

CAC SERIES

12-1/2 Thru 20 Ton

TEMPSTAR®

Heating and Cooling Products

SPLIT SYSTEM COMMERCIAL AIR CONDITIONER

CONSTRUCTION

- Triple step pre-painted galvanized steel pre-coated inside and out - using a polyester top coat, over a urethane primer and oxide pre-treatment. 18 gauge top panel with 20 gauge side panels. Access panels for easy service.

INTEGRAL BASE RAILS

- Heavy 16 gauge base rails with fork-lift access on three sides. Holes provided for lifting lugs makes rooftop installation easier.

COPPER TUBE/ALUMINUM FIN COILS

- Enhanced aluminium fins mechanically bonded to copper tubes for improved heat transfer.

HIGH & LOW PRESSURE SWITCH

- To provide excellent compressor protection.

EXTERNALLY-MOUNTED GAUGE PORTS

- Allows for more accurate reading of operating conditions while servicing.

TWO STAGE COOLING

- Economical operation at low ambient conditions.

COMPRESSORS

- Scroll compressors on all units.

ANTI-CYCLE TIMER

- Solid State design to protect the compressor.

CRANKCASE HEATERS

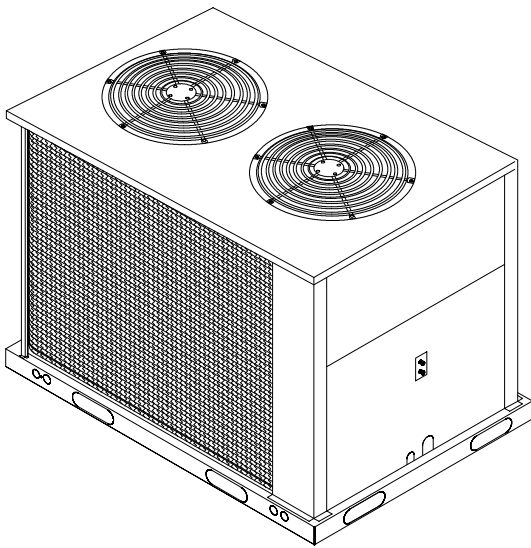
- Excellent compressor protection in low ambient conditions.

ACCESSORIES

- Coil Guard
- Hail Guard
- Low Ambient operation to 0 degrees.

WARRANTY

- One (1) year limited warranty on parts
- Five (5) year limited warranty on the compressor



Rated in accordance with ARI Standard 210.



Listed By Underwriters' Laboratories

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS
• COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED
HOME AIR CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

International Comfort Products
650 Heil-Quaker Avenue, Lewisburg, TN 37091

501 21 1201 02
10/00

UNIT SPECIFICATIONS								
Model Number		CAC150HA	CAC150LA	CAC150SA	CAC180HB	CAC180LB	CAC180SB	
Electrical Data	Volts-Phase-Hz.	208/230-3-60	460-3-60	575-3-60	208/230-3-60	460-3-60	575-3-60	
	Ampacity	49.8	23.8	19.4	67.2	33.2	26.5	
	MaxFuse	60	30	25	90	45	35	
Condenser Data	Coil	Total Face Area-Sq Ft	22.60			27.39		
		Fins Per In. / Rows	20 / 2			20 / 2		
		Tube Diameter (In.)	3/8			3/8		
	Fan	Horsepower / Quantity	3/4 x 2			3/4 x 2		
		Motor	Full Load Amps.	4	1.8	1.4	4.0	1.8
	Locked Rotor Amps.		10	4.3	3.7	10	4.3	3.7
	Fan	Size Diameter (In.)	2 x 24			2 x 24		
RPM (Maximum)		1100			1100			
CFM (Maximum)		10,600			11,600			
Compressor	Quantity / Type		2 / Scroll, Tandem			2 / Scroll, Tandem		
	Rated Load Amps.	#1	18.59	8.97	7.37	26.21	13.11	10.49
		#2	18.59	8.97	7.37	26.41	13.21	10.56
	Lock Rotor Amps.	#1	156	70	54	189	94	74
		#2	156	70	54	189	94	74
Line Sizes, Liquid & Suction (I.D.)		5/8 & 1-3/8			5/8 & 1-3/8			
Operating Refrig. Charge R-22 oz.		350 ²			460 ²			
Weight Shipping (Lbs.)		565			817			

UNIT SPECIFICATIONS					
Model Number		CAC240HB	CAC240LB	CAC240SB	
Electrical Data	Volts-Phase-Hz.	208/230-3-60	460-3-60	575-3-60	
	Ampacity	83.1	41.4	32.7	
	MaxFuse	110	50	45	
Condenser Data	Coil	Total Face Area (Sq.Ft.)	39.00		
		Fins Per In. / Rows	20 / 2		
		Tube Diameter (In.)	3/8		
	Fan	Horsepower / Quantity	1-1/2 X 2		
		Motor	Full Load Amps.	5.4	2.6
	Locked Rotor Amps.		23	11.5	8
	Fan	Size Diameter (In.)	2 X 24		
RPM (Maximum)		1140			
CFM (Maximum)		16,000			
Compressor	Quantity / Type		2 / Scroll, Tandem		
	Rated Load Amps.	#1	32.02	16.01	12.81
		#2	32.28	16.14	12.91
	Lock Rotor Amps.	#1	232	125	100
		#2	232	125	100
Line Sizes, Liquid & Suction (I.D.)		7/8 & 1-5/8			
Operating Refrigerant Charge R-22 oz.		660 ²			
Weight Shipping (Lbs.)		898			

PERFORMANCE DATA: COOLING

Outdoor Unit / Indoor Unit	Rated Capacity ¹ BTUH 1st Stage / 2nd Stage	S/T Ratio	EER	Capacity Stages% Cooling	Evaporator Rated Airflow
CAC150 / BAC180	83,000 / 140,000	.79	8.5	59 / 100	5,000 SCFM
CAC180 / BAC180	92,200 / 165,000	.82	8.5	55 / 100	6,000 SCFM
CAC180 / BAC240	96,250 / 175,000	.76	8.5	55 / 100	6,000 SCFM
CAC240 / BAC240	123,900 / 223,000	.81	8.5	55 / 100	8,000 SCFM

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

² Shipped with 10 oz. R-22 holding charge.

PHYSICAL DATA TABLE

ITEM	MATCHING SPLIT A/C MODEL NUMBER			MATCHING SPLIT A/C MODEL NUMBER		
	CAC150HA	CAC150LA	CAC150SA	CAC180HB	CAC180LB	CAC180SB
	AIR HANDLER MODEL NUMBER			AIR HANDLER MODEL NUMBER		
	BAC180M1A	BAC180M1A	BAC180S1A	BAC180M1A	BAC180M1A	BAC180S1A
	EVAPORATOR DATA			EVAPORATOR DATA		
Volt/Phase/Hz	208/230/3/60	460/3/60	575/3/60	208/230/3/60	460/3/60	575/3/60
Btuh	140,000	140,000	140,000	165,000	165,000	165,000
WATTS	16,471	16,471	16,471	19,412	19,412	19,412
EER	8.5	8.5	8.5	8.5	8.5	8.5
IPLV	11.55	11.55	11.55	10.2	10.2	10.2
Coil Height (In.)	44	44	44	44	44	44
Coil Length (In.)	66	66	66	66	66	66
Face Area Ft ²	20.17	20.17	20.17	20.17	20.17	20.17
Rows/Fins Per Inch	3 / 15	3 / 15	3 / 15	3 / 15	3 / 15	3 / 15
Tube O.D. (In.)	3/8	3/8	3/8	3/8	3/8	3/8
# Circuits In/Out	22/22	22/22	22/22	22/22	22/22	22/22
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV
Evap. SCFM	5000	5000	5000	6000	6000	6000
Evap. Motor H.P.	3	3	3	3	3	3
FLA / LRA	10.6 / 73	5.3 / 36.8	3.9 / 21.8	10.6 / 73	5.3 / 36.8	3.9 / 21.8
Min. Circuit Ampacity	13.3	6.6	4.9	13.3	6.6	4.9
Max. Fuse / Time Delay Fuse	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15
Blower	BD18-18	BD18-18	BD18-18	BD18-18	BD18-18	BD18-18
Supply Area (In ²)	856.5	856.5	856.5	856.5	856.5	856.5
Unit Weights						
Filter Size / Number Required	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6

ITEM	MATCHING SPLIT A/C MODEL NUMBER			MATCHING SPLIT A/C MODEL NUMBER		
	CAC180HB	CAC180LB	CAC180SB	CAC240HB	CAC240LB	CAC240SB
	AIR HANDLER MODEL NUMBER			AIR HANDLER MODEL NUMBER		
	BAC240H1A	BAC240L1A	BAC240S1A	BAC240H1A	BAC240L1A	BAC240S1A
	EVAPORATOR DATA			EVAPORATOR DATA		
Volt/Phase/Hz	208/230/3/60	460/3/60	575/3/60	208/230/3/60	460/3/60	575/3/60
Btuh	175,000	175,000	175,000	215,000	215,000	215,000
WATTS	20,588	20,588	20,588	25,294	25,294	25,294
EER	8.5	8.5	8.5	8.5	8.5	8.5
IPLV	11.0	11.0	11.0	10.45	10.45	10.45
Coil Height (In.)	44	44	44	44	44	44
Coil Length (In.)	66	66	66	66	66	66
Face Area Ft ²	20.17	20.17	20.17	20.17	20.17	20.17
Rows/Fins Per Inch	3 / 15	3 / 15	3 / 15	3 / 15	3 / 15	3 / 15
Tube O.D. (In.)	3/8	3/8	3/8	3/8	3/8	3/8
# Circuits In/Out	22/22	22/22	22/22	22/22	22/22	22/22
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV
Evap. SCFM	6000	6000	6000	8050	8050	8050
Evap. Motor H.P.	5	5	5	5	5	5
FLA / LRA	14.8 / 110.5	7.2 / 55.3	6.4 / 41.6	14.8 / 110.5	7.2 / 55.3	6.4 / 41.6
Min. Circuit Ampacity	64.4	31.0	25.4	18.5	9.0	8.0
Max. Fuse / Time Delay Fuse	80 / 80	40 / 35	35 / 30	20 / 20	15 / 15	15 / 15
Blower	BD18-18	BD18-18	BD18-18	BD18-18	BD18-18	BD18-18
Supply Area (In ²)	856.5	856.5	856.5	856.5	856.5	856.5
Unit Weights				670	670	670
Filter Size / Number Required	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6	18 x 24 x 1 / 6

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	C	A	C	180	H	A
Product Family	C = Condenser			Engineering Digit		
Product Type	A = Air Conditioner			Electrical Characteristics		
Design Series				H = 208 / 230-3-60 L = 460-3-60 S = 575-3-60		
Capacity (Nominal BTU)	150 = 12-1/2 Ton 180 = 15 Ton 240 = 20 Ton					

FORMULAS AND NOTES 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)

KW = Unit Operating Watts

$t_{/db}$ = Leaving Dry Bulb

edb = Entering Dry Bulb

$h_{/wb}$ = Enthalpy of leaving wet bulb

S/T = Sensible to Total Ratio

IDB = Indoor Dry Bulb

$t_{/wb}$ = Leaving Wet Bulb

ewb = Entering Wet Bulb

EXPANDED PERFORMANCE DATA (COOLING) 12-1/2 Ton with BAC180 (GROSS Capacity - See note on page 4)

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	5600	MBh	147.8	153.2	167.8	-	144.3	149.6	163.9	-	140.9	146.0	160.0	-	137.5	142.5	156.1	-	130.6	135.4	148.3	-	121.0	125.4	137.4	-
		S/T	0.79	0.86	0.46	-	0.82	0.69	0.48	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.90	0.75	0.52	-	0.91	0.76	0.53	-
	KW	11.50	11.76	12.15	-	12.43	12.72	13.15	-	13.26	13.56	14.03	-	13.99	14.31	14.81	-	14.61	14.95	15.47	-	15.14	15.50	16.04	-	
	5000	MBh	143.5	148.7	162.9	-	140.1	145.2	159.1	-	136.8	141.8	155.3	-	133.5	138.3	151.6	-	126.8	131.4	144.0	-	117.4	121.7	133.4	-
		S/T	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
	KW	11.40	11.66	12.05	-	12.33	12.61	13.03	-	13.15	13.45	13.91	-	13.87	14.19	14.68	-	14.48	14.82	15.33	-	15.01	15.36	15.90	-	
75	5600	MBh	150.3	154.7	167.5	179.7	146.8	151.1	163.6	175.6	143.3	147.5	159.7	171.4	139.8	143.9	155.8	167.2	132.8	136.7	148.0	158.8	123.0	126.7	137.1	147.1
		S/T	0.90	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.88	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.70	0.45
	KW	11.60	11.86	12.25	12.67	12.54	12.83	13.26	13.72	13.38	13.68	14.15	14.65	14.11	14.44	14.94	15.46	14.74	15.08	15.61	16.16	15.28	15.64	16.18	16.76	
	5000	MBh	145.9	150.2	162.6	174.5	142.5	146.7	158.8	170.5	139.1	143.2	155.0	166.4	135.7	139.7	151.3	162.3	128.9	132.8	143.7	154.2	119.4	123.0	133.1	142.9
		S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	KW	11.50	11.76	12.15	12.56	12.44	12.72	13.15	13.60	13.26	13.57	14.03	14.52	13.99	14.32	14.81	15.33	14.61	14.95	15.47	16.02	15.15	15.50	16.04	16.61	
4400	MBh	138.6	142.7	154.5	165.8	135.4	139.4	150.9	161.9	132.2	136.1	147.3	158.1	128.9	132.8	143.7	154.2	122.5	126.1	136.5	146.5	113.5	116.8	126.4	135.7	
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	
KW	11.31	11.56	11.94	12.35	12.22	12.50	12.92	13.37	13.03	13.33	13.79	14.26	13.75	14.07	14.55	15.06	14.36	14.69	15.20	15.73	14.88	15.23	15.76	16.31		
80	5600	MBh	152.9	156.3	167.0	178.5	149.4	152.7	163.1	174.3	145.8	149.0	159.2	170.2	142.3	145.4	155.3	166.0	135.2	138.1	147.6	157.7	125.2	127.9	136.7	146.1
		S/T	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.87	0.65
	KW	11.69	11.96	12.36	12.78	12.65	12.94	13.38	13.84	13.49	13.80	14.28	14.77	14.24	14.57	15.07	15.60	14.87	15.22	15.75	16.30	15.42	15.78	16.33	16.91	
	5000	MBh	148.5	151.7	162.1	173.3	145.0	148.2	158.3	169.3	141.6	144.7	154.6	165.2	138.1	141.1	150.8	161.2	131.2	134.1	143.3	153.1	121.6	124.2	132.7	141.9
		S/T	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
	KW	11.60	11.86	12.25	12.67	12.54	12.83	13.26	13.72	13.38	13.69	14.15	14.65	14.11	14.44	14.94	15.46	14.74	15.08	15.61	16.16	15.28	15.64	16.18	16.76	
4400	MBh	141.1	144.1	154.0	164.6	137.8	140.8	150.4	160.8	134.5	137.4	146.8	157.0	131.2	134.1	143.3	153.1	124.7	127.4	136.1	145.5	115.5	118.0	126.1	134.8	
	S/T	0.90	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.03	0.96	0.79	0.59	1.04	0.97	0.79	0.59	
KW	11.40	11.66	12.05	12.45	12.33	12.61	13.03	13.48	13.15	13.45	13.91	14.39	13.87	14.19	14.68	15.19	14.48	14.82	15.33	15.87	15.01	15.36	15.90	16.46		
85	5600	MBh	151.1	154.0	161.3	172.1	147.6	150.4	157.5	168.1	144.1	146.8	153.8	164.1	140.5	143.3	150.0	160.1	133.5	136.1	142.5	152.1	123.7	126.1	132.0	140.9
		S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.84
	KW	11.79	12.06	12.46	12.89	12.76	13.05	13.49	13.96	13.61	13.92	14.40	14.90	14.36	14.70	15.20	15.74	15.00	15.35	15.89	16.45	15.55	15.92	16.47	17.06	
	5000	MBh	145.1	148.3	159.3	170.1	141.6	144.7	154.6	165.2	138.1	141.1	150.8	161.2	134.6	137.4	146.8	157.0	128.1	130.8	139.3	148.7	118.6	121.1	128.1	136.6
		S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	KW	11.69	11.96	12.36	12.78	12.65	12.94	13.38	13.84	13.49	13.80	14.28	14.77	14.24	14.57	15.07	15.60	14.87	15.22	15.75	16.30	15.42	15.78	16.33	16.91	
4400	MBh	143.5	146.3	153.2	163.5	140.2	142.9	149.7	159.7	136.9	139.5	146.1	155.9	133.5	136.1	142.5	152.1	126.8	129.3	135.4	144.5	117.5	119.8	125.4	133.8	
	S/T	0.95	0.91	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77	
KW	11.50	11.76	12.15	12.56	12.43	12.72	13.15	13.60	13.26	13.56	14.03	14.52	13.99	14.31	14.81	15.33	14.61	14.95	15.47	16.01	15.14	15.50	16.04	16.61		

*EnteringIndoorTemperature-DegreesF.DryBulb

StandardRating

12-1/2 TON CONDENSER									
SATURATED SUCTION TEMP. - °F	OUTDOOR TEMPERATURE °F								
	75	80	85	90	95	100	105	110	115
GROSS CONDENSER CAPACITY (MBTU/HR)									
35	139	135	132	129	125	121	118	113	109
40	153	149	145	142	137	134	129	125	120
45	167	163	159	155	151	146	142	137	132
50	183	179	174	170	165	160	155	150	144
COMPRESSOR & CONDENSER FAN POWER (KW)									
35	10.8	11.3	11.8	12.4	13.1	13.7	14.4	15.1	15.9
40	12.3	12.8	13.4	13.9	14.5	15.2	15.9	16.6	18.0
45	12.6	13.1	13.6	14.2	14.9	15.5	16.2	16.9	17.7
50	12.8	13.4	14.0	14.6	15.2	15.9	16.5	17.3	18.0
EER (GROSS CAPACITY ÷ COMPRESSOR & FAN POWER)									
35	12.9	12.0	11.2	10.4	9.6	8.8	8.2	7.5	6.9
40	12.4	11.6	10.9	10.2	9.4	8.8	8.1	7.5	6.7
45	13.3	12.5	11.7	10.9	10.1	9.4	8.7	8.1	7.5
50	14.3	13.3	12.5	11.6	10.8	10.1	9.4	8.7	8.0

EXPANDED PERFORMANCE DATA (COOLING)-15 Ton with BAC180 (GROSS Capacity - See note on page 4)

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	6720	MBh	167.5	173.6	190.2	-	163.6	169.5	185.8	-	159.7	165.5	181.3	-	155.8	161.5	176.9	-	148.0	153.4	168.1	-	137.1	142.1	155.7	-
		S/T	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.90	0.75	0.52	-	0.94	0.78	0.54	-	0.95	0.79	0.55	-
		KW	15.32	15.63	16.09	-	16.43	16.77	17.28	-	17.41	17.78	18.33	-	18.28	18.67	19.25	-	19.02	19.42	20.04	-	19.65	20.07	20.72	-
	6000	MBh	162.6	168.5	184.6	-	158.8	164.6	180.3	-	155.0	160.7	176.0	-	151.2	156.8	171.8	-	143.7	148.9	163.2	-	133.1	138.0	151.1	-
		S/T	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.75	0.52	-	0.90	0.75	0.52	-
		KW	15.21	15.51	15.97	-	16.31	16.64	17.15	-	17.28	17.64	18.18	-	18.14	18.52	19.10	-	18.87	19.27	19.88	-	19.50	19.91	20.55	-
5280	MBh	154.5	160.1	175.4	-	150.9	156.4	171.3	-	147.3	152.6	167.2	-	143.7	148.9	163.2	-	136.5	141.5	155.0	-	126.4	131.1	143.6	-	
	S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	
	KW	14.98	15.28	15.73	-	16.06	16.38	16.88	-	17.01	17.36	17.90	-	17.85	18.23	18.79	-	18.57	18.96	19.56	-	19.18	19.59	20.21	-	
75	6720	MBh	170.3	175.3	189.8	203.7	166.3	171.3	185.4	199.0	162.4	167.2	181.0	194.2	158.4	163.1	176.6	189.5	150.5	155.0	167.7	180.0	139.4	143.5	155.4	166.8
		S/T	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.99	0.89	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.95	0.72	0.46	1.00	0.96	0.73	0.47
		KW	15.44	15.75	16.22	16.71	16.56	16.90	17.42	17.96	17.55	17.92	18.47	19.06	18.43	18.82	19.41	20.03	19.17	19.58	20.20	20.86	19.81	20.24	20.89	21.57
	6000	MBh	165.3	170.2	184.3	197.8	161.5	166.3	180.0	193.2	157.7	162.3	175.7	188.6	153.8	158.4	171.4	184.0	146.1	150.4	162.8	174.8	135.4	139.4	150.8	161.9
		S/T	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.69	0.45
		KW	15.32	15.63	16.09	16.58	16.43	16.77	17.28	17.82	17.42	17.78	18.33	18.91	18.28	18.67	19.25	19.87	19.02	19.42	20.04	20.69	19.66	20.08	20.72	21.39
5280	MBh	157.1	161.7	175.1	187.9	153.4	158.0	171.0	183.5	149.8	154.2	166.9	179.1	146.1	150.4	162.8	174.8	138.8	142.9	154.7	166.0	128.6	132.4	143.3	153.8	
	S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43	
	KW	15.09	15.39	15.85	16.33	16.18	16.51	17.01	17.54	17.15	17.50	18.04	18.61	17.99	18.37	18.95	19.55	18.72	19.11	19.72	20.35	19.34	19.75	20.38	21.04	
80	6720	MBh	173.3	177.1	189.2	202.3	169.3	173.0	184.8	197.6	165.3	168.9	180.4	192.9	161.2	164.8	176.0	188.2	153.2	156.5	167.2	178.8	141.9	145.0	154.9	165.6
		S/T	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.89	0.67	1.00	1.00	0.90	0.67
		KW	15.55	15.87	16.34	16.84	16.69	17.03	17.55	18.10	17.69	18.06	18.62	19.21	18.57	18.97	19.57	20.19	19.33	19.74	20.37	21.03	19.97	20.41	21.06	21.75
	6000	MBh	168.3	172.0	183.7	196.4	164.4	168.0	179.4	191.8	160.5	164.0	175.2	187.3	156.5	160.0	170.9	182.7	148.7	152.0	162.4	173.6	137.8	140.8	150.4	160.8
		S/T	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64
		KW	15.44	15.75	16.22	16.71	16.56	16.90	17.42	17.96	17.55	17.92	18.48	19.06	18.43	18.82	19.41	20.03	19.17	19.58	20.20	20.86	19.82	20.24	20.89	21.57
5280	MBh	159.9	163.4	174.5	186.6	156.2	159.6	170.5	182.2	152.4	155.8	166.4	177.9	148.7	152.0	162.4	173.6	141.3	144.4	154.2	164.9	130.9	133.7	142.9	152.7	
	S/T	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.03	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.01	0.82	0.61	
	KW	15.21	15.51	15.97	16.46	16.31	16.64	17.15	17.68	17.28	17.64	18.18	18.76	18.14	18.52	19.10	19.71	18.87	19.27	19.88	20.52	19.50	19.91	20.55	21.22	
85	6720	MBh	176.4	179.8	188.3	200.9	172.3	175.6	183.9	196.2	168.2	171.4	179.5	191.5	164.1	167.2	175.1	186.9	155.9	158.9	166.4	177.5	144.4	147.2	154.1	164.4
		S/T	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.87	1.00	1.00	1.00	0.87
		KW	15.67	15.99	16.47	16.97	16.82	17.16	17.69	18.24	17.83	18.20	18.77	19.37	18.72	19.12	19.72	20.36	19.48	19.90	20.53	21.20	20.14	20.57	21.23	21.93
	6000	MBh	171.2	174.5	182.8	195.0	167.2	170.5	178.5	190.5	163.3	166.4	174.3	185.9	159.3	162.4	170.0	181.4	151.3	154.2	161.5	172.3	140.2	142.9	149.6	159.6
		S/T	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.83
		KW	15.55	15.87	16.34	16.84	16.69	17.03	17.55	18.10	17.69	18.06	18.62	19.21	18.57	18.97	19.57	20.19	19.33	19.74	20.37	21.03	19.97	20.41	21.06	21.75
5280	MBh	162.7	165.8	173.7	185.3	158.9	162.0	169.6	181.0	155.1	158.1	165.6	176.7	151.3	154.2	161.5	172.3	143.7	146.5	153.5	163.7	133.2	135.7	142.2	151.7	
	S/T	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80	
	KW	15.32	15.63	16.09	16.58	16.43	16.77	17.28	17.82	17.41	17.78	18.33	18.91	18.28	18.67	19.25	19.87	19.02	19.42	20.04	20.69	19.65	20.07	20.72	21.39	

*EnteringIndoorTemperature-DegreesF.DryBulb

StandardRating

15 TON CONDENSER

SATURATED SUCTION TEMP. - °F	OUTDOOR TEMPERATURE °F									
	75	80	85	90	95	100	105	110	115	
GROSS CONDENSER CAPACITY (MBTU/HR)										
35	168	164	160	156	151	147	143	138	133	
40	185	181	176	172	166	162	157	151	146	
45	203	198	193	188	183	177	172	166	160	
50	222	217	211	206	200	194	188	181	175	
COMPRESSOR & CONDENSER FAN POWER (KW)										
35	13.1	13.8	14.4	15.2	15.9	16.8	17.6	18.5	19.4	
40	15.0	15.6	16.3	17.0	17.8	18.6	19.4	20.3	22.0	
45	15.3	16.0	16.7	17.4	18.2	19.0	19.8	20.7	21.6	
50	15.7	16.4	17.1	17.8	18.6	19.4	20.2	21.1	22.0	
EER (GROSS CAPACITY ÷ COMPRESSOR & FAN POWER)										
35	12.8	11.9	11.1	10.3	9.5	8.8	8.1	7.4	6.8	
40	12.3	11.6	10.8	10.1	9.4	8.7	8.1	7.5	6.6	
45	13.2	12.4	11.6	10.8	10.1	9.4	8.7	8.0	7.4	
50	14.1	13.2	12.4	11.5	10.7	10.0	9.3	8.6	7.9	

EXPANDED PERFORMANCE DATA (COOLING)-15 Ton with BAC240 (GROSS Capacity - See note on page 4)

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	6720	MBh	179.0	185.5	203.2	-	174.8	181.2	198.5	-	170.6	176.9	193.8	-	166.5	172.6	189.1	-	158.2	163.9	179.6	-	146.5	151.9	166.4	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		KW	16.44	16.75	17.22	-	17.57	17.91	18.43	-	18.56	18.93	19.49	-	19.44	19.83	20.43	-	20.19	20.60	21.23	-	20.84	21.26	21.91	-
	6000	MBh	173.8	180.1	197.3	-	169.7	175.9	192.7	-	165.7	171.7	188.1	-	161.6	167.5	183.6	-	153.6	159.2	174.4	-	142.2	147.4	161.5	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		KW	16.32	16.63	17.10	-	17.44	17.78	18.29	-	18.43	18.79	19.34	-	19.30	19.69	20.27	-	20.04	20.45	21.06	-	20.68	21.10	21.74	-
5280	MBh	165.1	171.1	187.5	-	161.2	167.1	183.1	-	157.4	163.1	178.7	-	153.6	159.2	174.4	-	145.9	151.2	165.7	-	135.1	140.1	153.5	-	
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	
	KW	16.09	16.40	16.85	-	17.19	17.52	18.02	-	18.16	18.51	19.05	-	19.01	19.39	19.96	-	19.73	20.13	20.74	-	20.36	20.77	21.41	-	
75	6720	MBh	182.0	187.4	202.8	217.7	177.8	183.0	198.1	212.6	173.5	178.7	193.4	207.6	169.3	174.3	188.7	202.5	160.8	165.6	179.2	192.4	149.0	153.4	166.0	178.2
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		KW	16.56	16.87	17.35	17.85	17.70	18.04	18.57	19.12	18.70	19.08	19.64	20.23	19.59	19.99	20.59	21.22	20.35	20.76	21.39	22.06	21.00	21.43	22.09	22.78
	6000	MBh	176.7	181.9	196.9	211.4	172.6	177.7	192.3	206.4	168.5	173.5	187.8	201.5	164.4	169.2	183.2	196.6	156.2	160.8	174.0	186.8	144.7	148.9	161.2	173.0
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		KW	16.44	16.75	17.23	17.72	17.57	17.91	18.43	18.98	18.57	18.93	19.49	20.08	19.45	19.84	20.43	21.06	20.19	20.61	21.23	21.89	20.84	21.27	21.92	22.60
5280	MBh	167.9	172.8	187.1	200.8	164.0	168.8	182.7	196.1	160.1	164.8	178.4	191.4	156.2	160.8	174.0	186.8	148.3	152.7	165.3	177.4	137.4	141.5	153.1	164.4	
	S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40	
	KW	16.21	16.51	16.98	17.46	17.31	17.65	18.16	18.69	18.29	18.65	19.20	19.78	19.15	19.54	20.12	20.73	19.89	20.29	20.90	21.55	20.52	20.94	21.58	22.25	
80	6720	MBh	185.2	189.3	202.2	216.2	180.9	184.9	197.5	211.2	176.6	180.5	192.8	206.1	172.3	176.1	188.1	201.1	163.7	167.3	178.7	191.0	151.6	155.0	165.5	177.0
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		KW	16.68	16.99	17.48	17.98	17.83	18.18	18.71	19.26	18.85	19.22	19.79	20.39	19.74	20.14	20.75	21.39	20.51	20.92	21.56	22.23	21.16	21.60	22.26	22.96
	6000	MBh	179.8	183.8	196.3	209.9	175.7	179.5	191.8	205.0	171.5	175.2	187.2	200.1	167.3	171.0	182.6	195.2	158.9	162.4	173.5	185.5	147.2	150.4	160.7	171.8
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		KW	16.56	16.87	17.35	17.85	17.70	18.04	18.57	19.12	18.71	19.08	19.64	20.24	19.59	19.99	20.59	21.22	20.35	20.76	21.40	22.06	21.00	21.43	22.09	22.78
5280	MBh	170.9	174.6	186.5	199.4	166.9	170.5	182.2	194.8	162.9	166.5	177.8	190.1	158.9	162.4	173.5	185.5	151.0	154.3	164.8	176.2	139.9	142.9	152.7	163.2	
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.56	1.00	0.94	0.76	0.57	
	KW	16.32	16.63	17.10	17.59	17.44	17.78	18.29	18.83	18.43	18.79	19.34	19.93	19.30	19.69	20.27	20.89	20.04	20.45	21.06	21.71	20.68	21.10	21.74	22.42	
85	6720	MBh	188.5	192.1	201.2	214.7	184.1	187.7	196.5	209.7	179.7	183.2	191.9	204.7	175.3	178.7	187.2	199.7	166.6	169.8	177.8	189.7	154.3	157.3	164.7	175.7
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		KW	16.80	17.12	17.60	18.12	17.96	18.31	18.84	19.41	18.99	19.36	19.94	20.55	19.89	20.30	20.91	21.55	20.66	21.09	21.73	22.41	21.33	21.77	22.44	23.14
	6000	MBh	183.0	186.5	195.4	208.4	178.7	182.2	190.8	203.6	174.5	177.9	186.3	198.7	170.2	173.5	181.7	193.9	161.7	164.8	172.6	184.2	149.8	152.7	159.9	170.6
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		KW	16.68	16.99	17.48	17.98	17.83	18.18	18.71	19.26	18.85	19.22	19.79	20.39	19.74	20.14	20.75	21.39	20.51	20.92	21.56	22.23	21.16	21.60	22.26	22.96
5280	MBh	173.8	177.2	185.6	198.0	169.8	173.1	181.3	193.4	165.8	169.0	177.0	188.8	161.7	164.8	172.6	184.2	153.6	156.6	164.0	175.0	142.3	145.1	151.9	162.1	
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	
	KW	16.44	16.75	17.22	17.72	17.57	17.91	18.43	18.97	18.56	18.93	19.49	20.08	19.44	19.83	20.43	21.05	20.19	20.60	21.23	21.88	20.84	21.26	21.91	22.60	

*EnteringIndoorTemperature-DegreesF.DryBulb

StandardRating

15 TON CONDENSER										
SATURATED SUCTION TEMP. - °F	OUTDOOR TEMPERATURE °F									
	75	80	85	90	95	100	105	110	115	
GROSS CONDENSER CAPACITY (MBTU/HR)										
35	168	164	160	156	151	147	143	138	133	
40	185	181	176	172	166	162	157	151	146	
45	203	198	193	188	183	177	172	166	160	
50	222	217	211	206	200	194	188	181	175	
COMPRESSOR & CONDENSER FAN POWER (KW)										
35	13.1	13.8	14.4	15.2	15.9	16.8	17.6	18.5	19.4	
40	15.0	15.6	16.3	17.0	17.8	18.6	19.4	20.3	22.0	
45	15.3	16.0	16.7	17.4	18.2	19.0	19.8	20.7	21.6	
50	15.7	16.4	17.1	17.8	18.6	19.4	20.2	21.1	22.0	
EER (GROSS CAPACITY ÷ COMPRESSOR & FAN POWER)										
35	12.8	11.9	11.1	10.3	9.5	8.8	8.1	7.4	6.8	
40	12.3	11.6	10.8	10.1	9.4	8.7	8.1	7.5	6.6	
45	13.2	12.4	11.6	10.8	10.1	9.4	8.7	8.0	7.4	
50	14.1	13.2	12.4	11.5	10.7	10.0	9.3	8.6	7.9	

EXPANDED PERFORMANCE DATA (COOLING) 20 TON with BAC240 (GROSS Capacity - See note on page 4)

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	8960	MBh	230.9	239.3	262.2	-	225.5	233.7	256.1	-	220.1	228.2	250.0	-	214.8	222.6	243.9	-	204.0	211.5	231.7	-	189.0	195.9	214.6	-
		S/T	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.91	0.76	0.52	-	0.94	0.78	0.54	-	0.97	0.81	0.56	-	0.98	0.82	0.57	-
		KW	17.40	17.79	18.38	-	18.80	19.23	19.87	-	20.04	20.50	21.19	-	21.13	21.62	22.36	-	22.06	22.57	23.34	-	22.86	23.39	24.20	-
	8000	MBh	224.1	232.3	254.5	-	218.9	226.9	248.6	-	213.7	221.5	242.7	-	208.5	216.1	236.8	-	198.1	205.3	224.9	-	183.5	190.2	208.4	-
		S/T	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.72	0.50	-	0.89	0.75	0.52	-	0.93	0.77	0.54	-	0.93	0.78	0.54	-
		KW	17.26	17.64	18.22	-	18.65	19.07	19.70	-	19.87	20.32	21.01	-	20.95	21.43	22.16	-	21.87	22.38	23.14	-	22.66	23.19	23.99	-
7040	MBh	212.9	220.7	241.8	-	208.0	215.6	236.2	-	203.0	210.4	230.6	-	198.1	205.3	224.9	-	188.2	195.0	213.7	-	174.3	180.7	197.9	-	
	S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.69	0.48	-	0.86	0.71	0.50	-	0.89	0.74	0.51	-	0.90	0.75	0.52	-	
	KW	16.98	17.35	17.92	-	18.33	18.74	19.37	-	19.53	19.98	20.65	-	20.59	21.06	21.78	-	21.49	21.99	22.74	-	22.27	22.78	23.57	-	
75	8960	MBh	234.8	241.7	261.7	280.8	229.3	236.1	255.6	274.3	223.9	230.5	249.5	267.8	218.4	224.9	243.4	261.2	207.5	213.6	231.2	248.2	192.2	197.9	214.2	229.9
		S/T	0.97	0.87	0.66	0.42	1.00	0.90	0.68	0.44	1.00	0.92	0.70	0.45	1.00	0.95	0.72	0.46	1.00	0.99	0.75	0.48	1.00	1.00	0.75	0.49
		KW	17.55	17.94	18.53	19.16	18.97	19.39	20.04	20.73	20.22	20.68	21.38	22.11	21.32	21.81	22.55	23.34	22.25	22.77	23.55	24.38	23.06	23.60	24.42	25.27
	8000	MBh	227.9	234.7	254.0	272.6	222.6	229.2	248.1	266.3	217.3	223.8	242.2	260.0	212.0	218.3	236.3	253.6	201.4	207.4	224.5	240.9	186.6	192.1	207.9	223.2
		S/T	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.98	0.88	0.67	0.43	1.00	0.91	0.69	0.44	1.00	0.94	0.71	0.46	1.00	0.95	0.72	0.46
		KW	17.41	17.79	18.38	19.00	18.81	19.23	19.87	20.55	20.04	20.50	21.19	21.92	21.14	21.62	22.36	23.14	22.06	22.57	23.35	24.16	22.86	23.40	24.20	25.05
7040	MBh	216.5	223.0	241.3	259.0	211.5	217.8	235.7	253.0	206.5	212.6	230.1	247.0	201.4	207.4	224.5	240.9	191.4	197.0	213.3	228.9	177.3	182.5	197.6	212.0	
	S/T	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	1.00	0.90	0.68	0.44	1.00	0.91	0.69	0.44	
	KW	17.12	17.50	18.07	18.68	18.49	18.91	19.54	20.20	19.70	20.15	20.83	21.54	20.77	21.25	21.97	22.73	21.68	22.18	22.94	23.74	22.47	22.99	23.78	24.61	
80	8960	MBh	239.0	244.2	260.9	278.9	233.4	238.5	254.8	272.4	227.8	232.8	248.7	265.9	222.3	227.1	242.7	259.4	211.2	215.8	230.5	246.4	195.6	199.9	213.5	228.3
		S/T	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.86	0.65	1.00	1.00	0.89	0.67	1.00	1.00	0.93	0.69	1.00	1.00	0.93	0.70
		KW	17.70	18.09	18.69	19.32	19.13	19.56	20.22	20.91	20.39	20.86	21.56	22.31	21.50	22.00	22.75	23.54	22.45	22.97	23.76	24.59	23.27	23.81	24.63	25.50
	8000	MBh	232.0	237.1	253.3	270.7	226.6	231.5	247.4	264.4	221.2	226.0	241.5	258.2	215.8	220.5	235.6	251.9	205.0	209.5	223.8	239.3	189.9	194.1	207.3	221.6
		S/T	1.00	0.95	0.77	0.58	1.00	0.99	0.80	0.60	1.00	1.00	0.82	0.62	1.00	1.00	0.85	0.64	1.00	1.00	0.88	0.66	1.00	1.00	0.89	0.66
		KW	17.55	17.94	18.54	19.16	18.97	19.40	20.05	20.73	20.22	20.68	21.38	22.12	21.32	21.81	22.56	23.34	22.26	22.77	23.55	24.38	23.07	23.60	24.42	25.28
7040	MBh	220.4	225.2	240.6	257.2	215.3	220.0	235.0	251.2	210.1	214.7	229.4	245.2	205.0	209.5	223.8	239.3	194.8	199.0	212.6	227.3	180.4	184.4	197.0	210.6	
	S/T	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.57	1.03	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.04	0.85	0.63	1.00	1.05	0.85	0.64	
	KW	17.26	17.64	18.22	18.83	18.65	19.07	19.70	20.37	19.87	20.32	21.01	21.73	20.95	21.43	22.16	22.93	21.87	22.38	23.14	23.95	22.66	23.19	23.99	24.83	
85	8960	MBh	243.1	247.8	259.6	276.9	237.5	242.1	253.5	270.5	231.8	236.3	247.5	264.0	226.2	230.5	241.5	257.6	214.9	219.0	229.4	244.7	199.0	202.9	212.5	226.7
		S/T	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.86	1.00	1.00	1.00	0.90	1.00	1.00	1.00	0.91
		KW	17.85	18.24	18.85	19.48	19.29	19.73	20.39	21.09	20.56	21.03	21.75	22.50	21.69	22.19	22.95	23.75	22.64	23.17	23.97	24.81	23.47	24.02	24.85	25.73
	8000	MBh	236.0	240.6	252.0	268.9	230.6	235.0	246.1	262.6	225.1	229.4	240.3	256.3	219.6	223.8	234.4	250.1	208.6	212.6	222.7	237.6	193.2	197.0	206.3	220.1
		S/T	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.86	1.00	1.00	1.00	0.86
		KW	17.70	18.09	18.69	19.32	19.13	19.56	20.22	20.91	20.39	20.86	21.56	22.31	21.50	22.00	22.75	23.54	22.45	22.97	23.76	24.59	23.27	23.81	24.63	25.50
7040	MBh	224.2	228.6	239.4	255.4	219.0	223.3	233.8	249.5	213.8	218.0	228.3	243.5	208.6	212.6	222.7	237.6	198.2	202.0	211.6	225.7	183.6	187.1	196.0	209.1	
	S/T	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.94	0.77	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83	
	KW	17.40	17.79	18.38	18.99	18.80	19.23	19.87	20.55	20.04	20.50	21.19	21.92	21.13	21.62	22.36	23.13	22.06	22.57	23.34	24.16	22.86	23.39	24.20	25.05	

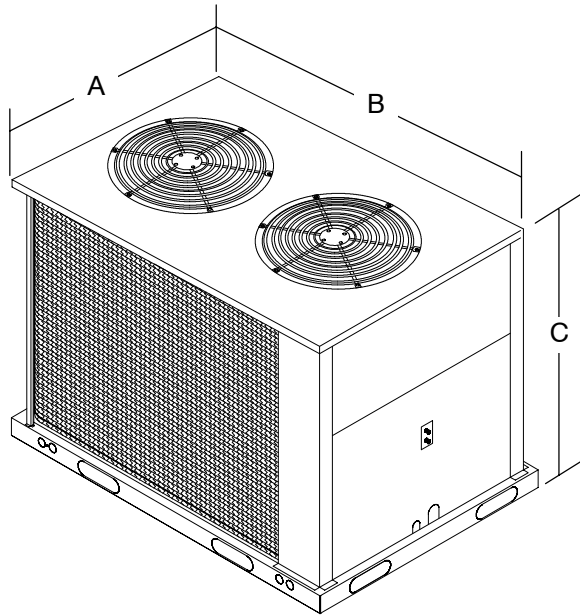
*EnteringIndoorTemperature-DegreesF.DryBulb

StandardRating

20 TON CONDENSER

SATURATED SUCTION TEMP. - °F	OUTDOOR TEMPERATURE °F								
	75	80	85	90	95	100	105	110	115
GROSS CONDENSER CAPACITY (MBTU/HR)									
35	217	212	206	201	195	190	184	177	171
40	239	233	227	221	215	209	202	195	188
45	262	255	249	242	236	229	221	214	206
50	286	279	272	265	258	250	242	234	225
COMPRESSOR & CONDENSER FAN POWER (KW)									
35	16.3	17.1	17.9	18.8	19.8	20.8	21.9	22.9	24.1
40	18.6	19.4	20.3	21.1	22.1	23.1	24.1	25.2	27.3
45	19.1	19.8	20.7	21.6	22.6	23.5	24.6	25.7	26.8
50	19.5	20.3	21.2	22.1	23.1	24.1	25.1	26.2	27.4
EER (GROSS CAPACITY ÷ COMPRESSOR & FAN POWER)									
35	13.3	12.4	11.5	10.7	9.9	9.1	8.4	7.7	7.1
40	12.8	12.0	11.2	10.5	9.7	9.1	8.4	7.7	6.9
45	13.7	12.9	12.0	11.2	10.4	9.7	9.0	8.3	7.7
50	14.7	13.7	12.8	12.0	11.2	10.4	9.6	8.9	8.2

UNIT DIMENSIONS



ALL DIMENSIONS IN INCHES
DIMENSIONS FROM BASE LEVEL

Unit Size	A	B	C
12-1/2 & 15 Ton	42-1/16	68-3/8	49-1/8
20 Ton	42-1/16	68-3/8	51-1/8

ACCESSORIES

COIL PROTECTION *

Description	Model Number	Used on
Coil Guard	AGC09CUOA	12-1/2 ton
	AGC10CUOA	15 ton
	AGC11CUOA	20 ton
Hail Guard	AGH09CUOA	12-1/2 ton
	AGH10CUOA	15 ton
	AGH11CUOA	20 ton

ACCESSORIES: LOW AMBIENT CONTROL

Model Number	Kit Number	Used on
ALA12CU0A	1085493	ALL

GUIDE SPECIFICATION

CABINET

The cabinet shall be made of sturdy triple step pre-painted G-90 galvanized steel for long lasting weatherproof construction. Base rails shall be made of 16 gauge steel and have fork lift slots plus holes provided for lifting shackles.

COOLING SECTION

Units shall have 10 oz. R-22 holding charge. The unit shall have a refrigerant system providing two stage cooling operation. Units shall provide staging capability, High and Low pressure switches, and service valves. The unit shall be designed for operation down to 40°F. as shipped.

COILS

The condenser coils shall be fabricated with aluminum fins mechanically bonded to copper tubing. The coil shall be pressure tested prior to assembly into the unit and electronically leak tested after assembly into the unit.

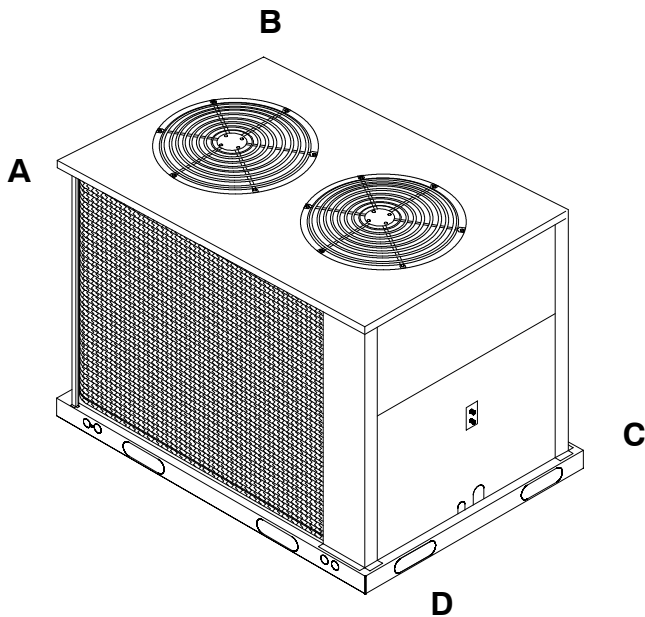
CONDENSER FAN(S)

The units shall have two condenser fan assemblies. The assemblies shall be mounted directly to a vertical-discharge grille that is easily removable for service. Motors shall be rated at 1100 RPM and shall have permanently lubricated ball bearings and internal overload protection.

COMPRESSORS

The units shall have 2 scroll compressors with internal overload protection.

UNIT WEIGHT



CORNER WEIGHTS (LBS)

UNIT SIZE (Ton)	A	B	C	D	OPERATING WEIGHT TOTAL
12-1/2	114	114	164	164	555
15	165	165	238	238	807
20	182	182	262	262	888