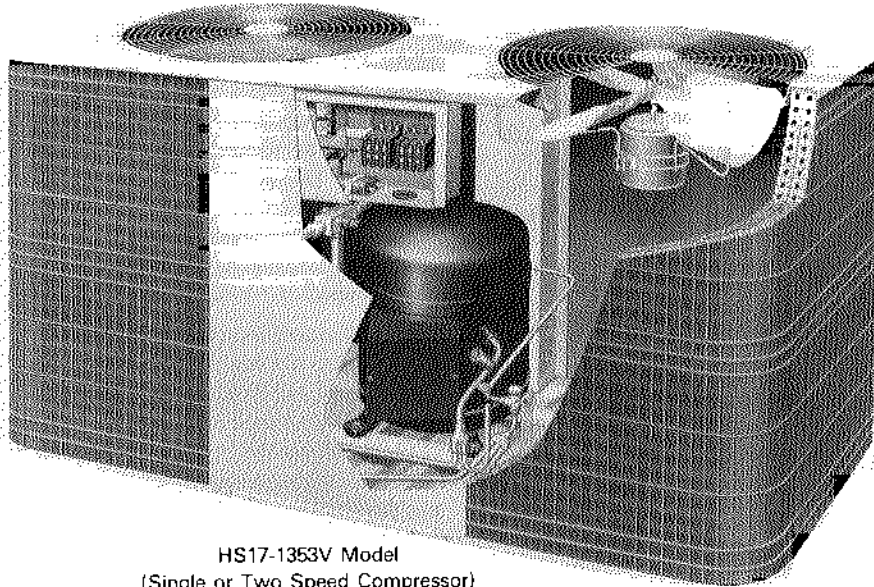




**HS17 SERIES
CONDENSING UNITS**
64,000 to 246,000 Btuh Cooling Capacity
ARI Standard Ratings

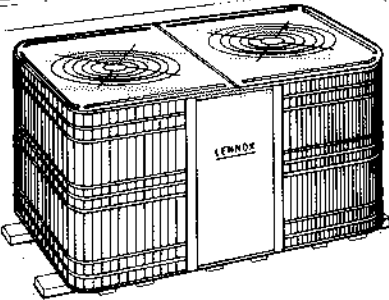
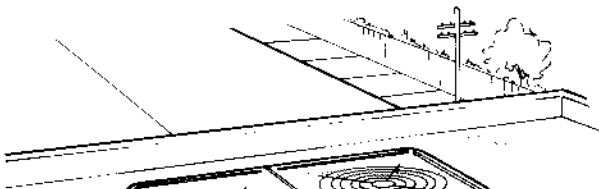
ENGINEERING DATA
COOLING UNITS
CONDENSING UNITS
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April 1988
Supersedes April 1987



HS17-1353V Model
(Single or Two Speed Compressor)



Typical Applications



Rooftop Installation



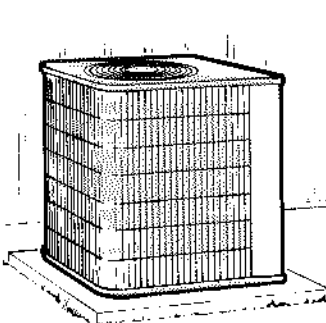
CERTIFICATION APPLIES ONLY
WHEN USED WITH PROPER
COMPONENTS AS LISTED
WITH ARI



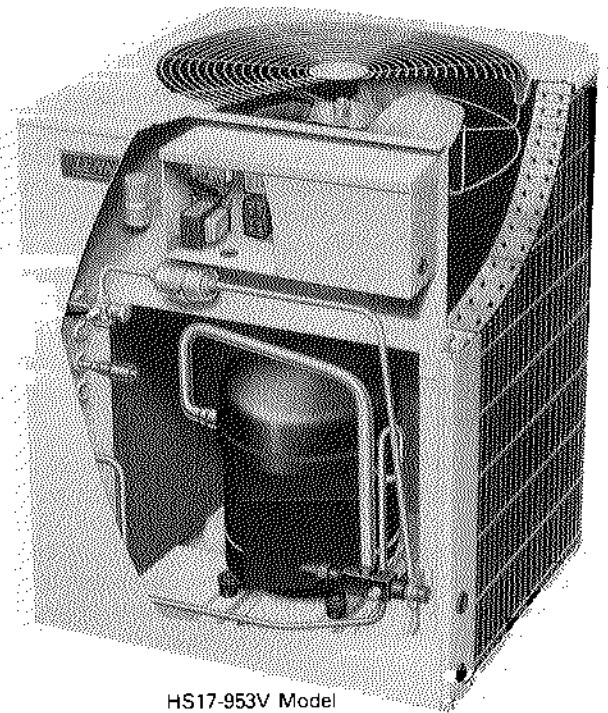
CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI



CERTIFICATION APPLIES ONLY
WHEN USED WITH PROPER
COMPONENTS AS LISTED
WITH ARI



Unit on a slab at grade level.



HS17-953V Model
(Single or Two Speed Compressor)

FEATURES

Application — The HS17 series air cooled condensing units are designed for application with a remotely located blower coil unit or a furnace add-on evaporator coil. HS17-953V and HS17-1353V models are available with a choice of either a single speed or two speed compressor. Compact, low height cabinet design will allow concealed installation on a slab at grade level or behind a parapet wall on a rooftop. Upward discharge of air reduces sound level, protects walkways and prevents lawn damage. A variety of matching blower-powered or furnace add-on evaporator units provides installation flexibility and application versatility. See ARI Ratings table. For multiple coil matches to condensing units, see RTM1 Zonemaster bulletin indexed in this section, Page 53. For evaporator unit data see bulletins indexed in tab section Coils-Blower Coil Units. Condensing units are shipped factory assembled, piped and wired. In addition, units are test operated at the factory to ensure on the job start-up. Installer has only to connect refrigerant lines, charge system and make electrical connections.

Durable Steel Cabinet — Heavy gauge galvanized steel cabinet is subject to a five station metal wash process. This preparation process results in a perfect bonding surface for the finish coat of baked-on outdoor enamel. The attractive enamel finish gives the cabinet long lasting protection from the weather. Drainage holes are furnished in base section for moisture removal. Heavy duty steel base channels raise the unit off of the mounting surface away from damaging moisture. Large removable panel provides service access.

Accessible Control Box — Large size and conveniently located in the unit cabinet for easy access. All controls are pre-wired at the factory.

HS17-813V Single Speed Compressor (Optional HS17-953V and HS17-1353V)

Reliable single speed compressor is hermetically sealed and provides trouble free operation and long service life. Built in protection devices assure protection from excessive current and temperature. Equipped with internal motor protection, vertical crankshaft, ringed valves and pistons, tuned discharge muffler, efficient oil pump and positive gas venting of lube system. Crankcase heater assures proper compressor lubrication. The entire running gear assembly is internally suspended. In addition, the compressor is installed in the unit on resilient rubber mounts assuring quiet and vibration free operation.

HS17-1853V and HS17-2753V Two Speed Compressor (Optional HS17-953V and HS17-1353V)

Rugged two speed compressor is hermetically sealed with built-in protection from excessive current and temperatures. During part load conditions the compressor operates in the low speed mode. Equipped with solid-state motor protection, vertical crankshaft, ringed valves and pistons, tuned discharge muffler, two stage oil pump and positive venting of lube system. Crankcase heater assures proper compressor lubrication. The entire running gear assembly is internally suspended. In addition, the compressor is installed in the unit on resilient rubber mounts assuring low sound and vibration free operation.

Refrigerant Lines and Service Valves — Suction and liquid lines require sweat connections and are made inside the unit on the HS17-813V, -953V & -1353V and are external to the unit on the HS17-1853V & -2753V models. Non-corrosive suction and liquid line service valves with gauge ports provide access to refrigerant system. A thermometer well is provided for checking refrigerant charge. Refrigerant lines and field wiring inlets are located in one central area of the unit cabinet.

Hi-Capacity Drier — Furnished and factory installed. Drier traps any moisture or dirt that could contaminate the refrigerant system.

High Pressure Switch — Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting. Protects the compressor from excessive condensing pressure. Manual reset.

Loss of Charge Switch — Shuts off unit if suction pressure falls below setting. Provides loss of charge and freeze up protection. Automatic reset.

Condenser Fan(s) — HS17-813V and HS17-953V models employ a single fan and the HS17-1353V, HS17-1853V and HS17-2753V models are equipped with dual fans. Efficient direct drive fan(s) moves large volumes of air uniformly through the entire condenser coil(s) resulting in high refrigerant cooling capacity. Vertical discharge of air minimizes operating sounds and eliminates hot air damage to lawn and shrubs. Fan motor(s) are totally enclosed (except HS17-2753V), inherently protected and equipped with a rain shield. Fan service access is accomplished by removal of fan guard(s). Corrosion resistant PVC (polyvinyl chloride) coated steel wire guard(s) is furnished as standard.

Copper Tube/Enhanced Fin Coil(s) — HS17-813V and HS17-953V models are equipped with a single "U" shaped coil and the HS17-1353V, HS17-1853V and HS17-2753V models have dual "U" shaped coils. Lennox designed and fabricated coil(s) is constructed of precisely spaced ripple-edge aluminum fins machine fitted to seamless copper tubes. Wrap-around "U" shaped coil configuration provides extra large surface area for low air resistance. Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer. In addition, fins are equipped with collars that grip tubing for maximum contact area. Flared shoulder tubing connections and silver soldering provide tight, leakproof joints. Long life copper tubing is corrosion-resistant and easy to field service. Coil(s) is thoroughly factory tested under high pressure to insure leakproof construction. Entire coil is accessible for cleaning. A non corrosive PVC coated steel wire coil guard(s) is furnished.

Timed-Off Control — Furnished and factory installed. Prevents compressor short-cycling. Automatic reset control will shut the compressor off and hold it off for 5 minutes.

Low Ambient Control (Optional) — Units will operate satisfactorily down to 50°F outdoor air temperature without any additional controls. For cases where operation of the unit is required at lower ambients, a Low Ambient Control Kit can be added in the field, enabling it to operate properly down to 0°F. HS17-813V and HS17-953V models use Kit (LB-57113BA) and HS17-1353V, HS17-1853V and HS17-2753V models use Kit (LB-57113BB). Kit must be ordered extra.

Thermostat (Optional) — Thermostat is not furnished with the unit and must be ordered extra. See Lennox Price Book.

HS17-1353V, HS17-1853V and HS17-2753V Disconnect Mounting Kit (Optional) — Disconnect mounting kit (LB-54822DA) provides a convenient mounting location for field furnished remote disconnect switch. Kit field installs to outside of unit cabinet adjacent to electrical inlets.

Approvals — HS17-813V, HS17-953V and HS17-1353V units have been tested in the Lennox Research Laboratory environmental test room and rated in accordance with ARI Standard 210-81. In addition, units have been sound rated in the Lennox reverberant sound test room and rated in accordance with ARI Standard 270-84. HS17-1853V and HS17-2753V models have been rated in accordance with ARI Standard 365-86. Condensing units and components within are bonded for grounding to meet safety standards for servicing required by U.L., ETL and N.E.C. HS17-813V, HS17-953V and HS17-1353V models are U.L. Listed. HS17-1853V and HS17-2753V are tested and listed by ETL Testing Laboratories Inc.

ARI RATINGS

Condensing Unit Model No. ★ ARI Standard 270 SRN (bels)		*ARI Standard 210 or †365 Ratings					Evaporator Unit			††Expansion Valve Kit
		SEER (Btuh/ Watts)	EER (Btuh/ Watts)	Cooling Capacity (Btuh)	Total Unit Watts	Integrated Part Load Value	Up-Flo	Down-Flo	Horizontal	
HS17-813V (8.6) Single Speed		7.75	7.75	64,000	8241		C16 65	CR16-65	----	LB-25778CD
		7.50	7.50	64,500	8585		**CB18-65	----	**CBS18-65	
		8.05	8.05	67,000	8337	----		----	CH16-65V	☆ Factory Installed
		8.05	8.05	67,000	8296	----	C14 65		----	LB-25778CD
		8.60	8.60	69,000	8029	----		----	**CB15-65	
		8.20	8.20	73,000	8979	----	C17 95/135V	----	----	☆ Factory Installed
		8.70	8.70	74,000	8710	----	**CB17-95V	----	**CBH17-95V	
HS17-953V (9.2)	Single Speed	8.40	8.40	90,000	10,849	----	C17-95/135V		----	☆ Factory Installed
	Two Speed	10.00	8.40							
	Single Speed	8.60	8.60	91,000	10,600	----				
	Two Speed	10.50	8.60							
	Single Speed	8.75	8.75	95,000	10,840	----				
	Two Speed	10.50	8.75							
HS17-1353V (9.0)	Single Speed	8.20	8.20	112,000	13,864	----	C17 95/135V		----	☆ Factory Installed
	Two Speed	9.65	8.20							
	Single Speed	8.50	8.50	120,000	14,200	----				
	Two Speed	10.30	8.50							
†HS17-1853V	Two Speed	10.50	8.80	188,000	21,400	10.3	**CB17-185V	----	**CBH17-185V	☆ Factory Inst.
†HS17-2753V	Two Speed	10.20	8.55	246,000	28,700	10.9	**CB17-275V	----	**CBH17 275V	☆ Factory Inst.

★ Sound Rating Number in accordance with ARI Standard 270.

† Rated in accordance with ARI Standard 210 or †365 and DOE; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air (*minimum external duct static pressure) with 25 ft. of connecting refrigerant lines.

** Denotes blower powered evaporator.

†† Kit is optional and must be ordered extra for field installation.

---: Furnished as standard with coil.

NOTE - For multiple coil matches to condensing units, see RTM1 Zonemaster bulletin in this section, Page 53.

SPECIFICATIONS

Model No.			HS17-813V	HS17-953V	HS17-1353V
Condenser Coil	Net face area (sq. ft)	Outer coil	21.36	21.36	33.44
		Inner coil	14.12	14.12	20.05
	Tube diameter (in.) & No. of rows		3/8 - 1.7	3/8 - 1.7	3/8 - 1.6
	Fins per inch		18	18	20
Condenser Fan(s)	Diameter (in.) & No. of blades		24 - 4	24 - 4	(2) 24 - 4
	Motor hp		3/4	3/4	(2) 1/4
	Cfm		5800	5800	8000
	Rpm		1050	1050	850
	Watts		760	760	720 (total)
Refrigerant - 22 charge furnished			holding charge	holding charge	holding charge
Liquid line (o.d. in.) connection - sweat			5/8	5/8	5/8
Suction line (o.d. in.) connection - sweat			1-1/8	1-3/8	1-3/8
Shipping weight (lbs.) - 1 Package			330	370	520

Model No.			HS17-1853V	HS17-2753V
Condenser Coil	Net face area (sq. ft)	Outer coil	41.8	46.0
		Inner coil(s)	32.08	44.11
	Tube diameter (in.) & No. of rows		3/8 - 1.8	3/8 - 2
	Fins per inch		20	20
Condenser Fans	Diameter (in.) & No. of blades		(2) 24 - 4	(2) 24 - 4
	Motor hp		(2) 3/4	(2) 1
	Cfm		11,000	12,000
	Rpm		1040	1110
	Watts		1600 (total)	1900 (total)
Refrigerant - 22 charge furnished			holding charge	holding charge
Liquid line (o.d. in.) connection - sweat			7/8	7/8
Suction line (o.d. in.) connection - sweat			1-5/8	1-5/8
Shipping weight (lbs.) - 1 Package			560	660

ELECTRICAL DATA – Single Speed Compressor

Model No.		HS17-813V		HS17-953V		HS17-1353V	
Line voltage data 60 hertz/3 phase		208/230v	460v	208/230v	460v	208/230v	460v
Compressor	Rated load amps	21.5	10.7	27.1	14.2	37.9	19.0
	Locked rotor amps	135.0	68.0	183.0	91.1	207.0	104.0
Condenser Coil Fan Motor (1 phase)	Full load amps	3.5	1.9	3.7	1.9	4.4	2.2
	Locked rotor amps	7.3	3.7	7.3	3.7	9.0	4.0
Unit power factor		.89	.89	.90	.90	.87	.87
Recommended maximum fuse or HACR type circuit breaker size (amps)		50	25	60	30	60	40
*Minimum circuit ampacity		30.4	15.3	37.6	19.7	51.7	25.9

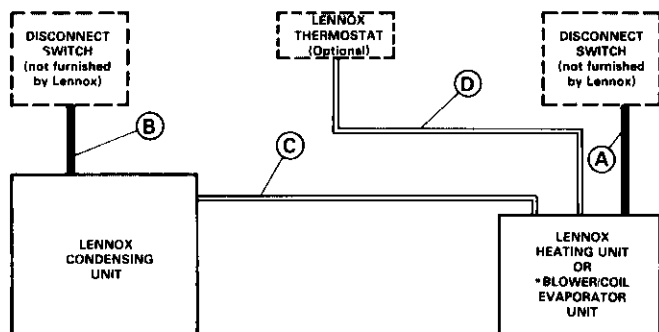
*Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements.
 NOTE Extremes of operating range are plus and minus 10% of line voltage.

ELECTRICAL DATA – Two Speed Compressor

Model No.			HS17-953V		HS17-1353V		HS17-1853V		HS17-2753V	
Line voltage data – 60 hertz/3 phase			208/230v	460v	208/230v	460v	208/230v	460v	208/230v	460v
Compressor	Rated load amps	High Speed	26.5	13.3	36.1	18.9	56.4	28.2	79.5	39.7
		Low Speed	13.3	6.7	18.9	9.5	28.2	14.1	39.7	19.9
	Locked rotor amps	High Speed	140.0	70.0	192.0	96.0	248.0	124.0	362.0	181.0
		Low Speed	48.0	24.0	66.0	33.0	89.0	45.0	124.0	62.0
Condenser Coil Fan Motor (1 phase)	Full load amps (total)		3.7	1.9	4.4	2.2	7.4	3.8	10.4	5.6
	Locked rotor amps (total)		7.3	3.7	9.0	4.0	14.6	7.4	18.2	14.0
Unit power factor			.90	.90	.87	.87	.87	.87	.87	.87
Recommended maximum fuse size (amps)			60	30	60	40	125	60	175	90
Maximum HACR type circuit breaker size (amps)			60	30	60	40	125	60	175	90
*Minimum circuit ampacity			36.8	18.5	49.5	25.8	77.9	42.7	109.8	55.2

*Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements.
 NOTE Extremes of operating range are plus and minus 10% of line voltage.
 †Not available over 60 amps.

FIELD WIRING



*CB17/CB17 applications without auxiliary electric heat require a separate 20VA (minimum rating) transformer.

- A – Three wire power (not furnished)
- B – Three wire power (not furnished) – See electrical data
- C – Two wire low voltage (not furnished) – 18 ga. minimum
 – HS17-813V-953V-1353V (Single Speed)
 Three wire low voltage (not furnished) – 18 ga. minimum
 – HS17-953V-1353V-1853V-2753V (Two Speed)
- D – Four wire low voltage (not furnished) – 18 ga. minimum
 – HS17-813V-953V-1353V (Single Speed)
 Six wire low voltage (not furnished) – 18 ga. minimum
 – HS17-953V-1353V-1853V-2753V (Two Speed)

All wiring must conform to NEC and local electrical codes.

*Applications without auxiliary electric heat require a separate 30VA (minimum rating) transformer.

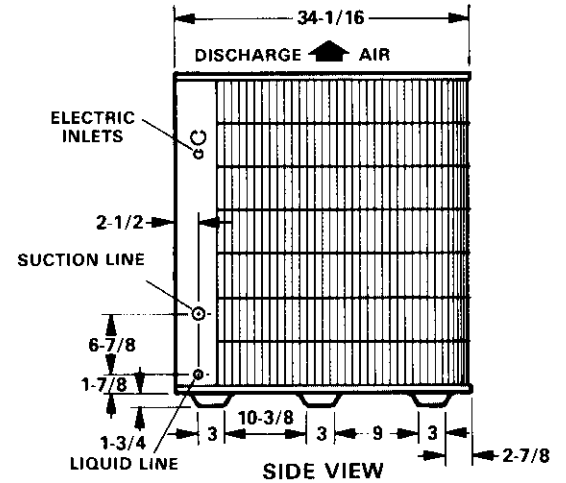
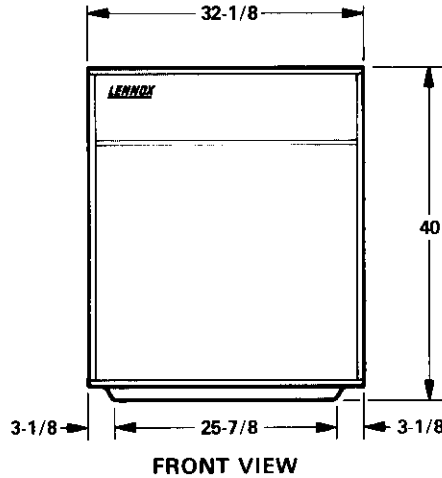
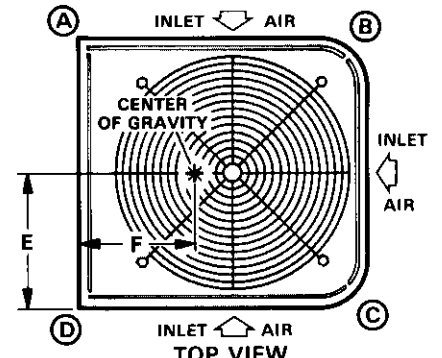
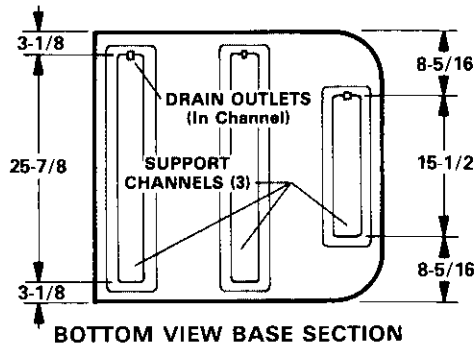
DIMENSIONS (inches)
HS17-813V – HS17-953V

CORNER WEIGHT (lbs.)

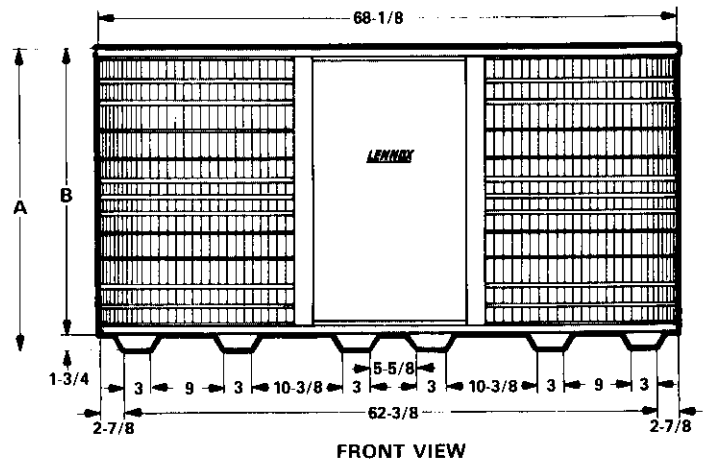
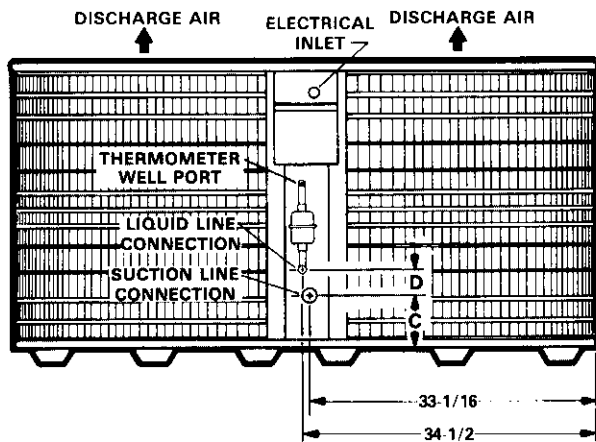
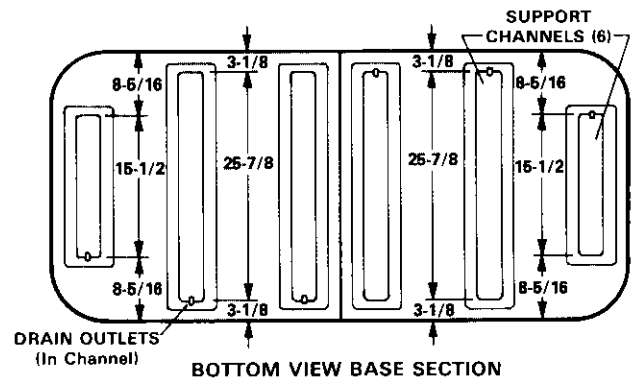
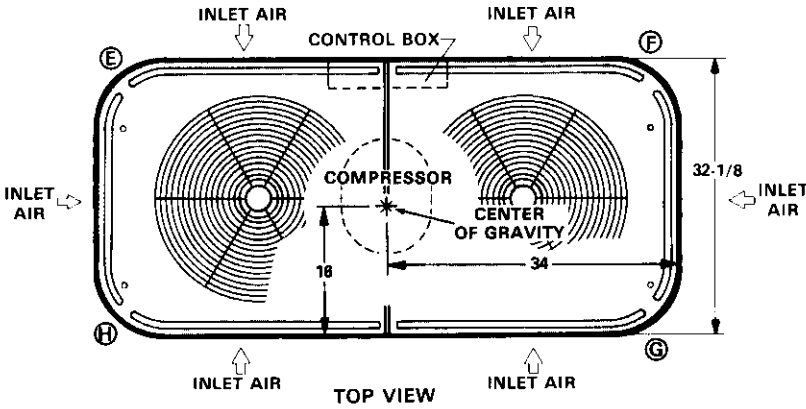
Model No.	A	B	C	D
HS17-813V	51	114	114	51
HS17-953V	84	101	101	84

CENTER OF GRAVITY (in.)

Model No.	E	F
HS17-813V	16	13
HS17-953V	16	16-1/2



HS17-1353V – HS17-1853V – HS17-2753V



BACK VIEW

FRONT VIEW

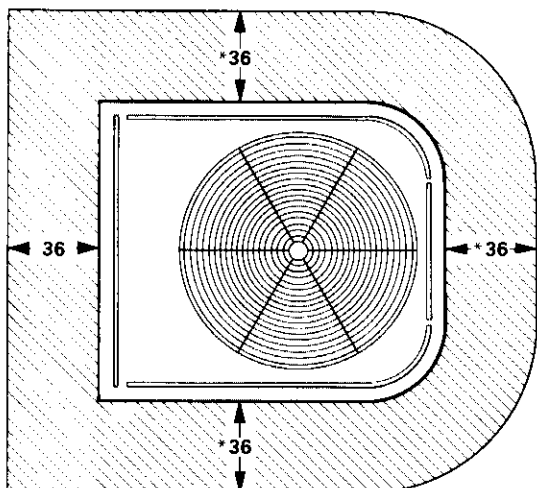
CORNER WEIGHT (lbs.)

Model No.	A	B	C	D
HS17-1353V	33-3/4	32	5-1/8	3
HS17-1853V	41-3/4	40	3-3/4	7
HS17-2753V	45-3/4	44	3-3/4	6

Model No.	E	F	G	H
HS17-1353V	130	130	130	130
HS17-1853V	140	140	140	140
HS17-2753V	165	165	165	165

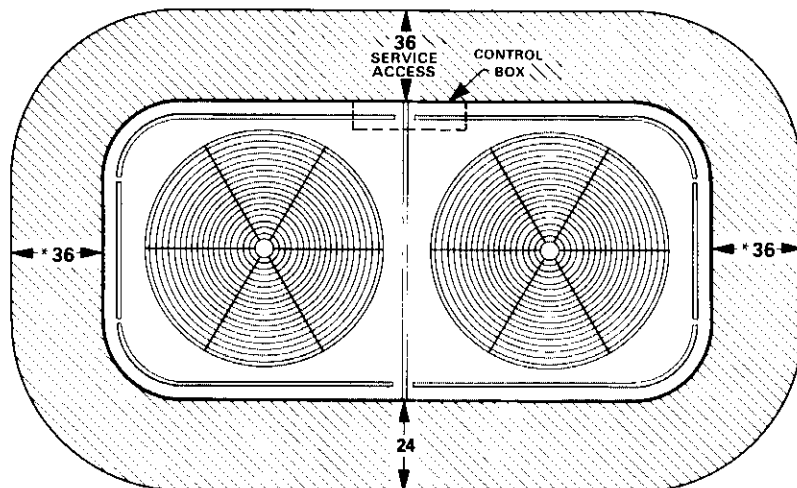
INSTALLATION CLEARANCES (inches)

HS17-813V — HS17-953V



NOTE — 48" clearance required on top of unit.
 *NOTE — One side of coil may be 12 inches.

HS17-1353V — HS17-1853V — HS17-2753V



NOTE — 48" clearance required on top of unit.
 *NOTE — One side of coil may be 12 inches.

GUIDE SPECIFICATIONS

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

General — Furnish and install an air cooled condensing unit. The unit shall be shipped completely factory assembled, piped and wired internally ready for field connections. In addition, manufacturer shall test operate unit at the factory before shipment. The condensing unit shall be a standard product of a firm regularly engaged in the manufacture of heating-cooling equipment. The manufacturer shall have parts and service available throughout the United States.

The installed weight shall not be more than lbs. Entire unit shall have a width of not more than inches, a depth of not more than inches and an overall height of not more than inches.

Cooling Capacity — The total cooling capacity shall be Btuh at °F evaporating temperature and outdoor air temperature of °F. The compressor power input shall not exceed kw at the above conditions.

Compressor — HS17-813V (and optional HS17-953V & -1353V) model shall have single speed compressor. HS17-1853V and -2753V (and optional HS17-953V & -1353V) models shall be equipped with two speed compressor providing staging control to deliver varying cooling load requirements. Compressor shall be resiliently mounted, suction cooled, overload protected, and have internal excessive current and temperature protection. Shall have vertical crankshaft, ringed valves and pistons, tuned discharge muffler, efficient oil pump and crankcase heater.

Refrigerant System — Shall include liquid line service valve, suction line service valve, gauge ports, hi-capacity drier, thermometer well, high pressure switch, loss of charge switch and timed-off control. Control options available shall include thermostat and low ambient control kit.

Condenser Coils(s) — Coil(s) shall be non-ferrous construction with aluminum fins mechanically bonded to durable copper tubes. Coil(s) shall be pressure leak tested. Coil face area shall be not less than sq. ft. Coil(s) shall be protected with steel guard(s).

Casing — Shall be constructed of galvanized steel which has been through a metal wash preparation and have a finish coat of baked-on outdoor enamel. Large access panel shall be provided to allow complete service. The base section shall be provided with moisture removal openings. Openings shall be provided for refrigerant lines and power connection entry.

Air Mover — Shall be direct drive blade type fan(s). Motor(s) shall have inherent protection devices and shall be protected from moisture. Motor(s) shall be hp with not more than watts input. Fan(s) shall be protected with steel guard(s).

Approvals — All wiring shall be in compliance with NEC. Shall be rated in accordance with ARI Standard 210-81 and 365-86. HS17-813V, HS17-953V and HS17-1353V models shall have U.L. listing. HS17-1853V and HS17-2753V models shall have ETL Testing Laboratories listing.

Equipment Warranty — The compressor shall have a limited warranty for five years. All other components shall have a limited warranty for one year. Refer to Lennox Equipment Warranty Certificate furnished with the unit for details.

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 9.

**HS17-953V WITH C17-95/135V EVAPORATOR UNIT
(Low Speed Compressor Operation)**

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		65			75			85			95		
		Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)

**HS17-953V WITH C17-95/135V EVAPORATOR UNIT
(Single Speed and High Speed Compressor Operation)**

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)

**HS17-953V WITH CB17-95V OR CBH17-95V EVAPORATOR UNIT
(Low Speed Compressor Operation)**

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		65			75			85			95		
		Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)

**HS17-953V WITH CB17-95V OR CBH17-95V EVAPORATOR UNIT
(Single Speed and High Speed Compressor Operation)**

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)

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 9.

HS17-2753V WITH CB17-275V OR CBH17-275V EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		65					75					85					95				
		Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
		76	80	84			76	80	84			76	80	84			76	80	84		
63	7000	174,500	8830	.92	1.00	1.00	168,300	9740	.94	1.00	1.00	161,900	10,680	.97	1.00	1.00	155,400	11,580	.99	1.00	1.00
	8500	181,300	8990	1.00	1.00	1.00	174,800	9910	1.00	1.00	1.00	168,100	10,850	1.00	1.00	1.00	161,200	11,760	1.00	1.00	1.00
	10,000	186,900	9110	1.00	1.00	1.00	180,000	10,040	1.00	1.00	1.00	173,000	10,980	1.00	1.00	1.00	165,800	11,890	1.00	1.00	1.00
67	7000	180,700	8970	.70	.86	1.00	173,200	9870	.71	.88	1.00	165,900	10,790	.73	.90	1.00	158,200	11,670	.75	.93	1.00
	8500	184,100	9050	.76	.94	1.00	176,700	9960	.77	.96	1.00	169,300	10,870	.79	.99	1.00	161,400	11,760	.81	1.00	1.00
	10,000	187,100	9120	.81	1.00	1.00	180,200	10,050	.83	1.00	1.00	173,300	10,990	.85	1.00	1.00	166,100	11,900	.88	1.00	1.00
71	7000	191,200	9210	.50	.65	.80	183,400	10,120	.51	.67	.82	175,600	11,050	.52	.68	.84	167,500	11,940	.52	.70	.87
	8500	193,900	9270	.53	.70	.88	185,900	10,180	.54	.72	.90	177,900	11,110	.55	.74	.93	169,800	12,010	.56	.76	.96
	10,000	196,000	9310	.56	.76	.96	188,000	10,230	.57	.78	.98	179,900	11,160	.58	.80	1.00	171,700	12,060	.59	.82	1.00

HS17-2753V WITH CB17-275V OR CBH17-275V EVAPORATOR UNIT (High Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
		76	80	84			76	80	84			76	80	84			76	80	84		
63	7000	245,700	21,870	.77	.88	.99	234,100	23,410	.78	.90	1.00	222,300	24,830	.80	.93	1.00	210,700	26,110	.82	.96	1.00
	8500	253,700	22,270	.82	.95	1.00	242,000	23,800	.84	.97	1.00	229,000	25,220	.86	1.00	1.00	218,600	26,590	.89	1.00	1.00
	10,000	260,300	22,600	.87	1.00	1.00	249,600	24,230	.89	1.00	1.00	238,500	25,760	.92	1.00	1.00	227,600	27,120	.95	1.00	1.00
67	7000	262,500	22,690	.60	.71	.82	249,900	24,240	.61	.73	.84	237,200	25,680	.62	.74	.86	224,800	26,950	.64	.76	.89
	8500	269,100	23,010	.63	.76	.88	256,300	24,560	.65	.78	.91	243,100	26,010	.66	.80	.94	230,200	27,270	.68	.82	.97
	10,000	274,600	23,260	.67	.81	.95	261,300	24,820	.68	.83	.98	248,000	26,260	.70	.86	1.00	234,700	27,540	.72	.88	1.00
71	7000	280,500	23,540	.45	.56	.66	267,500	25,120	.46	.57	.67	254,300	26,590	.46	.58	.69	240,900	27,890	.47	.59	.71
	8500	287,000	23,840	.47	.59	.71	273,500	25,420	.47	.60	.72	259,800	26,880	.48	.61	.74	245,900	28,170	.49	.63	.77
	10,000	292,000	24,060	.48	.62	.75	278,100	25,640	.49	.63	.77	264,000	27,100	.50	.65	.80	249,800	28,380	.51	.67	.82