	10.92	10.58	10.08	9.66

ACC 080

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	9.05	8.34	8.08	7.70	7.38
44°	9.42	8.69	8.42	8.01	7.68
45°	9.60	8.86	8.58	8.17	7.84
50°	10.54	9.72	9.42	8.96	8.60
55°	11.47	10.58	10.25	9.76	9.36
60°	12.40	11.44	11.08	10.55	10.12

ACC 100

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	9.79	9.03	8.75	8.33	7.99
44°	10.26	9.46	9.17	8.73	8.37
45°	10.44	9.63	9.33	8.89	8.52
50°	11.38	10.49	10.17	9.68	9.28
55°	12.50	11.52	11.17	10.63	10.20
60°	13.52	12.47	12.08	11.50	11.03

ACC 120

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	11.00	10.15	9.83	9.36	8.98
44°	11.56	10.66	10.33	9.84	9.43
45°	11.84	10.92	10.58	10.08	9.66
50°	13.15	12.13	11.75	11.19	10.73
55°	14.36	13.24	12.83	12.22	11.72
60°	15.67	14.45	14.00	13.33	12.78

ACC 150

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	14.69	13.55	13.13	12.50	11.98
44°	15.25	14.06	13.63	12.97	12.44
45°	15.64	14.42	13.98	13.30	12.76
50°	17.01	15.69	15.20	14.47	13.88
55°	18.49	17.05	16.53	15.73	15.09
60°	19.95	18.40	17.83	16.97	16.27

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

WCC Series

Water Cooled Chillers 1/2 to 15 Tons



General Air Products, Inc.
WCC Series Water Cooled Chillers offer insulated, DX, brazed plate evaporators along with the precision digital operating controls. These features keep the leaving water temperature within +/- 1°F at full rated flow.

Highly reliable, hermetically sealed refrigerant compressors keep the system running through the variations in load.

The WCC Series has an excellent compliment of safety features protecting the unit against all common operating and environmental challenges.



Shown with panels removed.

WCC Standard Features:

- Stainless Steel brazed plate evaporator
- Hermetic compressor with crankcase heater & suction accumulator
- Water flow switch
- Hot gas by-pass capacity control with time delays
- On/Off switch for control circuit operation
- Manual compressor lead lag switch on dual circuit units
- Return fluid sensing thermostat
- High and Low pressure refrigerant control
- LED 24v thermometers on water inlet/outlet
- Compressor and control circuit fusing with contactor
- Liquid line drier, sight-glass, solenoid, TEV
- 2-way Condenser water regulating valve

WCC with Tank (WCCT) Standard Features:

- Stainless Steel storage tank
- Stainless Steel re-circulation pump
- Isolation Ball Valve for Strainer
- Cleanable Strainer
- Tank Pressure Relief Valve
- Vent and drain connections for tank

Equipment Options:

- Water temperature freeze thermostat
- Fused disconnect
- Refrigerant suction / discharge gauge set
- Stainless Steel system process pump
- Other options available upon request

WCC Technical Data

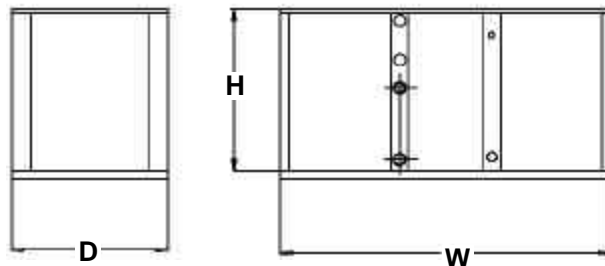
Model Number	010	015	020	025	030	040	050	060	075	080	100	120	150	
Tons (Standard) ¹	1.2	1.5	1.7	2.6	3.4	4.3	4.7	6.3	8.2	8.6	9.5	11.2	14.2	
BTUH (Standard) ¹	14300	18700	21300	32000	41400	51500	56500	76300	99300	103900	114000	135200	169700	
Pump Information	Nom. HP	1	1 1/2	2	2 1/2	3	4	4 1/2	6	8	8 1/2	9 1/2	11	14
	GPM	3.0	3.9	4.5	6.8	8.0	11.0	12.0	16.2	21.2	22.2	24.2	28.6	42.2
	Head (ft.)	100	100	100	100	100	100	100	100	100	100	100	100	100
Compressor Information	Nom. HP	1	1 1/2	2	2 1/2	3	4	5	3	9	4	5	12	9
	Quantity	1	1	1	1	1	1	1	2	1	2	2	1	2
Electrical Information	Voltage ²	208/230/1/60						460/3/60						
	Max. Fuse ⁴	15	20	25	35	35	15	20	25	40	35	40	60	80
	FLA ⁴	7.2	10.2	12.8	15.8	17.1	7.8	9.6	6.0	19.3	7.8	9.6	27.6	19.3
	MCA ⁴	9.0	12.8	16.0	19.8	21.4	9.8	12.0	13.5	24.1	17.6	21.6	34.5	43.4
Condenser Flow (GPM)	3.4	4.6	5.9	7.5	9.0	12.2	13.8	17.9	22.7	24.4	27.5	31.7	45.5	
Tank Size ⁵ (gal.)	30	30	30	30	60	60	60	90	90	90	90	90	135	

- 1.) Chilled water supply 45°F, return 55°F, ambient 95°F.
- 2.) Standard voltage shown. For optional voltages consult factory.
- 3.) Data is subject to change with the addition of optional equipment.

- 4.) For approximate values for systems with a tank multiply given values by 1.25.
- 5.) System includes pump and tank **only** with tank option (change WCC to WCCT in model number for this option).

WCC Dimensional Data

Model Number	010	015	020	025	030	040	050	060	075	080	100	120	150
Height - in.(mm)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	44.0	44.0	44.0	44.0	44.0	44.0
Height w/ Tank- in.	46.0	46.0	46.0	46.0	62.0	62.0	62.0	72.0	72.0	72.0	72.0	72.0	72.0
Width	28.0	28.0	28.0	28.0	28.0	28.0	28.0	56.0	36.0	56.0	56.0	36.0	56.0
Depth	44.0	44.0	44.0	44.0	44.0	44.0	44.0	36.0	56.0	36.0	36.0	56.0	36.0
Weight (lbs.)	185	210	225	235	315	350	425	665	695	875	1136	1095	1510
Weight w/ Tank Option (lbs.)	500	505	525	545	676	840	860	665	975	875	1136	1200	1500
Process Inlet Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Process Outlet Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Chilled Water Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1 1/4"	1"	1 1/4"	1 1/4"	1 1/4"



Note: All Dimensions are subject to change without notice.

WCC Capacities at Various Conditions Chart

WCC 010

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	1.18	1.09	1.02
44°	1.26	1.16	1.09
45°	1.30	1.20	1.12
50°	1.47	1.35	1.27
55°	1.66	1.53	1.43
60°	1.86	1.71	1.61

WCC 015

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	1.56	1.43	1.35
44°	1.65	1.52	1.43
45°	1.70	1.56	1.47
50°	1.93	1.78	1.67
55°	2.20	2.02	1.90
60°	2.48	2.28	2.14

WCC 020

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	1.79	1.65	1.55
44°	1.88	1.73	1.63
45°	1.93	1.78	1.67
50°	2.17	1.99	1.87
55°	2.43	2.23	2.10
60°	2.69	2.48	2.33

WCC 025

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	2.67	2.45	2.31
44°	2.82	2.59	2.44
45°	2.90	2.67	2.51
50°	3.25	2.99	2.81
55°	3.67	3.37	3.17
60°	4.08	3.75	3.52

WCC 030

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	3.17	2.91	2.74
44°	3.33	3.07	2.88
45°	3.75	3.45	3.24
50°	3.88	3.57	3.35
55°	4.33	3.99	3.75
60°	4.83	4.45	4.18

WCC 040

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	4.36	4.01	3.77
44°	4.57	4.20	3.95
45°	4.67	4.29	4.04
50°	5.17	4.75	4.47
55°	5.73	5.27	4.96
60°	6.33	5.83	5.48

WCC 050

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	4.79	4.41	4.14
44°	5.00	4.60	4.33
45°	5.13	4.72	4.43
50°	5.68	5.23	4.92
55°	6.33	5.83	5.48
60°	7.02	6.46	6.07

Important Notes:

- Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature.
- Values shown in tons (12000 BTU/H per Ton).

WCC Capacities at Various Conditions Chart

WCC 060

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	6.42	5.90	5.55
44°	6.75	6.21	5.84
45°	6.92	6.36	5.98
50°	7.75	7.13	6.70
55°	8.75	8.05	7.57
60°	9.75	8.97	8.43

WCC 075

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	8.42	7.74	7.28
44°	8.83	8.13	7.64
45°	9.00	8.28	7.79
50°	10.17	9.35	8.79
55°	11.33	10.43	9.80
60°	12.67	11.65	10.96

WCC 080

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	8.83	8.13	7.64
44°	9.25	8.51	8.00
45°	9.42	8.66	8.15
50°	10.42	9.58	9.01
55°	11.67	10.73	10.09
60°	12.83	11.81	11.10

WCC 100

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	9.58	8.82	8.29
44°	10.08	9.28	8.72
45°	10.33	9.51	8.94
50°	11.42	10.50	9.88
55°	12.83	11.81	11.10
60°	14.25	13.11	12.33

WCC 120

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	11.33	10.43	9.80
44°	11.92	10.96	10.31
45°	12.25	11.27	10.60
50°	13.58	12.50	11.75
55°	15.17	13.95	13.12
60°	16.67	15.33	14.42

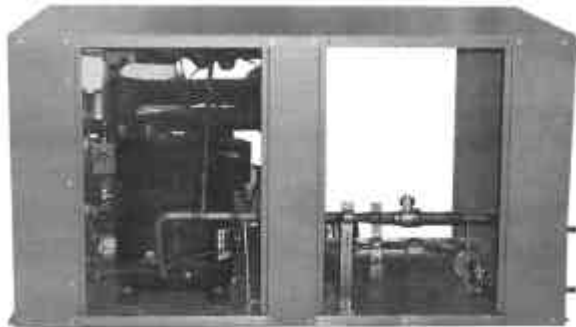
WCC 150

Leaving Water Temp. (°F)	Inlet Water Condenser Temp (°F)		
	85°	95°	105°
42°	14.38	13.23	12.43
44°	15.00	13.80	12.98
45°	15.38	14.15	13.30
50°	17.04	15.68	14.74
55°	19.00	17.48	16.44
60°	21.00	19.32	18.17

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

ACCS Series

Air Cooled Split System Chillers 1/2 to 15 Tons



Shown with panels removed.

The ACCS Series Air Cooled Split System Chillers from General Air Products, Inc. are perfect for areas that require outside exhaust of the acquired heat from the chilling process.

The remote condenser allows you to keep the process area cool without sacrificing performance. Shipped with a complete factory charge, the ACCS gives you excellent control of the leaving water temperature and complete flexibility of the set point.

A corrosion resistant, close tolerance evaporator allows the process to be held to a +/- 2°F differential at full load.

ACCS Standard Features:

- Outdoor condenser section
- Stainless Steel brazed plate evaporator
- Hermetic compressor with crankcase heater & suction accumulator
- Water flow switch
- Hot gas by-pass capacity control with time delays
- On/Off switch for control circuit operation
- Manual compressor lead lag switch on dual circuit units
- Return fluid sensing thermostat
- High and Low pressure refrigerant control
- LED 24v thermometers on water inlet/outlet
- Compressor and control circuit fusing with contactor
- Liquid line drier, sight-glass, solenoid, TEV
- Refrigerant isolation valves for easy installation

ACCS with Tank (ACCST) Standard Features:

- Stainless Steel storage tank
- Stainless Steel re-circulation pump
- Isolation Ball Valve for Strainer
- Cleanable Strainer
- Tank Pressure Relief Valve
- Vent and drain connections for tank

Equipment Options:

- Water temperature freeze thermostat
- Fused disconnect
- Refrigerant suction / discharge gauge set
- Stainless Steel system process pump
- Other options available upon request

ACCS Technical Data

Exchanger Section

Model Number		010	015	020	025	030	040	050	060	075	080	100	120	150
Tons (Standard) ¹		1.1	1.5	2.1	2.5	3.0	4.2	4.6	6.0	8.1	8.6	9.3	10.6	14.0
BTUH (Standard) ¹		12600	18300	24600	30800	36100	50500	55900	72000	97000	103000	112000	127000	167700
Pump Information	Nom. HP	1	1 1/2	2	2 1/2	3	4	4 1/2	6	8	8 1/2	9	10 1/2	14
	GPM	2.4	3.5	4.8	6.0	7.1	9.8	10.9	13.6	18.8	20.2	22.0	24.8	37.2
	Head (ft.)	100	100	100	100	100	100	100	100	100	100	100	100	100
Compressor Information	Nom. HP	1	1 1/2	2	2 1/2	3	4	5	3	9	4	5	12	9
	Quantity	1	1	1	1	1	1	1	2	1	2	2	1	2
Electrical Information	Voltage ²	208/230/1/60					460/3/60							
	Max. Fuse ⁴	20	25	30	40	45	20	25	30	50	40	50	70	90
	FLA ⁴	10.5	13.5	16.1	19.1	20.4	9.4	11.2	15.2	22.5	18.8	22.4	30.8	41.8
	MCA ⁴	12.3	16.1	19.3	23.1	24.7	11.4	13.6	16.7	27.3	20.8	24.8	37.7	46.6
Tank Size ³ (gal.)		30	30	30	30	30	60	60	60	90	90	90	90	135

- 1.) Chilled water supply 45°F, return 55°F, ambient 95°F.
- 2.) Standard voltage shown. For optional voltages consult factory.
- 3.) Data is subject to change with the addition of optional equipment.

- 4.) For approximate values for systems with a tank multiply given values by 1.25.
- 5.) System includes pump and tank **only** with tank option (change ACCS to ACCST in model number for this option).

Condenser Section

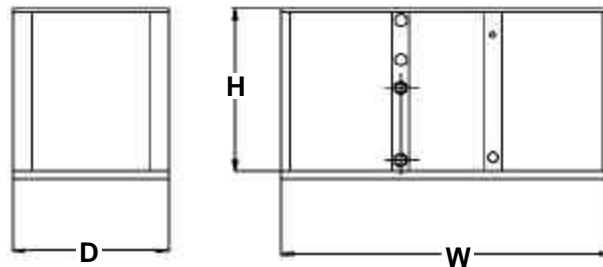
Model Number		010	015	020	025	030	040	050	060	075	080	100	120	150
Fan Information	Quantity	1	1	1	1	1	1	1	2	2	2	2	2	2
	Nom. HP	1	1 1/2	2	2 1/2	3	4	4 1/2	3	4	4 1/2	5	6	7
	Total SCFM	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF

CF = Consult Factory

ACCS Dimensional Data

Exchanger Section

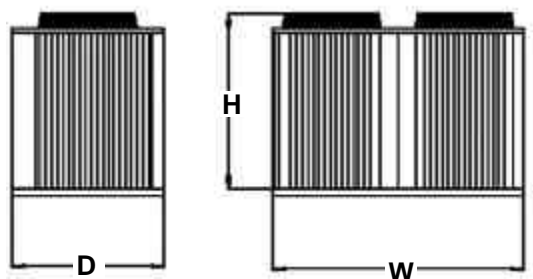
Model Number	010	015	020	025	030	040	050	060	075	080	100	120	150	
Height - in.	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	40.0	36.0	40.0	40.0	36.0	40.0
Height w/ Tank- in.	52.0	52.0	52.0	52.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
Width	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	65.0	28.0	65.0	65.0	28.0	65.0
Depth	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	30.0	44.0	30.0	30.0	44.0	30.0
Weight (lbs.)	155	185	200	210	390	450	460	550	700	850	1000	750	1100	
Weight w/ Tank Option (lbs.)	400	425	440	460	530	650	790	1000	950	1300	1450	1000	1550	
Process Inlet Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Process Outlet Connection Size	3/4"	3/4"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"



Note: All Dimensions are subject to change without notice.

Condenser Section

Model Number	010	015	020	025	030	040	050	060	075	080	100	120	150
Height - in.	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
Width	36.0	36.0	36.0	36.0	36.0	36.0	36.0	75.0	36.0	75.0	75.0	36.0	85.0
Depth	36.0	36.0	36.0	36.0	56.0	56.0	56.0	36.0	56.0	36.0	36.0	56.0	40.0
Weight (lbs.)	125	135	145	200	225	245	255	500	355	525	650	400	750
Refrigeration Discharge Conn.	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"	3/4"
Refrigeration Liquid Conn.	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	5/8"	1/2"	1/2"	5/8"	5/8"



Note: All Dimensions are subject to change without notice.

ACCS Capacities at Various Conditions Chart

ACCS 010

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	1.08	1.00	0.97	0.92	0.88
44°	1.14	1.05	1.02	0.97	0.93
45°	1.17	1.08	1.05	1.00	0.96
50°	1.31	1.20	1.17	1.11	1.07
55°	1.47	1.36	1.32	1.25	1.20
60°	1.63	1.51	1.46	1.39	1.33

ACCS 015

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	1.58	1.45	1.41	1.34	1.29
44°	1.65	1.52	1.48	1.40	1.35
45°	1.71	1.57	1.53	1.45	1.39
50°	1.96	1.81	1.75	1.67	1.60
55°	2.19	2.02	1.96	1.86	1.79
60°	2.42	2.23	2.16	2.05	1.97

ACCS 020

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	2.14	1.98	1.92	1.82	1.75
44°	2.24	2.06	2.00	1.90	1.83
45°	2.29	2.12	2.05	1.95	1.87
50°	2.53	2.33	2.26	2.15	2.06
55°	2.79	2.57	2.49	2.37	2.27
60°	3.04	2.80	2.72	2.59	2.48

ACCS 025

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	2.69	2.48	2.40	2.28	2.19
44°	2.80	2.58	2.50	2.38	2.28
45°	2.87	2.65	2.57	2.44	2.34
50°	3.17	2.92	2.83	2.70	2.59
55°	3.49	3.22	3.12	2.97	2.85
60°	3.81	3.52	3.41	3.24	3.11

ACCS 030

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	3.12	2.88	2.79	2.66	2.55
44°	3.29	3.04	2.94	2.80	2.69
45°	3.37	3.10	3.01	2.86	2.75
50°	3.74	3.45	3.34	3.18	3.05
55°	4.15	3.83	3.71	3.53	3.39
60°	4.57	4.21	4.08	3.89	3.73

ACCS 040

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	4.41	4.07	3.94	3.75	3.60
44°	4.59	4.23	4.10	3.90	3.74
45°	4.71	4.34	4.21	4.01	3.84
50°	5.13	4.73	4.58	4.36	4.18
55°	5.60	5.16	5.00	4.76	4.57
60°	6.06	5.59	5.42	5.16	4.95

ACCS 050

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	4.90	4.52	4.38	4.17	3.99
44°	5.08	4.69	4.54	4.32	4.15
45°	5.21	4.81	4.66	4.43	4.25
50°	5.67	5.23	5.07	4.82	4.63
55°	6.16	5.68	5.51	5.24	5.03
60°	6.65	6.13	5.94	5.66	5.42

Important Notes:

- Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature.
- Values shown in tons (12000 BTU/H per Ton).

ACCS Capacities at Various Conditions Chart

ACCS 060

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	6.15	5.68	5.50	5.24	5.02
44°	6.34	5.85	5.67	5.39	5.17
45°	6.71	6.19	6.00	5.71	5.48
50°	7.27	6.71	6.50	6.19	5.93
55°	8.21	7.57	7.33	6.98	6.70
60°	8.95	8.26	8.00	7.62	7.30

ACCS 075

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	8.49	7.83	7.58	7.22	6.92
44°	8.77	8.08	7.83	7.46	7.15
45°	9.05	8.34	8.08	7.70	7.38
50°	9.98	9.20	8.92	8.49	8.14
55°	10.91	10.06	9.75	9.28	8.90
60°	11.84	10.92	10.58	10.08	9.66

ACCS 080

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	9.05	8.34	8.08	7.70	7.38
44°	9.42	8.69	8.42	8.01	7.68
45°	9.60	8.86	8.58	8.17	7.84
50°	10.54	9.72	9.42	8.96	8.60
55°	11.47	10.58	10.25	9.76	9.36
60°	12.40	11.44	11.08	10.55	10.12

ACCS 100

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	9.79	9.03	8.75	8.33	7.99
44°	10.26	9.46	9.17	8.73	8.37
45°	10.44	9.63	9.33	8.89	8.52
50°	11.38	10.49	10.17	9.68	9.28
55°	12.50	11.52	11.17	10.63	10.20
60°	13.52	12.47	12.08	11.50	11.03

ACCS 120

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	11.00	10.15	9.83	9.36	8.98
44°	11.56	10.66	10.33	9.84	9.43
45°	11.84	10.92	10.58	10.08	9.66
50°	13.15	12.13	11.75	11.19	10.73
55°	14.36	13.24	12.83	12.22	11.72
60°	15.67	14.45	14.00	13.33	12.78

ACCS 150

Leaving Water Temp. (°F)	Ambient Air Temperature (°F)				
	80°	90°	95°	100°	105°
42°	14.69	13.55	13.13	12.50	11.98
44°	15.25	14.06	13.63	12.97	12.44
45°	15.64	14.42	13.98	13.30	12.76
50°	17.01	15.69	15.20	14.47	13.88
55°	18.49	17.05	16.53	15.73	15.09
60°	19.95	18.40	17.83	16.97	16.27

Important Notes: Standard conditions are 95°F inlet water condenser temperature and 45°F leaving water temperature. Values shown in tons (12000 BTU/H per Ton).

Chiller Accessories

TDH Pumps (100') and Pump Panels

Pump Model #	Pump HP	Flow (GPM)	Head (Feet)	Suction / Discharge	Panel Model #	Panel Description
CPA0V4	1/2	16	68	1.25" / 1"	PSP0V4	1/2 HP Starter Panel, 460/60/3 VAC
CPA0X4	1	25	92	1.25" / 1"	PSP0X4	1 HP Starter Panel, 460/60/3 VAC
CPA0Y4	1 1/2	30	108	1.25" / 1"	PSP0Y4	1 1/2 HP Starter Panel, 460/60/3 VAC
CPA0A4	2	35	100	1.25" / 1"	PSP0A4	2 HP Starter Panel, 460/60/3 VAC
CPA0W4	3 (up to 60 GPM)	60	100	1.5" / 1.25"	PSP0B4	3 HP Starter Panel, 460/60/3 VAC
CPA0B4	3 (60-80 GPM)	80	100	2" / 1.5"	PSP0B4	3 HP Starter Panel, 460/60/3 VAC
CPA0C4	5	140	100	2" / 2"	PSP0C4	5 HP Starter Panel, 460/60/3 VAC
CPA0A4H	2	15	132	1.5" / 1.25"	PSP0A4	2 HP Starter Panel, 460/60/3 VAC
CPA0W4H	3	30	150	2" / 1.5"	PSP0B4	3 HP Starter Panel, 460/60/3 VAC
CPA0C4H	5 (up to 35 GPM)	35	160	2" 1.5"	PSP0C4	5 HP Starter Panel, 460/60/3 VAC
CPA0Z4H	5 (up to 80 GPM)	80	150	2.5" / 2"	PSP0C4	5 HP Starter Panel, 460/60/3 VAC

Consult factory for additional voltages.

General Air Products' Fluid Pumping Stations

Simplex Model #	Duplex Model #	GPM	Head (Feet)	Pump HP
FPSVS44	FPSVD44	16	68	1/2
FPSXS44	FPSXD44	25	98	1
FPSYS44	FPSYD44	30	108	1 1/2
FPSZS44	FPSZD44	35	80	2
FPSAS44	FPSAD44	35	100	2
FPSWS44	FPSWD44	60	100	3
FPSBS44	FPSBD44	80	100	3
FPSCS44	FPSCD44	123	100	5

Closed Circuit Accessory Kit -
includes: expansion tank, air separator, air vent, Y-strainer, check valve, and relief valve.

Kit Number	Connection Size (NPT)
KSE100	1"
KSE114	1 1/4"
KSE112	1 1/2"
KSE200	2"

Closed Circuit Water Make-Up Kit - Model Number: WMK-REG

Regulates incoming make-up supply to process pressure.

High Point Vent Kit - Model Number: KCVV-50

Vents air from pressure system.

Open Circuit Fluid Reservoir Kit (Expansion / Level Kit)

Model Number: CRTK-3, CRTK-10

Storage, expansion tank for reservoir capacity on "open" systems. Available in 3 gallon and 10 gallon sizes.

Additional Options and Custom Units are Available - Consult Factory

General Air Products, Inc.
604 Jeffers Circle
Exton, PA 19341

Phone: 610-524-8950
Fax: 610-524-8965

**Call Toll Free 1-800-345-8207 or
visit us on the web at
www.GENERALAIRPRODUCTS.com**