



CHA9 SERIES — HORIZONTAL — 50 Hz SINGLE PACKAGE AIR CONDITIONERS

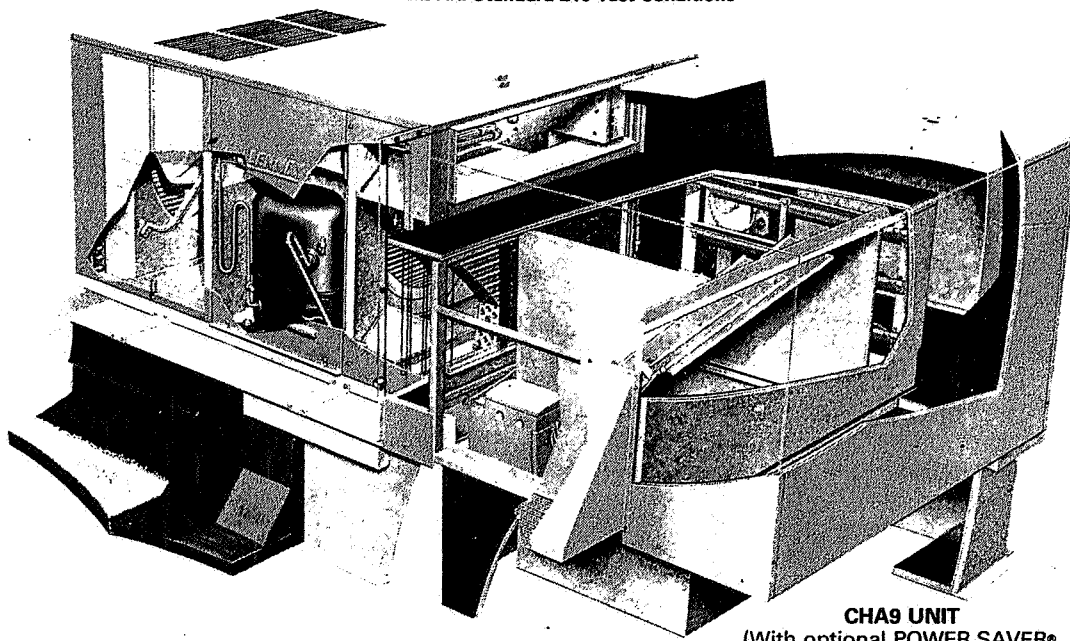
*6.6 to 15.6 kW (22 600 to 53 100 Btuh) Cooling Capacity
 7.7 to 27.6 kW (26 300 to 94 200 Btuh) Optional Electric Heat

*At ARI Standard 210 Test Conditions

PACKAGED
 Page 1

February 15, 1983

Supersedes
 April 15, 1981



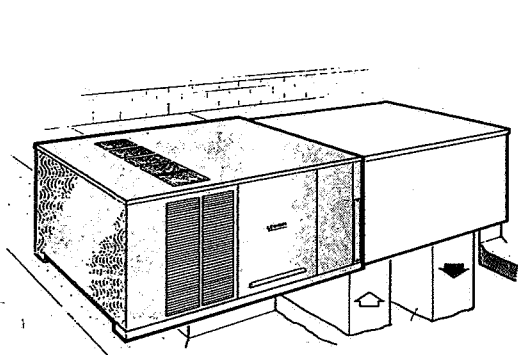
CHA9 UNIT
 (With optional POWER SAVER®,
 duct enclosure and mounting frame)

Reliability And High Efficiency Featured In Compact Single Package Air Conditioning Units

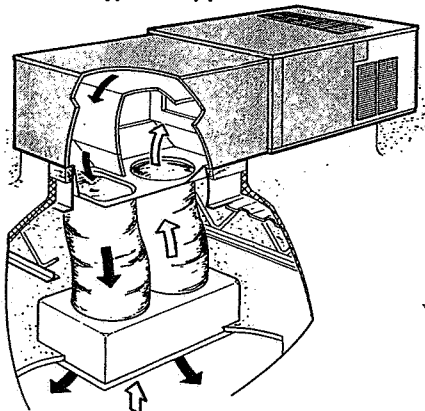
Lennox single package CHA9 series air conditioning units are designed for residential or small commercial installations. Four models are available with a wide and varied cooling capacity range. Units can be installed with ducts extended through a wall in a crawl space, basement, utility room or attic. Installation on a slab at grade level or on a rooftop will save valuable interior floor space. Optional accessories available for rooftop installations include a duct enclosure, POWER SAVER® and roof mounting frame. The mounting frame mates to the bottom of the CHA9 and duct enclosure and when flashed into the roof permits weatherproof duct connection and entry into the conditioned area. Optional POWER SAVER and controls field install in duct enclosure to reduce cooling operating costs and satisfy any local code fresh air requirements. Externally mounted optional minimum fresh air damper (manual) is also available. In addition, a choice of flush or step-down diffusers are available for a combination ceiling supply and return air distribution system. The CHA9 units contain

all refrigeration components (evaporator and condensing unit), air movers, air filters and optional additive electric heat in one complete package. Optional electric heaters are available in several sizes for all season applications, space is provided in the unit for field installation. Evaporator supply and return air openings are both at the same end of the cabinet. Condenser air enters unit through louvered top panel and both side panels. Powerful direct drive fan(s) discharges air through condenser coil quietly and efficiently. Multispeed evaporator blower provides a choice of supply air flow. Large evaporator and condenser coils ensure maximum air contact and heat transfer. Cabinet is constructed of heavy gauge galvanized steel with a durable baked-on enamel finish. Units are shipped completely assembled and ready to install. In addition, all units are test operated at the factory to insure proper operation and dependability. The installer has only to locate unit, connect duct work, make field wiring connections, and mount thermostat to complete a low cost installation.

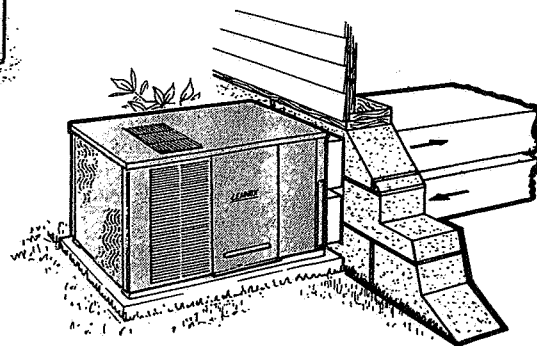
Typical Applications



Rooftop installation
 with optional RT10 duct enclosure.

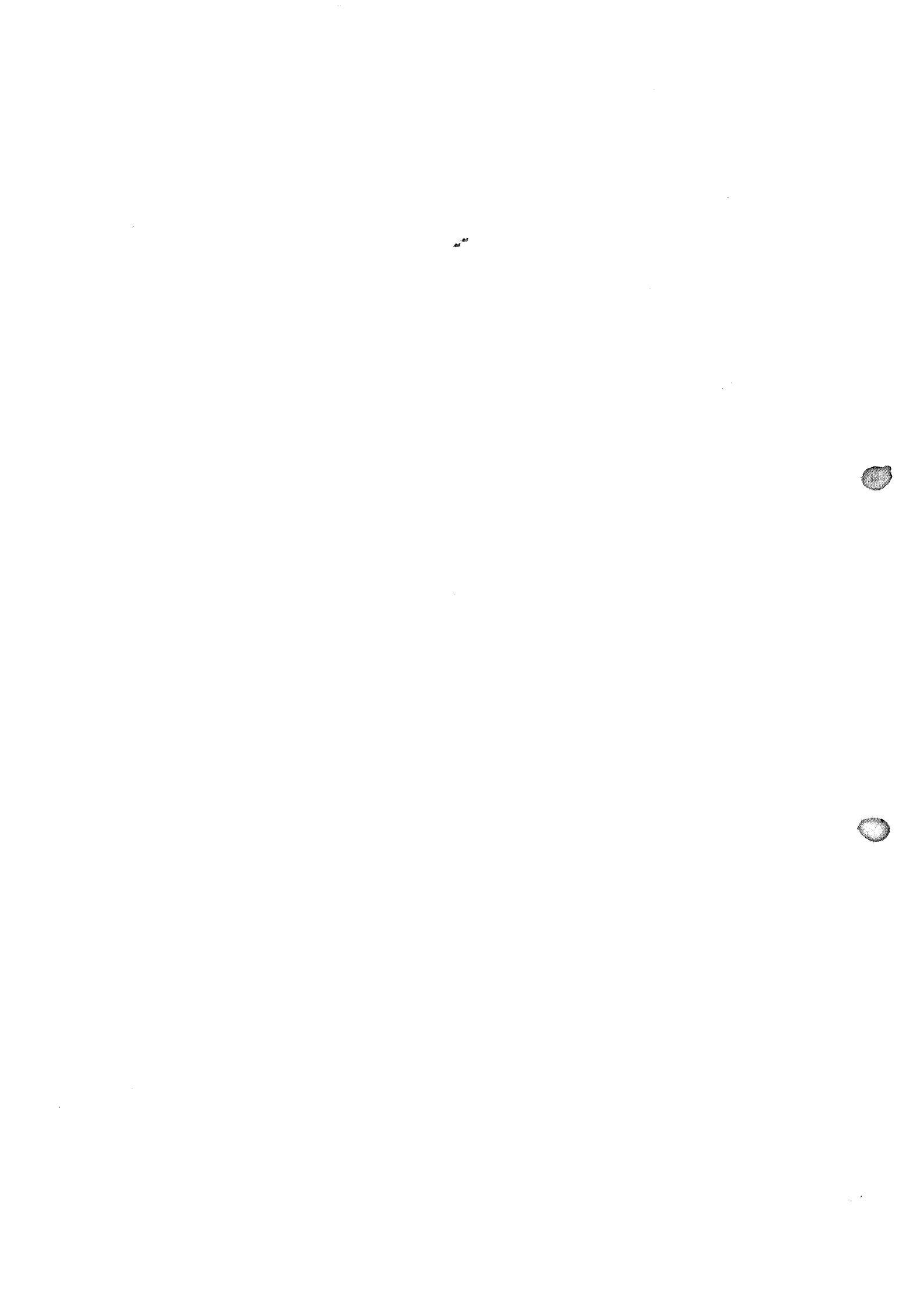


Rooftop installation with optional RT10 duct enclosure
 and combination ceiling supply and return transition.



Unit on slab
 at grade level

NOTE - Specification, Ratings and Dimensions subject to change without notice.



BLOWER DATA

CHA9-261-263 BLOWER PERFORMANCE

External Static Pressure		Air Volume at Various Speeds							
		High		Medium-High		Medium-Low		Low	
Pa	in. wg.	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm
0	0	590	1250	570	1200	530	1115	500	1050
25	0.1	560	1190	540	1135	500	1060	470	1000
50	0.2	530	1125	500	1055	470	990	440	925
75	0.3	490	1035	450	960	420	900	400	850
100	0.4	430	910	400	850	380	800	340	725
125	0.5	340	725	320	675	290	615	260	550
150	0.6	285	605	260	550	230	485	190	400

NOTE — All air volume data is measured external to unit with air filter in place.

CHA9-261-263 ELECTRIC HEAT AIR RESISTANCE

Air Volume		Total Resistance			
		Electric Heater Model Number			
		ECH9-41-311		ECH9-41-313 ECH9-41-471 ECH9-41-473	
L/s	cfm	Pa	in. wg.	Pa	in. wg.
285	600	10	0.04	15	0.06
330	700	15	0.06	17	0.07
380	800	17	0.07	22	0.09
425	900	22	0.09	27	0.11
470	1000	27	0.11	32	0.13
520	1100	32	0.13	37	0.15
565	1200	37	0.15	45	0.18
615	1300	45	0.18	52	0.21

CHA9-411-413 BLOWER PERFORMANCE

External Static Pressure		Air Volume at Various Speeds							
		High		Medium-High		Medium-Low		Low	
Pa	in. wg.	L/s	cfm	L/s	cfm	L/s	cfm	L/s	cfm
0	0	760	1600	700	1475	650	1380	600	1280
25	0.1	730	1550	670	1420	630	1325	590	1240
50	0.2	690	1480	640	1350	600	1270	560	1190
75	0.3	660	1400	610	1290	570	1210	530	1130
100	0.4	620	1320	570	1210	540	1140	510	1075
125	0.5	590	1250	540	1140	510	1075	480	1020
150	0.6	545	1155	510	1065	475	1010	460	970
175	0.7	490	1035	455	965	440	930	420	890
200	0.8	435	920	405	860	390	830	380	800

NOTE — All air volume data is measured external to unit with air filter in place.

CHA9-411-413 ELECTRIC HEAT AIR RESISTANCE

Air Volume		Total Resistance					
		Electric Heater Model Number					
		ECH9-41-311		ECH9-41-313 ECH9-41-471 ECH9-41-473 ECH9-41-563		ECH9-41-631	
L/s	cfm	Pa	in. wg.	Pa	in. wg.	Pa	in. wg.
425	900	22	0.09	27	0.11	30	0.12
470	1000	27	0.11	32	0.13	35	0.14
520	1100	32	0.13	37	0.15	42	0.17
565	1200	37	0.15	45	0.18	50	0.20
615	1300	45	0.18	52	0.21	60	0.24
660	1400	52	0.21	60	0.24	70	0.28



OPTIONAL ROOFTOP ACCESSORIES – DIMENSIONS – mm (inches)

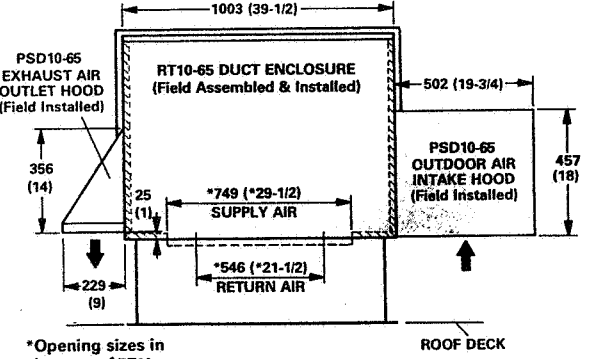
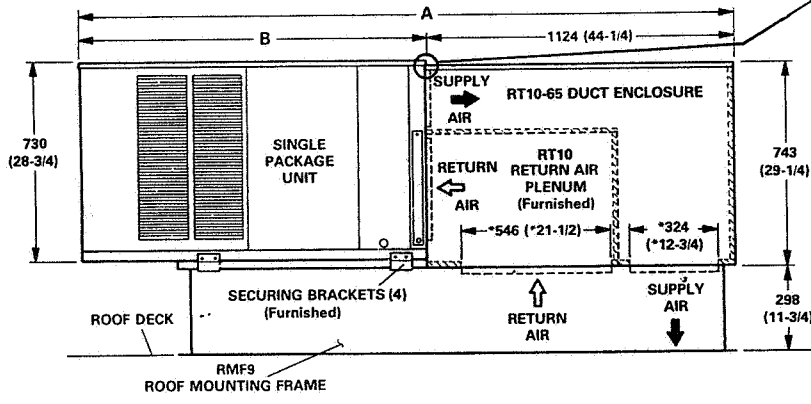
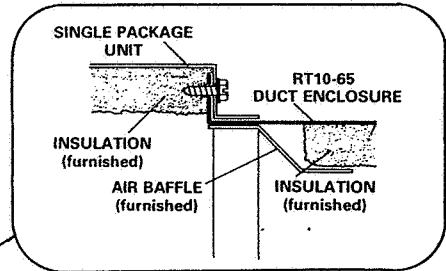
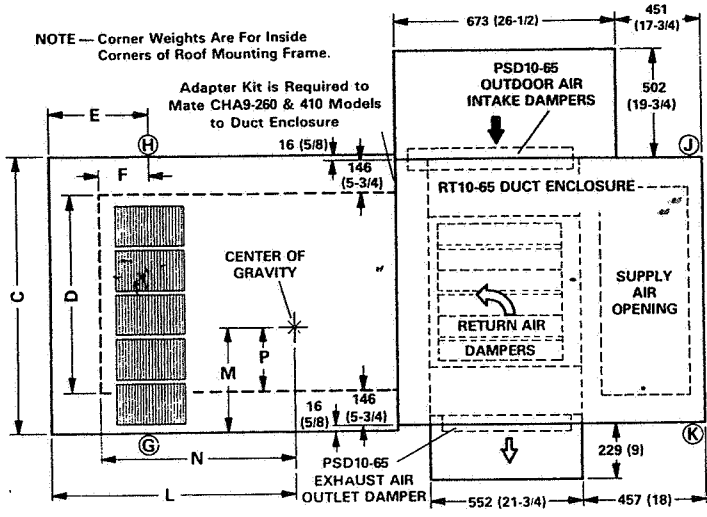
CORNER WEIGHTS

Model Number	G		H		J		K	
	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.
CHA9-260	89	197	82	181	49	109	54	118
CHA9-410	94	207	87	191	52	115	57	125
CHA9-513-653	150	330	102	224	44	98	66	146

NOTE – Corner weight of basic unit with SRT10-65, PSD10-65, RT10-65, RMFG-65 and electric heat.

CENTER OF GRAVITY

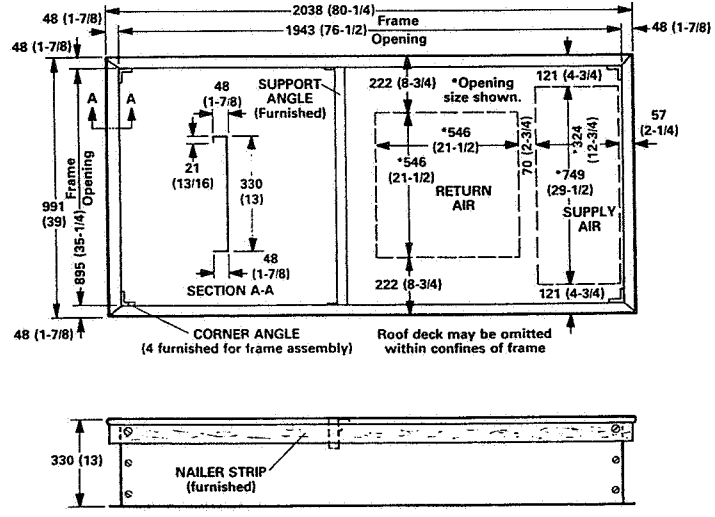
Model Number	L		M		N		P	
	mm	in.	mm	in.	mm	in.	mm	in.
CHA9-260-410	---	---	---	---	953	37-1/2	337	13-1/4
CHA9-513-653	965	38	432	17	---	---	---	---



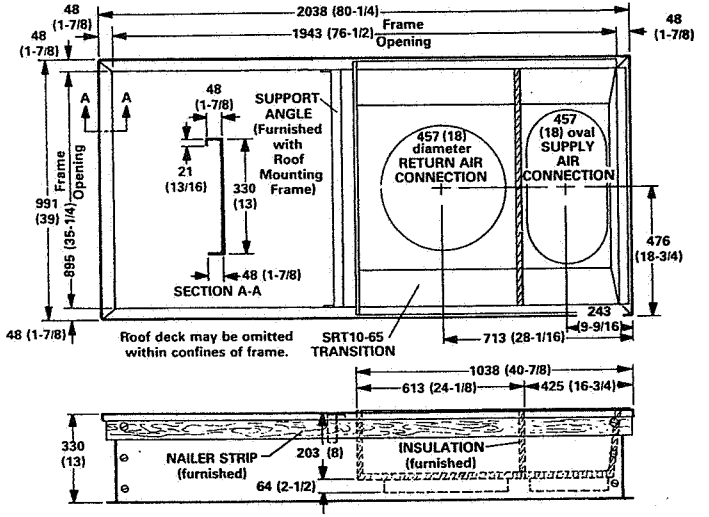
Model Number	A		B		C		D		E		F	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
CHA9-260-410	2210	87	1086	42-3/4	---	---	711	28	---	---	203	8
CHA9-513-653	2388	94	1264	49-3/4	1035	40-3/4	---	---	356	14	---	---

RMF9-65 ROOF MOUNTING FRAME

ROOF MOUNTING FRAME WITH DOUBLE DUCT OPENING

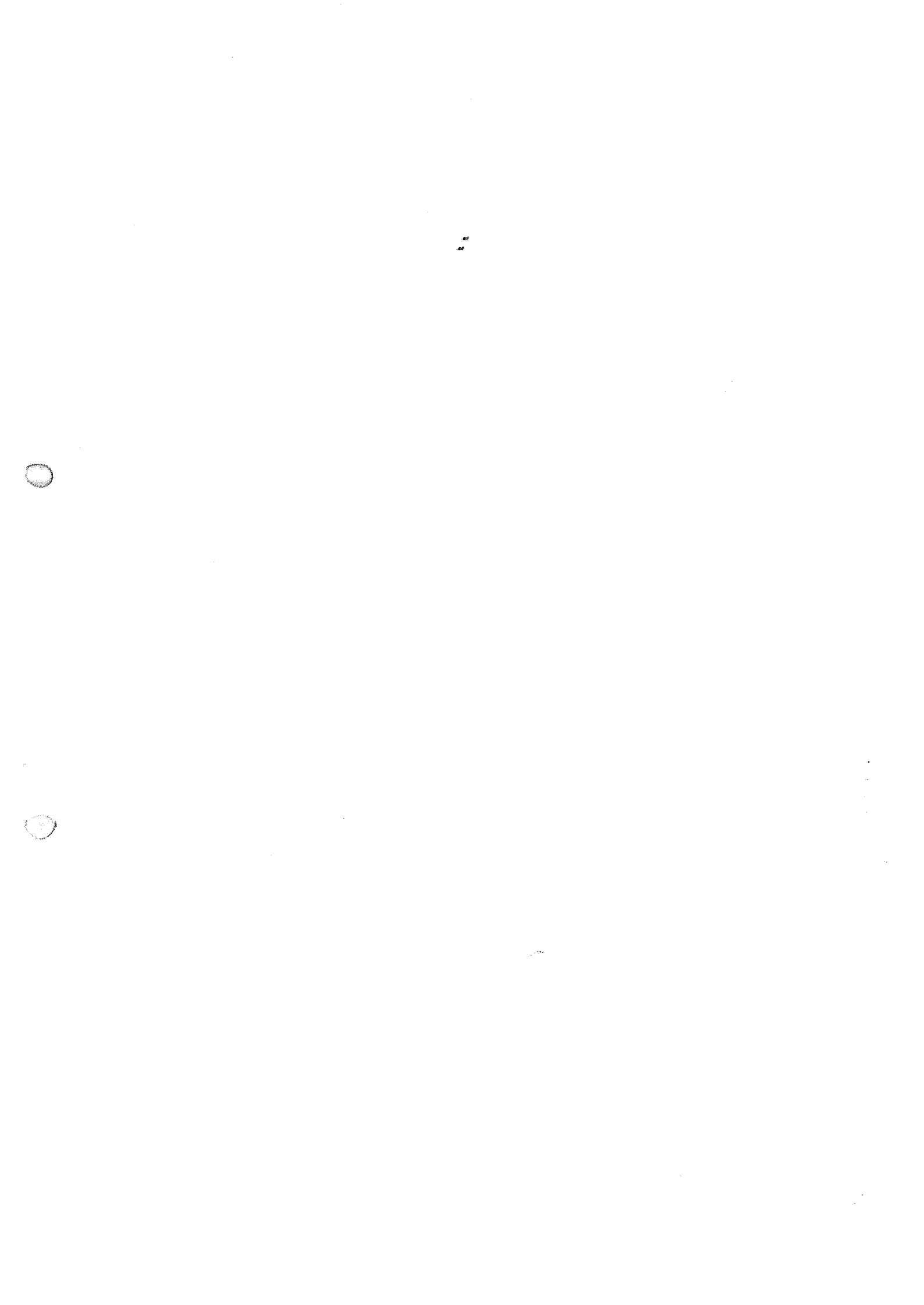


ROOF MOUNTING FRAME WITH COMBINATION CEILING SUPPLY AND RETURN



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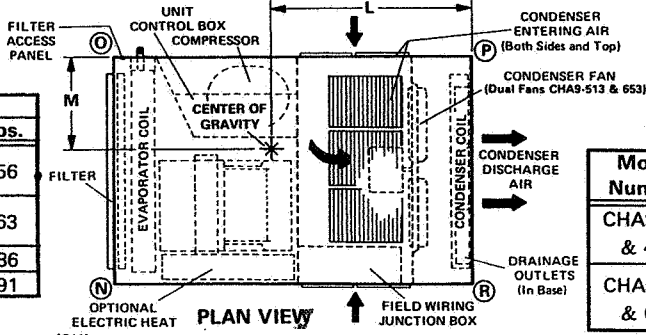




DIMENSIONS — mm (inches)

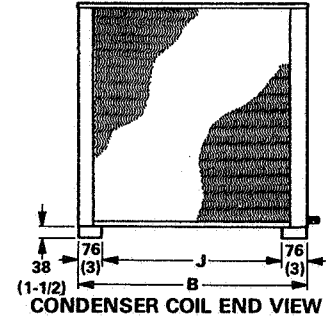
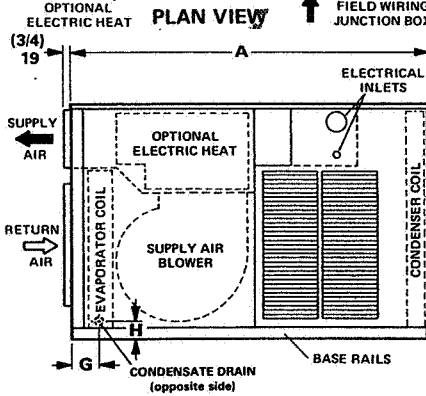
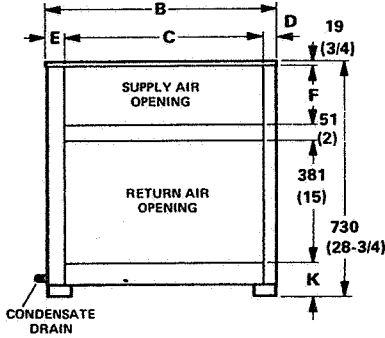
CORNER WEIGHTS

Model Number	N		O		P		R	
	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.
CHA9-261	28	61	39	85	35	78	25	56
CHA9-263								
CHA9-411	31	68	43	94	39	87	29	63
CHA9-413								
CHA9-513	54	120	67	148	48	106	39	86
CHA9-653	58	128	72	158	51	113	41	91



CENTER OF GRAVITY

Model Number	L		M	
	mm	in.	mm	in.
CHA9-260 & 410	565	22-1/4	298	11-3/4
CHA9-513 & 653	737	29	464	18-1/4



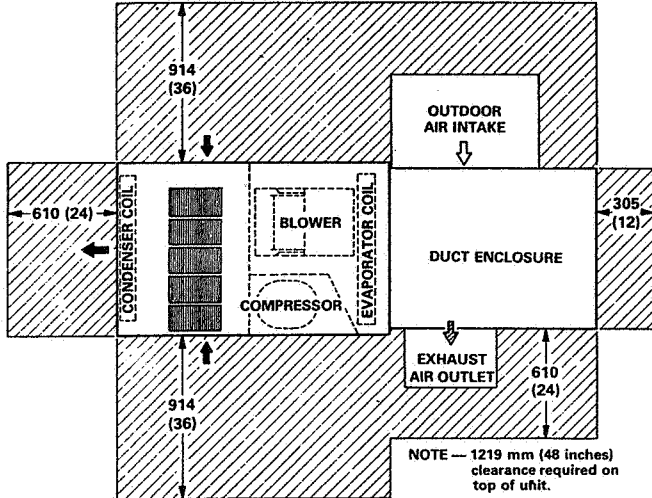
EVAPORATOR COIL END VIEW

SIDE VIEW

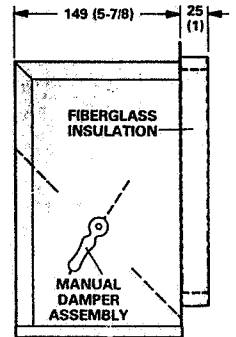
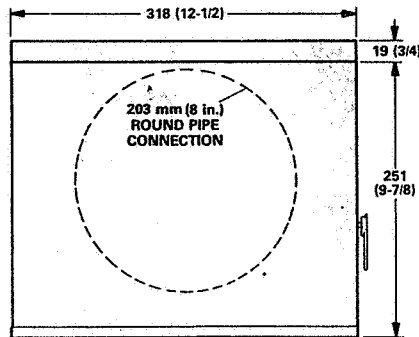
CONDENSER COIL END VIEW

Model Number	A		B		C		D		E		F		G		H		J		K	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
CHA9-260 & 410	1086	42-3/4	711	28	610	24	46	1-13/16	56	2-3/16	178	7	124	4-7/8	60	2-3/8	559	22	102	4
CHA9-513 & 653	1264	49-3/4	1035	40-3/4	864	34	70	2-3/4	102	4	203	8	152	6	64	2-1/2	883	34-3/4	76	3

INSTALLATION CLEARANCES — mm (inches)



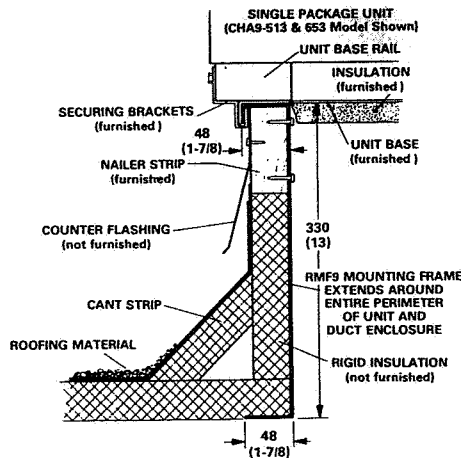
OPTIONAL OAD3-46/65 MINIMUM FRESH AIR DAMPER



FRONT VIEW

AIR FLOW SIDE VIEW

TYPICAL FLASHING FOR RMF9 ROOF MOUNTING FRAME





COOLING RATINGS

NOTE - To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 1.
CHA9-261-263 COOLING CAPACITY (50Hz)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Temperature																							
			29°C (85°F)						35°C (95°F)						41°C (105°F)						46°C (115°F)					
			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kW	Btuh		kW	24°C/76°F	27°C/80°F	29°C/84°F	kW		Btuh	kW	24°C/76°F	27°C/80°F	29°C/84°F		kW	Btuh	kW	24°C/76°F	27°C/80°F		29°C/84°F	kW	Btuh
17.2°C (63°F)	305	650	6.5	22 100	2.12	.71	.81	.91	6.1	20 800	2.25	.73	.84	.92	5.7	19 600	2.37	.75	.87	.92	5.4	18 300	2.45	.77	.90	.92
	355	750	6.7	22 700	2.14	.74	.85	.92	6.3	21 400	2.27	.76	.88	.92	5.9	20 100	2.39	.79	.91	.92	5.5	18 800	2.48	.82	.92	.92
	400	850	6.8	23 100	2.16	.77	.89	.92	6.4	21 700	2.29	.79	.92	.92	6.0	20 600	2.41	.82	.92	.92	5.7	19 400	2.51	.86	.92	.92
19.4°C (67°F)	305	650	6.9	23 600	2.18	.55	.65	.76	6.5	22 300	2.31	.56	.67	.78	6.1	20 900	2.43	.58	.69	.80	5.7	19 500	2.52	.59	.72	.84
	355	750	7.1	24 100	2.20	.57	.69	.79	6.6	22 600	2.33	.59	.71	.82	6.2	21 300	2.45	.60	.73	.85	5.8	19 900	2.54	.62	.76	.88
	400	850	7.2	24 500	2.21	.59	.72	.83	6.8	23 100	2.35	.61	.74	.86	6.3	21 600	2.46	.63	.76	.89	5.9	20 200	2.55	.65	.79	.92
21.7°C (71°F)	305	650	7.4	25 300	2.24	.42	.51	.61	7.0	23 900	2.38	.42	.52	.62	6.6	22 400	2.50	.43	.53	.64	6.2	21 000	2.59	.43	.55	.66
	355	750	7.5	25 700	2.26	.43	.53	.64	7.1	24 300	2.40	.43	.54	.65	6.7	22 800	2.51	.44	.56	.68	6.2	21 300	2.61	.45	.57	.70
	400	850	7.6	26 100	2.27	.44	.55	.66	7.2	24 600	2.41	.44	.56	.69	6.8	23 100	2.53	.45	.58	.71	6.3	21 600	2.62	.46	.60	.74

CHA9-411-413 COOLING CAPACITY (50Hz)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Temperature																							
			29°C (85°F)						35°C (95°F)						41°C (105°F)						46°C (115°F)					
			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kW	Btuh		kW	24°C/76°F	27°C/80°F	29°C/84°F	kW		Btuh	kW	24°C/76°F	27°C/80°F	29°C/84°F		kW	Btuh	kW	24°C/76°F	27°C/80°F		29°C/84°F	kW	Btuh
17.2°C (63°F)	425	900	9.4	32 200	3.51	.71	.81	.91	8.9	30 500	3.69	.73	.84	.92	8.4	28 800	3.86	.74	.86	.92	8.0	27 200	4.02	.77	.89	.92
	520	1100	9.8	33 300	3.57	.76	.88	.92	9.3	31 600	3.75	.78	.91	.92	8.7	29 700	3.93	.80	.92	.92	8.3	28 200	4.10	.83	.92	.92
	615	1300	10.0	34 100	3.62	.81	.92	.92	9.5	32 500	3.81	.83	.92	.92	9.0	30 800	4.00	.86	.92	.92	8.6	29 200	4.17	.89	.92	.92
19.4°C (67°F)	425	900	10.0	34 100	3.62	.56	.66	.76	9.5	32 300	3.80	.57	.68	.78	8.9	30 400	3.98	.58	.69	.81	8.4	28 600	4.13	.59	.72	.83
	520	1100	10.3	35 000	3.67	.59	.71	.82	9.7	33 200	3.85	.60	.73	.85	9.1	31 100	4.02	.62	.75	.88	8.6	29 300	4.18	.64	.78	.91
	615	1300	10.4	35 600	3.70	.62	.76	.88	9.8	33 600	3.89	.64	.78	.91	9.3	31 700	4.06	.66	.81	.92	8.7	29 800	4.22	.68	.84	.92
21.7°C (71°F)	425	900	10.6	36 300	3.74	.42	.52	.61	10.1	34 300	3.92	.42	.53	.63	9.5	32 300	4.10	.43	.54	.65	8.9	30 400	4.26	.44	.55	.67
	520	1100	10.9	37 100	3.78	.43	.55	.66	10.3	35 000	3.97	.44	.56	.68	9.6	32 900	4.14	.45	.58	.70	9.1	30 900	4.30	.46	.59	.73
	615	1300	11.0	37 600	3.81	.45	.58	.71	10.4	35 500	3.99	.46	.59	.73	9.8	33 400	4.17	.47	.61	.76	9.2	31 300	4.33	.48	.63	.78

CHA9-513 COOLING CAPACITY (50Hz)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Temperature																							
			29°C (85°F)						35°C (95°F)						41°C (105°F)						46°C (115°F)					
			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kW	Btuh		kW	24°C/76°F	27°C/80°F	29°C/84°F	kW		Btuh	kW	24°C/76°F	27°C/80°F	29°C/84°F		kW	Btuh	kW	24°C/76°F	27°C/80°F		29°C/84°F	kW	Btuh
17.2°C (63°F)	615	1300	12.7	43 500	4.05	.74	.85	.94	12.0	41 100	4.29	.76	.88	.94	11.3	38 700	4.56	.78	.91	.94	10.6	36 000	4.87	.81	.95	1.00
	710	1500	13.0	44 500	4.12	.78	.90	.94	12.3	42 100	4.37	.80	.93	.94	11.6	39 500	4.66	.83	.97	1.00	10.9	37 200	5.01	.86	1.00	1.00
	800	1700	13.3	45 300	4.17	.82	.94	.94	12.6	43 000	4.44	.84	.99	1.00	11.9	40 600	4.76	.88	1.00	1.00	11.2	38 100	5.12	.91	1.00	1.00
19.4°C (67°F)	615	1300	13.5	45 900	4.22	.58	.69	.80	12.7	43 300	4.47	.59	.71	.82	11.9	40 600	4.76	.61	.73	.85	11.1	37 800	5.09	.63	.76	.89
	710	1500	13.7	46 700	4.28	.60	.73	.85	12.9	44 100	4.53	.62	.75	.87	12.1	41 200	4.82	.64	.78	.91	11.3	38 400	5.15	.66	.81	1.00
	800	1700	13.9	47 400	4.32	.63	.76	.89	13.1	44 600	4.57	.65	.79	.93	12.3	41 800	4.87	.67	.82	.94	11.4	38 900	5.21	.69	.86	1.00
21.7°C (71°F)	615	1300	14.3	48 700	4.41	.43	.54	.64	13.5	45 900	4.68	.44	.55	.66	12.6	43 000	4.99	.45	.56	.68	11.7	40 000	5.34	.45	.58	.71
	710	1500	14.5	49 400	4.46	.44	.56	.68	13.6	46 500	4.73	.45	.58	.70	12.8	43 600	5.04	.46	.59	.73	11.8	40 400	5.39	.47	.61	.76
	800	1700	14.7	50 000	4.50	.46	.59	.71	13.8	47 000	4.77	.46	.60	.74	12.9	44 000	5.08	.47	.62	.77	12.0	40 800	5.44	.49	.65	.80

CHA9-653 COOLING CAPACITY (50Hz)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Temperature																							
			29°C (85°F)						35°C (95°F)						41°C (105°F)						46°C (115°F)					
			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kW	Btuh		kW	24°C/76°F	27°C/80°F	29°C/84°F	kW		Btuh	kW	24°C/76°F	27°C/80°F	29°C/84°F		kW	Btuh	kW	24°C/76°F	27°C/80°F		29°C/84°F	kW	Btuh
17.2°C (63°F)	755	1600	15.4	52 400	5.53	.74	.85	.92	14.6	49 700	5.88	.75	.88	.92	13.8	47 000	6.19	.78	.90	.92	13.0	44 200	6.46	.80	.94	1.00
	850	1800	15.6	53 400	5.61	.77	.89	.92	14.7	50 300	5.95	.79	.92	.92	14.0	47 900	6.29	.81	.96	1.00	13.3	45 400	6.59	.84	.99	1.00
	945	2000	15.8	54 000	5.67	.80	.92	.92	15.1	51 600	6.04	.82	.98	1.00	14.4	49 000	6.39	.85	1.00	1.00	13.6	46 400	6.69	.88	1.00	1.00
19.4°C (67°F)	755	1600	16.1	55 100	5.75	.57	.69	.80	15.3	52 300	6.10	.59	.70	.82	14.4	49 300	6.42	.60	.73	.85	13.6	46 400	6.69	.62	.75	.88
	850	1800	16.4	55 900	5.81	.60	.72	.84	15.6	53 100	6.16	.61	.74	.86	14.6	49 900	6.48	.63	.76	.89	13.8	47 000	6.75	.64	.79	.92
	945	2000	16.5	56 400	5.86	.62	.75	.88	15.7	53 500	6.21	.63	.77	.91	14.8	50 500	6.53	.65	.80	.92	13.9	47 500	6.80	.67	.83	.92
21.7°C (71°F)	755	1600	17.1	58 200	6.00	.43	.53	.64	16.2	55 200	6.36	.43	.55	.66	15.3	52 200	6.68	.44	.56	.68	14.4	49 100	6.96	.45	.57	.70
	850	1800	17.3	58 900	6.05	.44	.56	.67	16.4	55 800	6.41	.44	.57	.69	15.4	52 700	6.73	.45	.58	.71	14.5	49 600	7.01	.46	.60	.74
	945	2000	17.4	59 500	6.09	.45	.58	.70	16.5	56 300	6.45	.45	.59	.72	15.6	53 100	6.78	.46	.61	.75	14.7	50 000	7.05	.47	.62	.77

GUIDE SPECIFICATIONS

Prepared for the guidance of architects, consulting engineers and mechanical contractors.

General — Furnish and install a single package air to air direct expansion mechanical cooling system complete with automatic controls. The single package unit shall be a standard product of a firm regularly engaged in the manufacture of heating-cooling equipment.

The installed weight shall not be more than kg (lbs.). Entire unit shall have a width of not more than mm (inches), a depth of not more than mm (inches) and an overall height of not more than mm (inches). The equipment shall be shipped completely factory assembled pre-charged, piped and wired internally ready for field connections. In addition, manufacturer shall test operate system at the factory before shipment.

Roof Mounting Frame — Furnish and install a steel roof mounting frame. It shall mate to the bottom perimeter of the equipment. When flashed into the roof it shall make a unit mounting curb and provide weatherproof duct connection and entry into the conditioned area. Flashing shall be the responsibility of a roofing contractor.

Air Distribution — Equipment shall be capable of end or bottom handling of conditioned air. All air distribution ducts shall be fiberglass or galvanized steel insulated with mm (inch) thick kg/m³ (lb./ft.³) density fiberglass or equivalent.

Furnish and install (flush or stepdown) optional combination ceiling supply and return air grille. It shall be capable of not less than m (ft.) radius of effective throw.

Cabinet — Shall be of galvanized steel with a baked-on outdoor enamel paint finish. Cabinet panels where conditioned air is handled shall be fully insulated to prevent sweating and minimize sound. Openings shall be provided for power connection entry. Base shall have drainage holes in condenser section. Base support rails shall elevate unit off mounting surface.

Service Access — All components, wiring and inspection areas shall be completely accessible through removable panels.

Air Movers — Centrifugal conditioned air blower shall be direct driven by a multi-speed motor and be capable of delivering L/s (cfm) at an external static pressure of Pa (inches water gauge) requiring not more than kW (hp) motor output and rev/min. Blowers shall be statically and dynamically balanced.

Propeller type outdoor fan(s) shall be direct driven by kW (hp) output motor(s). Fan motor(s) shall be permanently lubricated and inherently protected.

Air filters — 25mm (1 in.) cleanable filters furnished shall have not less than m² (sq. ft.) of free area.

Cooling System — The total certified cooling capacity shall not be less than kW (Btuh) with an evaporator air volume of L/s (cfm), an entering wet bulb air temperature of °C (°F), an entering dry bulb air temperature of °C (°F) and a condenser entering temperature of °C (°F). The compressor power input shall not exceed kW at these conditions.

The coils shall be non-ferrous construction with aluminum fins mechanically bonded to durable copper tubes. Coils shall be pressure leak tested. Coil face area shall be not less than m² (sq. ft.) (evaporator) and m² (sq. ft.) (condenser).

The compressor shall be resiliently mounted, have overload protection, internal pressure relief and crankcase heater (CHA9-513 and CHA9-653 only). The refrigeration system shall have suction and discharge line service gauge ports, liquid line strainer, low pressure switch (CHA9-513 and CHA9-653 only) and full refrigerant charge. Control options available shall consist of timed off control.

Additive Electric Heaters — The certified total heating capacity shall be kW (Btuh) at volts power supply.

Optional electric heaters shall be available. Heating elements shall be nichrome bare wire exposed directly to the air stream. On 220/240V heaters, a thermal time delay relay shall bring the elements on and off in sequence with a time delay between each element. On 380/420V heaters, 3 phase contactors shall bring the elements on and off and maintain balanced phase loading.

Duct Enclosure — Furnish and install an optional field assembled duct enclosure. Enclosure shall attach to the single package unit and mate to the roof mounting frame providing weatherproof duct connection and entry into the conditioned area. Brackets shall be provided to secure unit and enclosure to frame. Enclosure shall be of galvanized steel with a baked-on outdoor enamel paint finish and shall be completely insulated.

POWER SAVER — Furnish and install complete with controls an optional air mixing damper assembly including outdoor air and recirculated air dampers with pressure operated exhaust air dampers. The assembly shall mount within the confines of the duct enclosure and provide for the introduction of outside air for minimum ventilation and for cooling. Outdoor air intake hood shall include air filter. Damper motor shall be 24 volt, 3 position spring return. Controls shall include adjustable mixed air controller, adjustable compressor monitor and adjustable enthalpy control.

Minimum Fresh Air Damper — Optional fresh air damper shall be available to provide outdoor air requirements. Damper box field installs external to duct enclosure and shall be manually operated.

Remote Status Panel — Shall be available for installation within the conditioned area to observe equipment operation. The panel shall include signal lights for Cool Mode, Heat Mode, Compressor, No Heat and Filter.

LENNOX Industries Limited

P.O. Box 43, Lister Road, Basingstoke, Hampshire.
RG22 4AR, England. Tel: 0256-61261

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