CAE
Product Specifications

6-1/3 and 7-1/2 Ton Split System Air Conditioner (3 Phase) 75 to 89 MBtuh R-22 Refrigerant

REFRIGERATION CIRCUIT

- Copeland scroll compressors on all models with single refrigeration circuit.
- CAE075 meets Ashrae 90.1 efficiency standards.
- CAE090 has two stage cooling that provides efficient operation during non-peak periods.
- Copper tube / aluminum fin coil
- High and Low pressure switches
- 0° F Low ambient fan control device
- Crankcase heater for compressor protection in low ambient conditions.

BUILT TO LAST

- Triple-coated steel, consisting of a polyester top coat, a urethane primer coat preceded by an oxide pretreatment.
- Enhanced aluminum fins mechanically bonded to copper tubes for improved heat transfer
- Pre-painted fins provide additional corrosion resistance.
- Enhanced inlet grille with 3/8" spacing for extra coil protection.

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports

WARRANTY

- 5 year compressor limited warranty
- 1 year parts limited warranty

UNIT PERFORMANCE DATA (3 Phase - 60 Hz)

Model Number	COOLING		Voltage - Phase - Hz	Unit Dimensions H x W x D	Shipping Weight
	Nominal Capacity BTUH	E.E.R			
CAE075GHC	75,000	10.3	208/230-3-60	38-1/2 X 33 X 35	337
CAE075GLC	75,000	10.3	460-3-60	38-1/2 X 33 X 35	337
CAE075GSC	75,000	10.3	575-3-60	38-1/2 X 33 X 35	337
CAE090GHC	89,000	9.9	208/230-3-60	42-1/2 X 33 X 35	450
CAE090GLC	89,000	9.9	460-3-60	42-1/2 X 33 X 35	450
CAE090GSC	89,000	9.9	575-3-60	42-1/2 X 33 X 35	450

NOTE: CAE075 Models are matched with BAC090 / ABC090 Air Handlers.
CAE090 Models are matched with BAC120 / ABC120 Air Handlers.

	UNIT SPECIFICATIONS - CAE075		
Electrical	**CAE075GHC**	**CAE075GLC**	**CAE075GSC**
Volts / Phase / Hertz	208-230/3/60	460/3/60	575/3/60
Voltage Min - Max	187-253	414-506	517-633
Total Unit Amps	24.0	12.1	8.8
Min. Circuit Amp.	28.7	14.5	10.7
Minimum Fuse Size	35	20	15
Max. Fuse	45	20	15
Compressor			
RLA	18.9	9.5	7.6
LRA	146	73	58
Type	Scroll - SRY752ACO1	Scroll - SRH752ACO1	Scroll - SRJ752ACO1
Condenser Fan Data			
Quantity	1	1	1
Volts/Phase/Hertz	208-230/1/60	460/1/60	575/1/60
FLA	5.1	2.6	1.2
LRA	10.3	5.33	3.9
Blades/Diameter/Pitch	3/26/28	3/26/28	3/26/28
Hp - Rpm - Speeds	3/4-1100-1	3/4-1100-1	3/4-1140-1
Bearing Type	Sleeve	Sleeve	Sleeve
Rotation (Shaft End)	CW	CW	CW
Max. CFM	5300	5300	5300
Condenser Coil			
Rows / Fins per Inch	2 / 18	2 / 18	2 / 18
Total Face Area-Sq, ft.	23.58	23.58	23.58
Tube Diameter	3/8	3/8	3/8
Refrigerant			
Type	R-22	R-22	R-22
Ounces	Units Shipped with Holding Charge		
Approximate Operating Charge - Ounces, Based On BAC Series Air Handler	317		
Line Size Liquid I.D. (in.)	1/2	1/2	1/2
Line Size Suction I.D. (in.)	1-1/8	1-1/8	1-1/8
Controls			
Compressor IPR Valve (psi) Differential	375-450	375-450	375-450
High Press. Switch Auto Reset - Open / Close psi	420-300	420-300	420-300
Low Press. Switch Auto Reset - Open- Close psi	5 - 20	5 - 20	5 - 20
Contactor Amps. (FLA)	30	30	30
Low Ambient Control - Actuattion / Release	250 / 100	250 / 100	250 / 100
Crankcase Heater Type	Strap On	Strap On	Strap On
Misc.			
Shipping Weight	337	337	337

PERFORMANCE DATA COOLING

UNIT	Rated Capacity Btuh [1]	S/T	EER	I.P.L.V.	Capacity Stages % Cooling	Evaporator Rated Airflow
CAE075	75,000	.73	10.3	N / A	100	2700 CFM

[1] Net Capacity Ratings based on ARI Test Standards, 95° F Amb. 80° F DB / 67° F WB.

NOTE: CAE075 Models are matched with BAC090 / ABC090 Air Handlers.

Condensor Capacity Data- CAE075

SATURATED SUCTION TEMP. - °F	OUTDOOR TEMPERATURE °F								
	75	80	85	90	95	100	105	110	115
	GROSS CONDENSER CAPACITY (MBTU/HR)								
35	71	70	68	66	64	62	61	58	56
40	79	77	75	73	71	69	67	64	62
45	86	84	82	80	**78**	75	73	70	68
50	94	92	90	87	85	82	80	77	74
	COMPRESSOR & CONDENSER FAN POWER (KW)								
35	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.8	6.1
40	4.7	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.9
45	4.8	5.0	5.2	5.4	**5.7**	5.9	6.2	6.5	6.7
50	4.9	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.9
	GROSS EER (GROSS CAPACITY ÷ COMPRESSER & FAN POWER)								
35	17.4	16.2	15.1	14.0	12.9	11.9	11.0	10.1	9.3
40	16.8	15.7	14.7	13.7	12.7	11.8	11.0	10.1	9.0
45	18.0	16.8	15.7	14.7	13.7	12.7	11.8	10.9	10.1
50	19.2	18.0	16.8	15.7	14.6	13.6	12.6	11.7	10.8

	UNIT SPECIFICATIONS - CAE090		
Electrical	**CAE090GHC**	**CAE090GLC**	**CAE090GSC**
Volts / Phase / Hertz	208-230/3/60	460/3/60	575/3/60
Voltage Min - Max	197-253	414-506	517-633
Total Unit Amps	32.0	17.3	12.7
Min. Circuit Amp.	35.4	19.2	14.2
Minimum Fuse Size	40	25	20
Max. Fuse	45	25	20
Compressor - PER COMPRESSOR			
RLA	13.4	7.37	5.77
LRA	120.0	49.5	40.0
Type	Tandem Scroll - ZRT92K3TF5	Tandem Scroll - ZRT92K3TFD	Tandem Scroll - ZRT92K3TFE
Condenser Fan Data			
Quantity	1	1	1
Volts/Phase/Hertz	208-230/1/60	460/1/60	575/1/60
FLA	5.1	2.57	1.2
LRA	10.3	5.33	3.9
Blades/Diameter/Pitch	3/26/28	3/26/28	3/26/28
Hp - Rpm - Speeds	3/4-1100-1	3/4-1100-1	3/4-1140-1
Bearing Type	Sleeve	Sleeve	Sleeve
Rotation (Shaft End)	CW	CW	CW
Max. CFM	5300	5300	5300
Condenser Coil			
Rows / Fins per Inch	2/22	2/22	2/22
Total Face Area-Sq, ft.	26.19	26.19	26.19
Tube Diameter	3/8	3/8	3/8
Refrigerant			
Type	R-22	R-22	R-22
Ounces	Units Shipped with Holding Charge		
Approximate Operating Charge - Ounces, With BAC120 Air Handler	328		
Line Size Liquid O.D. (in.)	5/8	5/8	5/8
Line Size Suction O.D. (in.)	1-1/8	1-1/8	1-1/8
Controls			
Compressor IPR Valve (psi) Differential	375-450	375-450	375-450
High Press. Switch Auto Reset - Open / Close psi	420-300	420-300	420-300
Low Press. Switch Auto Reset - Open- Close psi	5 - 20	5 - 20	5 - 20
Contactor Amps. (Qty. 2)	30 x 2	30 x 2	30 x 2
Low Ambient Control - Actuattion / Release	250 / 100	250 / 100	250 / 100
Crankcase Heater Type	Strap On	Strap On	Strap On
Misc.			
Shipping Weight 9lbs)	450	450	450

PERFORMANCE DATA COOLING

UNIT	Rated Capacity Btuh [1]	S/T	EER	I.P.L.V.	Capacity Stages % Cooling	Evaporator Rated Airflow
CAE090	89,000	.70	9.9	12.8	50 / 100	3000 SCFM

[1] Net Capacity Ratings based on ARI Test Standards, 95° F Amb. 80° F DB / 67° F WB.

NOTE: CAE090 Models are matched with BAC120 / ABC120 Air Handlers.

Condensor Capacity Data- CAE090

SATURATED SUCTION TEMP. - °F	OUTDOOR TEMPERATURE °F								
	75	80	85	90	95	100	105	110	115
	GROSS CONDENSER CAPACITY (MBTU/HR)								
35	85	83	80	78	76	74	72	69	67
40	93	91	89	86	84	81	79	76	73
45	102	99	97	94	92	89	86	83	80
50	112	109	106	103	100	97	94	91	88
	COMPRESSOR & CONDENSER FAN POWER (KW)								
35	5.3	5.6	5.8	6.1	6.4	6.8	7.1	7.5	7.8
40	6.1	6.3	6.6	6.9	7.2	7.5	7.9	8.2	8.9
45	6.2	6.5	6.7	7.0	7.4	7.7	8.0	8.4	8.7
50	6.3	6.6	6.9	7.2	7.5	7.9	8.2	8.5	8.9
	GROSS EER (GROSS CAPACITY ÷ COMPRESSER & FAN POWER)								
35	15.9	14.8	13.8	12.8	11.8	10.9	10.1	9.3	8.5
40	15.3	14.4	13.4	12.5	11.6	10.8	10.0	9.3	8.2
45	16.4	15.4	14.4	13.4	12.5	11.6	10.8	10.0	9.2
50	17.6	16.4	15.4	14.3	13.3	12.4	11.5	10.7	9.9

EXPANDED PERFORMANCE DATA (COOLING)- CAE075 WITH BAC090 - (GROSS CAPACITY, See Notes on bottom page 5)

			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	3002	MBh	76.1	78.9	86.5	-	74.4	77.1	84.5	-	72.6	75.2	82.4	-	70.8	73.4	80.4	-	67.3	69.7	76.4	-	62.3	64.6	70.8	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		KW	5.0	5.1	5.2	-	5.4	5.5	5.7	-	5.7	5.9	6.1	-	6.1	6.2	6.4	-	6.4	6.5	6.7	-	6.6	6.8	7.0	-
	2680	MBh	73.9	76.6	83.9	-	72.2	74.8	82.0	-	70.5	73.1	80.0	-	68.8	71.3	78.1	-	65.3	67.7	74.2	-	60.5	62.7	68.7	-
		S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
		KW	4.9	5.0	5.2	-	5.3	5.5	5.6	-	5.7	5.8	6.0	-	6.0	6.2	6.4	-	6.3	6.4	6.7	-	6.5	6.7	6.9	-
	2358	MBh	70.2	72.8	79.7	-	68.6	71.1	77.9	-	67.0	69.4	76.0	-	65.3	67.7	74.2	-	62.1	64.3	70.5	-	57.5	59.6	65.3	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.44	-
		KW	4.8	4.9	5.1	-	5.2	5.4	5.5	-	5.6	5.7	5.9	-	5.9	6.1	6.3	-	6.2	6.3	6.6	-	6.4	6.6	6.8	-
75	3002	MBh	77.4	79.7	86.3	92.6	75.6	77.9	84.3	90.5	73.8	76.0	82.3	88.3	72.0	74.2	80.3	86.2	68.4	70.5	76.3	81.8	63.4	65.3	70.6	75.8
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		KW	5.0	5.1	5.3	5.5	5.4	5.5	5.7	6.0	5.8	5.9	6.1	6.4	6.1	6.3	6.5	6.7	6.4	6.6	6.8	7.0	6.7	6.8	7.1	7.3
	2680	MBh	75.2	77.4	83.8	89.9	73.4	75.6	81.8	87.8	71.7	73.8	79.9	85.7	69.9	72.0	77.9	83.6	66.4	68.4	74.0	79.5	61.5	63.4	68.6	73.6
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		KW	5.0	5.1	5.2	5.4	5.4	5.5	5.7	5.9	5.7	5.9	6.1	6.3	6.1	6.2	6.4	6.7	6.4	6.5	6.7	7.0	6.6	6.8	7.0	7.3
	2358	MBh	71.4	73.5	79.6	85.4	69.8	71.8	77.7	83.4	68.1	70.1	75.9	81.4	66.4	68.4	74.0	79.5	63.1	65.0	70.3	75.5	58.5	60.2	65.2	69.9
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38
		KW	4.9	5.0	5.2	5.3	5.3	5.4	5.6	5.8	5.6	5.8	6.0	6.2	6.0	6.1	6.3	6.6	6.2	6.4	6.6	6.9	6.5	6.6	6.9	7.1
80	3002	MBh	78.8	80.5	86.0	92.0	77.0	78.7	84.0	89.8	75.1	76.8	82.0	87.7	73.3	74.9	80.0	85.6	69.6	71.2	76.0	81.3	64.5	65.9	70.4	75.3
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		KW	5.0	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.6	6.8	6.5	6.6	6.9	7.1	6.7	6.9	7.1	7.4
	2680	MBh	76.5	78.2	83.5	89.3	74.7	76.4	81.6	87.2	73.0	74.5	79.6	85.1	71.2	72.7	77.7	83.1	67.6	69.1	73.8	78.9	62.6	64.0	68.4	73.1
		S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		KW	5.0	5.1	5.3	5.5	5.4	5.5	5.7	6.0	5.8	5.9	6.1	6.4	6.1	6.3	6.5	6.7	6.4	6.6	6.8	7.0	6.7	6.8	7.1	7.3
	2358	MBh	72.7	74.3	79.4	84.8	71.0	72.5	77.5	82.9	69.3	70.8	75.7	80.9	67.6	69.1	73.8	78.9	64.2	65.6	70.1	75.0	59.5	60.8	65.0	69.4
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		KW	4.9	5.0	5.2	5.4	5.3	5.5	5.6	5.8	5.7	5.8	6.0	6.3	6.0	6.2	6.4	6.6	6.3	6.4	6.7	6.9	6.5	6.7	6.9	7.2
85	3002	MBh	80.2	81.7	85.6	91.3	78.3	79.8	83.6	89.2	76.5	77.9	81.6	87.1	74.6	76.0	79.6	85.0	70.9	72.2	75.6	80.7	65.6	66.9	70.1	74.8
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		KW	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.1	5.9	6.0	6.3	6.5	6.2	6.4	6.6	6.9	6.5	6.7	6.9	7.2	6.8	6.9	7.2	7.5
	2680	MBh	77.8	79.4	83.1	88.7	76.0	77.5	81.2	86.6	74.2	75.7	79.2	84.5	72.4	73.8	77.3	82.5	68.8	70.1	73.4	78.4	63.7	65.0	68.0	72.6
		S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		KW	5.0	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.6	6.8	6.5	6.6	6.9	7.1	6.7	6.9	7.1	7.4
	2358	MBh	74.0	75.4	79.0	84.2	72.2	73.6	77.1	82.3	70.5	71.9	75.3	80.3	68.8	70.1	73.4	78.4	65.4	66.6	69.8	74.4	60.5	61.7	64.6	69.0
		S/T	0.88	0.84	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71
		KW	5.0	5.1	5.2	5.4	5.4	5.5	5.7	5.9	5.7	5.9	6.1	6.3	6.1	6.2	6.4	6.7	6.4	6.5	6.7	7.0	6.6	6.8	7.0	7.3

*EnteringIndoorTemperature-DegreesF.DryBulb ☐ StandardRating

EXPANDED PERFORMANCE DATA (COOLING) CAE090 WITH BAC120 - (GROSS CAPACITY, See Notes on bottom page 5)

Airflow IDB*CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	3360	MBh	90.1	93.4	102.4	-	88.0	91.3	100.0	-	85.9	89.1	97.6	-	83.9	86.9	95.2	-	79.7	82.6	90.5	-	73.8	76.5	83.8	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		KW	6.22	6.37	6.60	-	6.77	6.93	7.19	-	7.25	7.43	7.70	-	7.68	7.87	8.16	-	8.04	8.24	8.54	-	8.35	8.56	8.88	-
	3000	MBh	87.5	90.7	99.4	-	85.5	88.6	97.1	-	83.4	86.5	94.8	-	81.4	84.4	92.4	-	77.3	80.2	87.8	-	71.6	74.3	81.4	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-
		KW	6.17	6.32	6.54	-	6.71	6.87	7.12	-	7.19	7.36	7.63	-	7.61	7.80	8.08	-	7.97	8.16	8.46	-	8.28	8.48	8.80	-
	2640	MBh	83.1	86.2	94.4	-	81.2	84.2	92.2	-	79.3	82.2	90.0	-	77.3	80.2	87.8	-	73.5	76.2	83.4	-	68.1	70.5	77.3	-
		S/T	0.64	0.54	0.37	-	0.67	0.56	0.39	-	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.74	0.62	0.43	-
		KW	6.05	6.20	6.42	-	6.59	6.75	6.99	-	7.05	7.23	7.49	-	7.47	7.65	7.93	-	7.82	8.01	8.31	-	8.12	8.32	8.63	-
75	3360	MBh	91.7	94.4	102.2	109.6	89.5	92.2	99.8	107.1	87.4	90.0	97.4	104.5	85.3	87.8	95.0	102.0	81.0	83.4	90.3	96.9	75.0	77.3	83.6	89.8
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		KW	6.28	6.43	6.66	6.91	6.83	7.00	7.25	7.52	7.32	7.50	7.77	8.06	7.75	7.94	8.23	8.54	8.12	8.32	8.62	8.95	8.43	8.64	8.96	9.30
	3000	MBh	89.0	91.6	99.2	106.5	86.9	89.5	96.9	104.0	84.9	87.4	94.6	101.5	82.8	85.2	92.3	99.0	78.6	81.0	87.7	94.1	72.9	75.0	81.2	87.1
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38
		KW	6.22	6.37	6.60	6.84	6.77	6.94	7.19	7.45	7.25	7.43	7.70	7.99	7.68	7.87	8.16	8.46	8.04	8.24	8.55	8.86	8.36	8.56	8.88	9.21
	2640	MBh	84.5	87.1	94.2	101.1	82.6	85.0	92.0	98.8	80.6	83.0	89.8	96.4	78.6	81.0	87.7	94.1	74.7	76.9	83.3	89.4	69.2	71.3	77.1	82.8
		S/T	0.73	0.65	0.49	0.32	0.76	0.68	0.51	0.33	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.84	0.75	0.57	0.37
		KW	6.11	6.26	6.48	6.72	6.65	6.81	7.06	7.31	7.12	7.30	7.56	7.84	7.54	7.72	8.01	8.30	7.89	8.09	8.39	8.70	8.20	8.40	8.71	9.04
80	3360	MBh	93.3	95.3	101.9	108.9	91.1	93.1	99.5	106.3	89.0	90.9	97.1	103.8	86.8	88.7	94.7	101.3	82.4	84.2	90.0	96.2	76.4	78.0	83.4	89.1
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57
		KW	6.34	6.49	6.73	6.97	6.90	7.06	7.32	7.59	7.39	7.57	7.85	8.14	7.82	8.02	8.31	8.62	8.19	8.40	8.71	9.03	8.51	8.72	9.05	9.39
	3000	MBh	90.6	92.6	98.9	105.7	88.5	90.4	96.6	103.3	86.4	88.3	94.3	100.8	84.3	86.1	92.0	98.3	80.0	81.8	87.4	93.4	74.1	75.8	80.9	86.5
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		KW	6.28	6.43	6.66	6.91	6.83	7.00	7.25	7.52	7.32	7.50	7.78	8.06	7.75	7.94	8.24	8.54	8.12	8.32	8.63	8.95	8.43	8.64	8.96	9.30
	2640	MBh	86.1	87.9	93.9	100.4	84.1	85.9	91.8	98.1	82.0	83.8	89.6	95.8	80.0	81.8	87.4	93.4	76.0	77.7	83.0	88.7	70.4	72.0	76.9	82.2
		S/T	0.80	0.75	0.61	0.46	0.83	0.78	0.63	0.47	0.85	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.86	0.70	0.52	0.92	0.86	0.70	0.52
		KW	6.17	6.32	6.54	6.78	6.71	6.87	7.12	7.38	7.19	7.36	7.63	7.91	7.61	7.80	8.08	8.38	7.97	8.16	8.46	8.78	8.28	8.48	8.80	9.12
85	3360	MBh	94.9	96.8	101.3	108.1	92.7	94.5	99.0	105.6	90.5	92.3	96.6	103.1	88.3	90.0	94.3	100.6	83.9	85.5	89.6	95.5	77.7	79.2	83.0	88.5
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		KW	6.40	6.55	6.79	7.04	6.96	7.13	7.39	7.66	7.46	7.64	7.92	8.21	7.90	8.09	8.39	8.70	8.27	8.48	8.79	9.12	8.59	8.81	9.13	9.47
	3000	MBh	92.2	93.9	98.4	105.0	90.0	91.8	96.1	102.5	87.9	89.6	93.8	100.1	85.7	87.4	91.5	97.6	81.4	83.0	87.0	92.8	75.4	76.9	80.5	85.9
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71
		KW	6.34	6.49	6.73	6.97	6.90	7.06	7.32	7.59	7.39	7.57	7.85	8.14	7.82	8.02	8.31	8.62	8.19	8.40	8.71	9.03	8.51	8.72	9.05	9.39
	2640	MBh	87.6	89.2	93.5	99.7	85.5	87.2	91.3	97.4	83.5	85.1	89.1	95.1	81.4	83.0	87.0	92.8	77.4	78.9	82.6	88.1	71.7	73.1	76.5	81.6
		S/T	0.84	0.81	0.73	0.59	0.87	0.84	0.76	0.61	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.96	0.93	0.84	0.68
		KW	6.22	6.37	6.60	6.84	6.77	6.93	7.19	7.45	7.25	7.43	7.70	7.99	7.68	7.87	8.16	8.46	8.04	8.24	8.54	8.86	8.35	8.56	8.88	9.21

*EnteringIndoorTemperature-DegreesF.DryBulb ☐ StandardRating

NOTES AND FORMULAS FOR USING EXPANDED PERFORMANCE DATA

To find leaving wet bulb and dry bulb from the expanded performance charts on the next two pages, use the following formulas. Direct interpolation is permissible. Do not extrapolate.

$$t_{/db} = t_{edb} - \frac{\text{sensible capacity (Btuh)}}{1.10 \times \text{cfm}}$$

$t_{/wb}$ = Wet-bulb temperature corresponding to enthalpy of air leaving evaporator coil ($h_{/wb}$).

$$h_{/wb} = h_{ewb} - \frac{\text{sensible capacity (Btuh)}}{4.5 \times \text{cfm}}$$

Where: h_{ewb} = Enthalpy of air entering evaporator coil.

LEGEND

MBh = Total Capacity (Gross)
S/T = Sensible to Total Ratio
KW = Unit Operating Watts
IDB = Indoor Dry Bulb
$t_{/db}$ = Leaving Dry Bulb
$t_{/wb}$ = Leaving Wet Bulb
edb = Entering Dry Bulb
ewb = Entering Wet Bulb
$h_{/wb}$ = Enthalpy of leaving wet bulb

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	C	A	E	090	G	H	C	

PRODUCT FAMILY
C = Condensor

PRODUCT TYPE
A = Air Conditioner

SERIES
E = Series

CAPACITY BTUH 075 = 75,000 090 = 90,000

Factory Installed Hail Guard

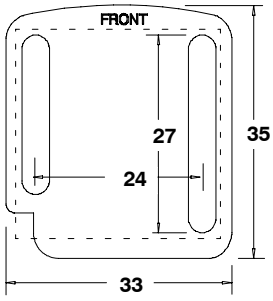
SALES CODE

ELECTRICAL

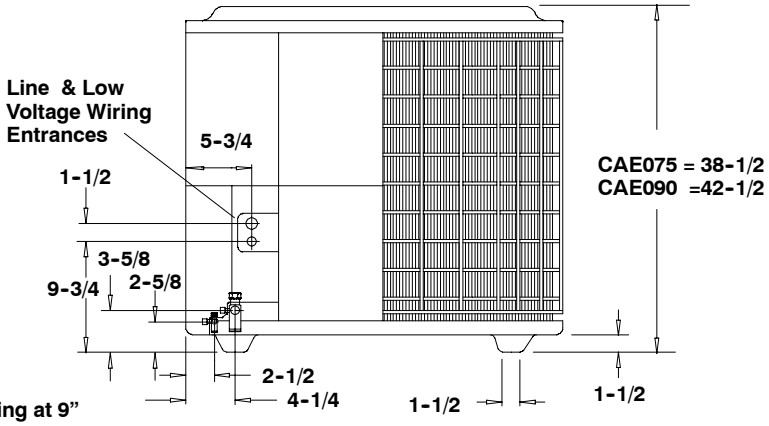
CODE	VOLTS	PHASE	CYCLE
H	208/230	3	60
L	460	3	60
S	575	3	60

DIMENSIONS

ALL DIMENSIONS IN INCHES



Chassis #3



Minimum Mounting Pad Sizes with pad starting at 9" from structure for minimum clearance of 6".

Chassis #3 27" W X 28" D