# SINGLE PACKAGE HEAT PUMPS CHP6-953 AND CHP6-1353

# **PACKAGED**

Page 21 May 1, 1963

# **OUTDOOR COIL**

Lennox designed and fabricated. Almost two square feet of face area per ton of rated capacity. Circuited to give up to 20F sub-cooling. A rugged outdoor coil guard is furnished.

### TWIN POWER PROPS ®

Belt driven accurately spaced dual fans pull large air volumes uniformly through the entire outdoor coil resulting in high refrigerant cooling capacity. Lennox designed and built. To gauge zinc-phosphate treated cold rolled steel.

## LIQUID LINE VALVE

Permits "pump down" of refrigerant into outdoor section if servicing is required.

### REVERSING VALVE

Specially designed with threaded and flanged connections, for easy replacement.

#### EXPANSION VALVE

Factory installed. Selective valve charge permits closer control of system. Field serviceable.

#### INDOOR COIL

Lennox designed and fabricated. Four rows almost one square ft of net face area per ton of rated capacity.

# CONDENSATE DRAIN PAN

16 gauge steel corrosion resistant. 11/2 inches deep with 3/4 inch female threaded drain connection.

# REFRIGERANT TEST VALVES

Permits quick and accurate check of liquid refrigerant level.

# OIL RECTIFIER

Prevents liquid slugging caused by cold start-ups.

#### DISTRIBUTOR

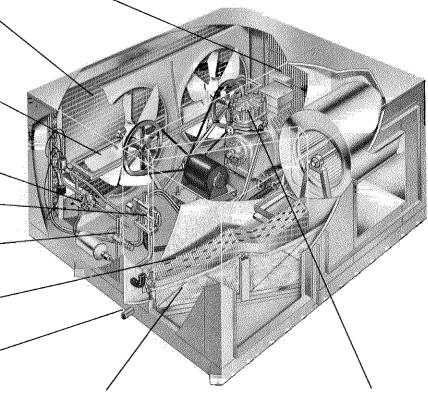
Feeds each coil circuit uniformly for maximum performance.

# THERMOSTAT FURNISHED

4 bulb Heating-Cooling. Separate bulbs control cooling cycle, first stage heating, second stage heating and reversing valve operation. A deluxe wall mounted model.

Shuts off compressor in event of abnormal operating conditions.

**DUAL PRESSURE SWITCH** 



### WASHABLE FILTERS

Washable Hi-Velocity aluminum frame type, I inch thick are standard. Filter rack can be adjusted for 2 inch thick filters if desired. Have large dirt holding capacity and are easily accessible for servicing.

### THERMAL INSULATION

Indoor section completely lined with I inch thick 11/2 lb density fiberglass insulation.

# **ACCESSIBLE CONTROL BOX**

Large size and conveniently located for easy service access. All internal wiring from control box to component parts are enclosed in flexible conduit.

#### SEMI-HERMETIC COMPRESSOR

Resiliently mounted. Suction cooled. Service valves with gauge ports. Ambient compensated overload protection. Available in 208/220 or 440 volt models. Oil level sight glass. Five year warranty

#### HOISTING LUGS

Lugs project from 14 gauge steel base.

# HI CAPACITY DRIER

Furnished as standard. Factory installed.

## SUCTION SERVICE VALVE

Standard equipment. Easy system service.

#### DISCHARGE SERVICE VALVE

Standard equipment for easy servicing.

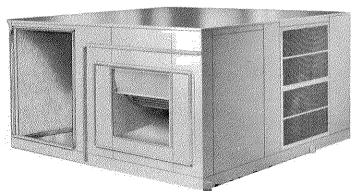
# **MAJOR FEATURES**

Lennox rooftop single package heat pumps and accessories are designed for versatility of application, simplicity of installation, and heavy duty service. They can be installed individually for straight heating-cooling applications or with accessories giving a choice of many heating-cooling and ventilating applications. They are designed for use with ducts. See sketches on page 25.

The Indoor Coil air openings (supply and return) are conveniently located side by side in one end of the cabinet. See air pattern drawings on page 22. This arrangement simplifies installation of down stream supplemental electric heaters, mixing dampers and combination supply-return ceiling grilles.

Outdoor air is pulled through the coil by twin belt driven Lennox Power Props. It is exhausted through louvered panels on each side of the unit. See air pattern drawings. Top outdoor air exhaust is possible simply by interchanging the solid top panels with the louvered side panels. Outdoor coil end of cabinet is raised and holes are provided under the coil for defrost drainage.

Equipment is shipped completely assembled, plumbed, pre-wired and precharged ready to install. In addition each unit is test operated at the factory before shipment. Ratings shown in table are from Lennox Calorimeter room testing procedures according to ARI standard 240-61. U. L. listed and C.S.A. approved.



# WEATHERPROOF FINISH

All exterior panels are 20 gauge hot dipped galvanized finished with baked acrylic enamel. Five-stage metal preparation assures perfect bonding of the outdoor enamel.

# INDOOR COIL BLOWER

Lennox designed and built. All moving parts vibration isolated from blower housing. Belt drive. Low power consumption. Delivers large air volumes, see blower charts.

# MILD WEATHER CONTROL

Optional equipment and must be ordered extra. Allows operation of equipment during mild weather when heating cycle is required. Ordering Number M-2374.

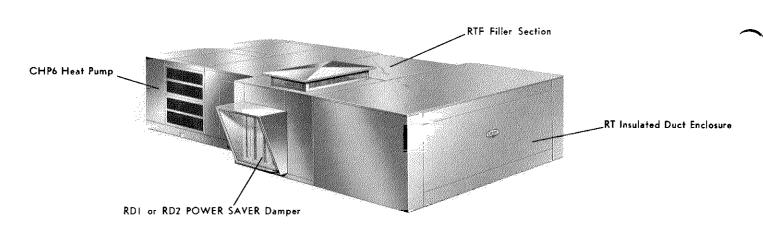
# **DEFROST CONTROL**

A clock timer defrost control is standard equipment. It gives a defrost cycle (if needed) for every 90 minutes of compressor "on" time. A thermostat mounted on the outdoor coil terminates a defrost cycle.

#### **OUTDOOR THERMOSTAT**

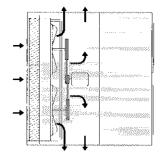
Optional equipment and must be ordered extra. Provisions for mounting provided in outdoor section. Keeps heating load on heat pump as long as possible before allowing auxiliary heat to operate.

# COMBINATION UNITS

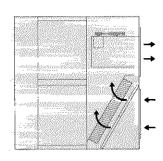


See plan views of other combinations on page 25.

# AIR PATTERN



Outdoor coil air pattern—side outlets Top outlet also available (top view)



Indoor coil air pattern—end inlet (top view)

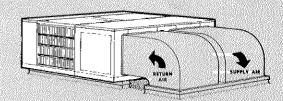
# SPECIFICATIONS

# APPLICATIONS

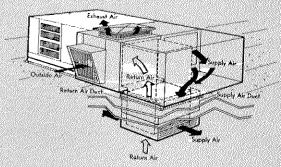
		T =	T =
	Model No.	CHP6-953	CHP6-1353
	city Btuh @ ARI standard conditions	92,000	128,000
	city Btuh @ ARI standard conditions	87,000	119,000
Compressor watts	@ ARI standard conditions (cooling)	8720	12,230
Compressor watts	ARI standard conditions (heating)	7320	9500
Dehumidifying cap	pacity % of total cooling capacity	30	30
Refrigerant type		R-22	R-22
	Net face area (sq ft)	12.3	17.5
Outdoor	Tube diameter (in.)	1/2	1/2
Coil	Number rows of tubes	4	4
	Fins per inch	10	10
	Diameter (in.) and No. of blades	(2) 24—6	(2) 28—6
0.11 0.1	Air volume (factory setting)	6200	8800
Outdoor Coil Fan	Rpm (factory setting)	800	800
1 511	Motor horsepower	J	11/2
	Motor watts (factory setting)	1150	1800
	Net face area (sq ft)	7.1	9.9
	Tube diameter (in.)	1/2	1/2
Indoor	Number rows of tubes	4	4
Coil	Fins per inch	10	10
	*No. & size of filters	(4) 16×20×1	(2) 16×20×1 & (2) 20×20×1
	Wheel nominal diameter x width (in.)	15 x 15	18 x 18
	Nominal air volume (cfm)	3450	4800
	Motor horsepower	1	11/2
Indoor Coil	Motor watts (free air)	900	1800
Blower	Rpm range with drives furnished	535-725	535-725
	Motor pulley (bore x diam) (in.)	5/8 x 41/8	5/8 x 41/8
	Pulley (bore x diam) (in.)	l" x 181∕₄	1" x 181/4
	Belt length inches	76	82
Condensate drain	are en una constante en escontino escapa do occasionamente en escolar en escapa de encolar en escolar en escol	3/4	3/4
Number of packag	\$1.0.000 PERSON PROPERTY OF THE PROPERTY OF TH	ı	1
Approximate Unit	Shipping weight	1250	1750
Weight (lbs)	Net weight (without crate)	1070	1500

NOTE—Ratings are at 450 cfm indoor coil air per Ion of cooling capacity. ARI Standard 240-61 conditions for cooling rating are: 95F outdoor coil air entering temperature, 80° db and 67° wb indoor coil air entering temperature—Heating rating: 45° db and 43° wb outdoor air temperature and 70F Indoor coil entering air temperature.

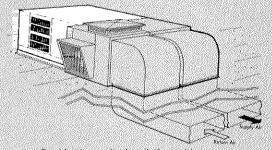
"Washable hi-velocity aluminum type:



Single package rooftop installation.



Combination unit installation with combination supply and return air grille distribution system. Connecting duct work required.



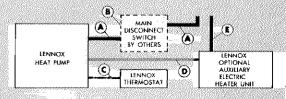
Combination unit installation with extended duct work distribution system.

# ELECTRICAL DATA

Model No.		CHP	-953	CHP6	1353
Line voltage data		208/220 volts 60 cy 3 ph.		208/220 volts 60 cy 3 ph.	440 volts 60 cy 3 ph
	*Running amps	28.10	4.1	37.3	17.7
Compressor	Power factor	.82	.82	.82	.82
	Locked rotor amps	145.0	72.5	197.0	98.5
Outdoor Coil	Running amps	3.0	1.5	4.0	2.0
Fan	Locked rotor amps	20.0	10.0	32.0	16.0
Indoor Coil	Running amps	3.0	1.5	4.0	2.0
Blower	Locked rotor amps	20.0	10.0	32.0	16.0
Maximum unit am	ps	37.2	6.81	55.5	27.5
AWG Wire	10'	6	10	4	8
Size For Various	50'	6	10	4	8
Lengths Of	100,	6	10	4	8
Run	220'	4	8	3	6
Discount size	***************************************	60	30	001	60
Fusetron size		60	30	70	40

<sup>\*</sup>Running amps are at ARI standard conditions for cooling cycle.

# FIELD WIRING



- A—Three wire Power Supply (see Electrical Data for size)
- B—Main Disconnect Switch (not furnished)
  (see Electrical Data for size)
- C-TFive wire low voltage
- D-+Two wire low voltage
- E-Three wire Power Supply
  - (see Electrical Data on ED Engineering Data sheet).

All wiring must conform to NEC.

†May be class II wiring if local codes permit.

NOTE: Additional wiring required when using Power Saver mixing dampers. See Engineering Data Sheet on Power Saver Control Systems.

# CHP6-953 SINGLE PACKAGE HEAT PUMP COOLING CAPACITY

Indoor 80F Dr		**************************************		***************************************	Ai	r Tempero	ture Ente	ring Outdoo	or Coil (F)					
			85			95	***************************************	<u> </u>	105		115			
Entering Wet Bulb (F)		Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	
	3125	93,000	.770	7710	89,000	.799	8430	84,900	.827	9110	81,000	.870	9,750	
64	3525	96,800	.800	7885	92,500	.849	8630	88,000	.888	9300	83,950	.919	9,960	
	3925	100,400	.865	8050	96,000	.904	8800	91,200	.939	9490	86,900	1.000	10,190	
	3125	96,800	.652	7880	92,450	.670	8630	88,200	.688	9305	84,150	.712	9,995	
67	3525	100,600	.671	8055	96.200	.700	8800	91,750	.724	9500	87,250	.750	10,230	
	3925	104,350	.710	8230	99,800	.738	8970	94,900	.760	9700	90,300	.800	10,460	
	3125	100,300	.551	8045	96,100	.567	8800	91,900	.580	9500	87,650	.592	10,250	
70	3525	104,500	.568	8230	100,000	.585	8985	95,200	.600	9720	90,900	.615	10,500	
	3925	108,300	.591	8410	103,800	.608	9150	98,600	.621	9950	94,000	.641	10,720	

NOTE—All values are gross capacities and do not include indoor blower motor heat. This loss must be deducted to arrive at the net capacity of a complete system.

# CHP6-953 SINGLE PACKAGE HEAT PUMP HEATING CAPACITY

, , , , , , , , , , , , , , , , , , , ,		Air Temperature Entering Outdoor Coil (F)													
Indoor Coil		65			45			25	***************************************		5				
Air Volume (cfm) 70F db	Total Heating Capacity	Comp. Motor Watts	C.O.P. Output	Total Heating Capacity	Comp. Motor Watts	C.O.P. Output	Total Heating Capacity	Comp. Motor Watts	C.O.P. Output	Total Heating Capacity	Comp. Motor Watts	C.O.P. Output			
	(Btuh)	Input	Input	(Btuh)	Input	Input	(Btuh)	Input	Input	(Btuh)	Input	Input			
3125	116,250	9530	2.90	86,600	7420	2.63	57,100	5940	2.05	29,450	4935	1.21			
3525	117,200	9350	2.97	87,250	7290	2.69	57,650	5865	2.09	29,750	4890	1.22			
3925	118,150	9180	3.04	88,000	7150	2.75	58,100	5810	2.12	30,000	4850	1.24			

NOTE—All values are gross capacities and do not include indoor blower motor heat. This loss must be deducted to arrive at the net capacity of a complete system.

# CHP6-1353 SINGLE PACKAGE HEAT PUMP COOLING CAPACITY

Indoor 80F Dr			Air Temperature Entering Outdoor Coil (F)												
	7-1-1	85			MARTINIA / A 0-0000 NG 4 NG GAS A 4 A 14 NG GA 4 A 14 NG G	95	***************************************	105				115			
Entering Wet Bulb (F)	Total Air Volume (cfm)	Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	Tatal Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input	Total Cooling Capacity (Btuh)	Sensible To Total Ratio (S/T)	Comp. Motor Watts Input		
	4325	128,800	.774	10,880	123,600	.800	11,620	119,200	.821	12,330	114,900	.852	13,040		
64	4875	133,600	.811	11,120	128,150	.845	11,940	123,500	.870	12,650	119,000	.907	13,300		
**************************************	5425	138,400	.865	11,425	132,700	.896	12,250	128,000	.929	12,995	123,000	.960	13,680		
	4325	133,500	.655	11,115	128,350	.671	11,950	123,900	.685	12,660	119,400	.703	13,340		
67	4875	138,750	.680	11,430	133,100	.699	12,280	128,450	.714	13,010	123,700	.738	13,720		
	5425	143,500	.710	11,760	137,900	.732	12,600	133,000	.751	13,310	127,950	.778	14,060		
	4325	138,500	.556	11,425	133,000	.568	12,270	128,450	.579	13,010	124,000	.589	13,750		
70	4875	143,900	.573	11,765	138,100	.584	12,610	133,350	.593	13,350	128,350	.605	14,100		
	5425	148,750	.590	12,080	142,950	.603	12,990	138,000	.618	13,710	132,800	.631	14,480		

NOTE—All values are gross capacities and do not include indoor blower motor heat. This loss must be deducted to arrive at the net capacity of a complete system.

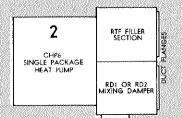
# CHP6-1353 SINGLE PACKAGE HEAT PUMP HEATING CAPACITY

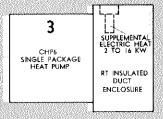
				Į.	lîr Tempe	rature Ente	ring Outdoo	or Coil (F	)					
ndoor Coil		65		45						5				
Air Volume (cfm) 70F db	Total Heating Capacity	Comp. Motor Watts	C.O.P. Output											
	(Btuh)	Input	Input											
4325	159,000	12,750	2.91	118,300	9720	2.67	80,600	7200	2.26	46,900	4980	1.67		
4875	160,500	12,450	3.00	119,400	9450	2.75	81,200	7100	2.30	47,200	4940	1.69		
5425	162,000	12,220	3.07	120,000	9240	2.81	81,800	7000	2.34	47,600	4900	1.71		

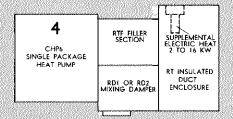
NOTE—All values are gross capacities and do not include indoor blower motor heat. This loss must be deducted to arrive at the net capacity of a complete system.



Determine total duct resistance and rater to blower per-formance charts and determine Bhp and Rpm requirements.







# **BLOWER DATA**

#### Chart No. 2

Model	Air Volume	External Static Pressure (in w.g.) At Various Discharge Grille Arrangements							
No.	(cfm)	2 Sides Open	3 Sides Open	4 Sides Open					
	2700	.280	.265	,255					
CHP6-953	3100	.385	.363	.350					
	3500	.490	.460	.445					
**************************************	3800	.330	.311	.300					
CHP6-1353	4350	.452	.427	.412					
	4900	.578	.545	.525					

Using resistance shown above refer to blower performance charts and determine Bhp and Rpm requirements.

NOTE—Shaded area denotes performance with standard motor and drives.

Chart No. 3

Chart No. 4

Model No.	Air Yolume (cfm)	Pressure Drop Through Acces- sories (in w.g.)
	2700	.067
 CHP6-953	3100	.075
	3500	.085
	3800	.073
 CHP6-1353	4350	.082
	4900	.092

Model	Air Volume	(in w.g.) .	al Etatic Pr At Various e Arrangen	Discharge
No.	(cfm)	2 Sides Open	3 Sides Open	4 Sides Open
	2700	.355	.344	.322
CHP6-953	3100	.467	.440	.425
	3500	.585	.450	.530
	3800	.410	.386	.373
CHP6-1353	4350	.544	.512	.494
	4900	.677	.640	.618

Add resistance shown above to duct resistand and determine Bhp and Rpm requirements.

NOTE—Shaded area denotes performance with standard and determine Bhp and Rpm requirements, motor and drives.

CHPA-953 RIOWER DESCRIPTION OF THE PROPERTY OF THE PROPERT

# CHP6-953 BLOWER PERFORMANCE

Air		ST	ATIC PRES	SURE EXTER	NAL TO UN	IIT—Inches	Water Gau	ıge			
Volume	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.0	
Cfm	RPM BHP	RPM BHP	RPM BHP	RPM .BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	
2600	480 .42	525 .52	560 .60	605 .70	640 .78	675 .88	710 .98	748 1.06	775 1.15	806 1.26	
2800	508 .52	552 .62	595 .70	630 .B2	660 .90	698 .99	735 1.10	762 1.25	790 1.38	825 I.40	
3000	540 .62	580 ,70	620 .80	650 .92	690 1.05	722 1.15	752 1.25	780 1.32	810 1.42	840 1.55	
3200	570 .78	610 .88	644 .94	675 1.08	710 1.15	744 1.25	770 1.36	800 I.45	830 1.58	#1	
3400	600 .90	640 1,00	672  .10	705 1.20	740 1.32	765 1.42	795 1.52				
3600	635 1.05	660 1.12	698 1.25	730 1.35	758 1.50	790 1.60					
3800	658 1,24	694 1.30	725 1.45	758 1.58	***************************************					***************************************	
4000	690 1.40	725 I.52	***************************************	***************************************						***************************************	

NOTE: All cfm data is measured external to the unit using standard return air opening and with the air filter in place. Tested by A.M.C.A. code

# CHPA-1353 BLOWED BEDECOMANCE

Air				ST	ATIC	PRES:	SURE	EXTER	NAL '	10 UN	IIT—I	nches	Wate	r Gau	ige				***************************************	
Volume	.1	0	.2	<b>:</b> O	.3	0	.4	10		50		50	.7	0	3.	80	.9	70	7.0	
(Cfm)	RPM	BHP	RPM	BHP	RPM	BHP	RPM	ВНР	RPM	BHP	RPM	BHP	RPM	ВНР	RPM	BHP	RPM	ВНР	RPM	BHI
3400	380	.480	425	.56	458	.62	490	.73	525	.83	555	.95	589	1.05	620	1.16	650	1.38		
3600	400	.56	440	.65	570	.75	505	.82	535	.90	565	1.08	595	1.15	625	1.25	<b>658</b>	1.50	680	1,60
3800	420	.65	455	.78	490	.82	520	.91	550	1.02	575	1.12	605	1,26	640	1.40	665	1.58	695	1.72
4000	442	.72	475	.82	502	.91	530	1.04	560	1.15	585	1.25	615	1.38	648	1,52	675	1.66	700	1.80
4200	455	.82	485	.90	524	1.04	548	1.12	575	1.25	590	1,35	630	1.55	660	1.70	680	1.80	710	1.92
4400	478	.92	508	1.05	538	1.10	562	1.26	590	1,38	620	1.55	645	1.65	670	1.80	692	1.90	720	2.10
4600	495	1.02	525	1.15	552	1.30	580	1.40	608	1.58	630	1.70	658	1.84	675	1.90	705	2.10	.,	
4800	515	1.18	535	1.26	570	1,45	600	1.60	625	1.74	648	1.85	670	1.96	688	2.05			2	
5000	530	1,30	560	1.45	590	1.62	615	1.75	640	1.88	660	2.04		******		**********	***********			
5200	550	1.52	578	1.62	605	1.78	630	1.90	655	2.10				**********		***********			***************************************	
5400	570	1.70	600	1.80	610	1.90	645	2.10						***********		***********	,		,	
5600	592	1.88	620	2.00								************	440000	PICONICA		*****		*******	***************************************	

NOTE: All cfm data is measured external to the unit using standard return air opening and with the air filter in place. Tested by A.M.C.A. code.

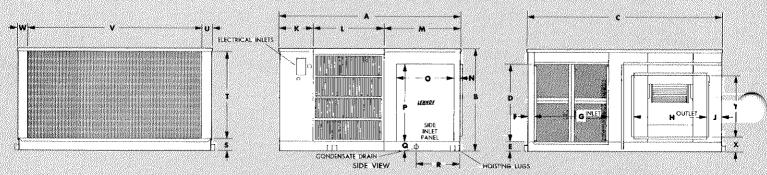
# DRIVE SELECTION

# DRIVE SELECTION

Model No.	Nominal Motor Hp	*Maximum Usable Hp	Blower Pulley O. D. (in.)	Adjustable Motor Pulley O. D. (in.)	Rpm Range at 3450 rpm Motor Speed
CHP6-953	ı	1.25	18.25	41/8	535-725
CHF6-733	11/2	1.72	18.25	43/4	650-840
CHP6-1353	11/2	1.72	18.25	41/8	535-725
CHF0-1353	2	2.30	18.25	41/8	535-725

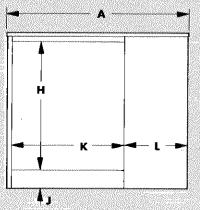
# DIMENSIONS (in.)

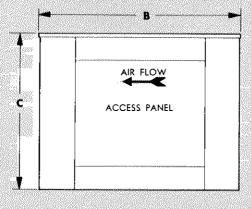
# CHP6-953 AND CHP6-1353

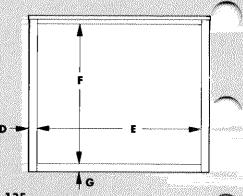


	Mode	l No.	A	В	С	D	E	F	G	н	J	K	L	М	N	0	P	Q	R	S	T	U	V	W	X	Y
ı	СНР6-	953	63 5/g	34	70	2715/16	4	2	24	351/4	31/8	111/8	23¾	291/8	41/2	165/16	2713/14	4	263/8	4	281/2	5%16	58 ½	5%16	61/B	23
Ŀ	CHP6	-1353	72 1/8	40	78	3315/16	4	13/8	30	351/4	31/8	12	263/8	341/4	41/2	211/8	3315/16	4	311/2	4	341/2	45/16	71 <sup>7</sup> /8	113/16	61/8	23

# RTF-95 and RTF-135 FILLER SECTION Use When POWER SAVER Mixing Damper is Used.







# Approximate Shipping Weight (lbs.)—RTF-135—145 RTF-95-135

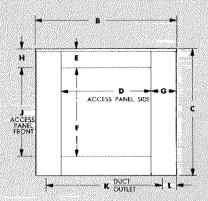
Model No.	A	В	C	D	E	F	G	Н	J	K	L
RTF-95	39	431/8	34	13/4	35 <sup>1</sup> / <sub>2</sub>	301/2	13/4	28 <sup>1</sup> / <sub>8</sub>	4	243/8	135/8
RTF-135	45	431/8	40	53/4	375/8	361/2	13/4	341/8	4	301/4	115/8

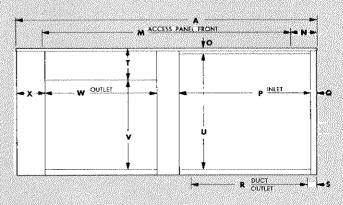
Shaded area denotes blower drives furnished as standard.

\*This is maximum usable hp of motors furnished by Lennox. If other motors of comparable hp are used be sure to keep within the service factor limitations outlined on the motor nameplate.

# DIMENSIONS (in.)

# RT-95 AND RT-135 INSULATED DUCT ENCLOSURE





Model No.	A	В	C	D	E	F	G	Н	J	K	L	М	N	0	P	Q	R	S	T	U	Y	W	X
RT-95	87%	441/8	34	28	5	24	8	5	24 •	361/2	41/2	717/16	8	17/8	35 1/4	17/8	361/2	3	4	301/4		351/2	1 0
RT-135	947/16	521/8	40	36	6	28	8	6	28	441/2	41/2	785/16	8	1 7/a	41	1 7/8	441/2	3	10			351/2	7

Approximate Shipping Weight (lbs.)—RT-135—210

# **ACCESSORIES**

# Power Saver MIXING DAMPERS

Model No.	RD1-95	RD2-95	RD1-135	RD2-135
Maximum air volume (cfm)	4000	4000	5600	5600
No. of packages in shipment	I	*2	<u> </u>	*2
Approx. shipping weight (lbs)	200	200	275	275
Damper motor used	White 3P-23	MH-M905E	White 3P-23	MH-M905E

<sup>\*</sup>Mixed air temperature controller shipped with RD2 series dampers.

#### DAMPER MOTOR SPECIFICATIONS

# White 3P-23 Motor

Positioning—Closed (or 0°) in any quadrant, Intermediate 0-90° adjustable. Full Open—180° from Closed.

Timing—40 seconds per one-half cycle.

Stroke—Adjustable 1" + 5"

Load—20 inch pounds recommended maximum.

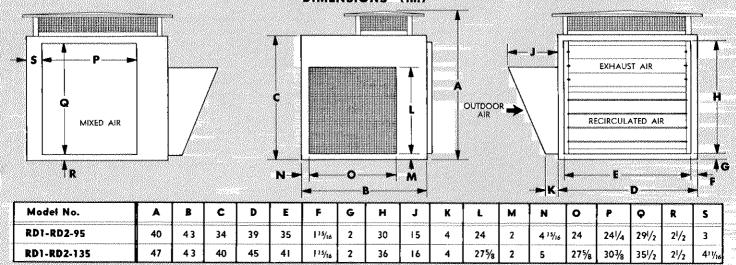
Rated voltage—24v at 20 Watts, 60 cycles.

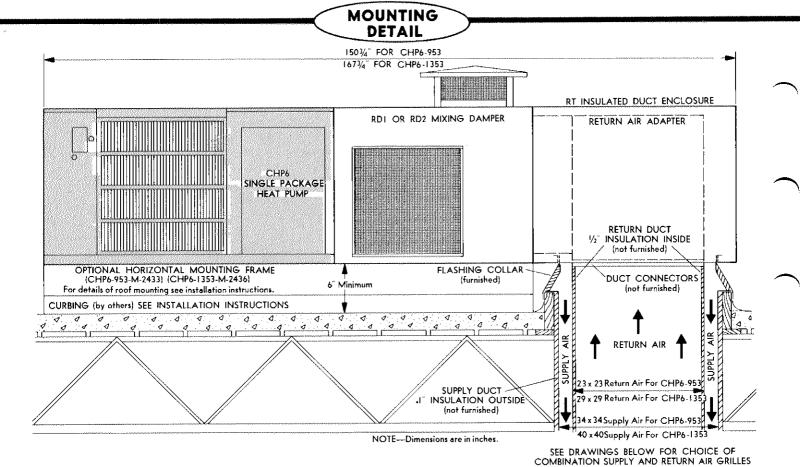
# MH-M905E Motor

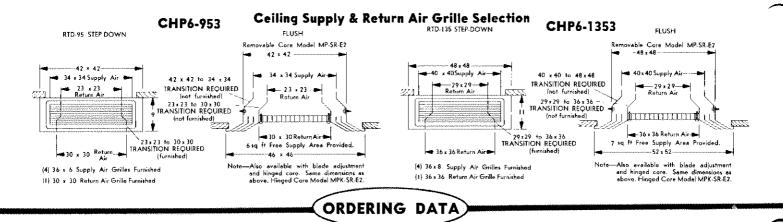
Crank arm—Adjustable radius

Maximum load—17/4 lb at shortest radius, 10 lb at longest radius. Timing—60 seconds per cycle. Angular stroke—160 degrees Linear stroke—Short radius 3 inches. Long radius 51/4 inches. Rated voltage—24v at 22 watts driving; 8.5 watts holding, 60 cycles.

# DIMENSIONS (in.)







	(Check All Items Required)	
Single Package Heat Pumps:	POWER SAVER Dampers	Ceiling Supply & Return Grilles:
☐ CHP6-953 ☐ CHP6-1353	☐ RD1-95 ☐ RD2-95	<ul> <li>RTD step-down</li> <li>Flush mounted (Removable core model MP-SR-E2)</li> </ul>
Electrical Characteristics:	☐ RD1-135 ☐ RD2-135	Flush mounted (Hinged core model)
208/3/60 220/3/60	POWER SAVER Controls	Mild Weather Control
440/3/60 *Insulated Duct Enclosure:	☐ Three way ☐ Five way	☐ Ordering No. M-2374
☐ RT-95	Filler Section:	Horizontal Support Frame
☐ RT-135 *Includes flashing collar.	☐ RTF-95 ☐ RTF-135	<ul> <li>CHP6-953 Ordering No. M-2433</li> <li>CHP6-1353 Ordering No. M-2436</li> </ul>

# **LENNOX** Industries Inc.