

Electrol Incorporated

FINE OIL HEATING EQUIPMENT EXCLUSIVELY SINCE 1918

934 Main Avenue, Clifton, N. J.

Conversion Burners, Boiler-Burner Units, Air Conditioning Units

ELECTROL SUMMER AND WINTER AIR-CONDITIONING SYSTEMS

Winter Air-Conditioning



Direct-Fired Air-Conditioning Unit. Series DF. Designed for new homes or homes being remodeled. Fired by famous **Electrol Oil Burner**. Heats air and automatically maintains temperature for which it is set. Cleans the air by means of efficient renewable type filters. Positively circulates the air with a motor-operated, extremely quiet blower of ample capacity. Blower available in summer for circulation of filtered air. Humidification either pan type or spray type, with automatic control of room humidity. Guaranteed 80 per cent efficient when operated at rated capacities. Enclosed in attractive jacket.

Direct-Fired Air-Conditioning Unit. Series DF

Capacities

Model	Btu per hour at Bonnet Max.	Btu per hour at Grilles Max.	Air Temp. at Bonnet	Oil Rate Lb. 1 Hour	Heating Surface			Air Capacity			
					Primary	Secondary	Total	CFM at 70 F	SP	Fan Speed	Motor Hp
DF0	100,000	85,000	145-165	7.45	30	24	54	1000	1/4	555	1/6
DF1	135,000	115,000	145-165	8.65	50	36	86	1450	1/4	603	1/4
DF2	160,000	136,000	145-165	9.70	50	36	86	1650	1/4	500	1/3
DF3	185,000	157,000	145-165	11.90	50	36	86	1850	1/4	513	1/2
DF4	235,000	200,000	145-165	14.40	76	36	112	2450	1/4	428	3/4

*Economy model. Furnished without burner enclosure, galvanized finish on jacket. Guaranteed 75% efficient when operated at rated capacity.

Dimensions

Model	Height	Length	Width	Outlet Width	Outlet Length	Inlet Width	Inlet Length	Approximate Shipping Weight
DF0	48	71	30	21	26	20	22	850
DF1	56 1/2	92 1/2	33 1/2	24	30	24	24	1160
DF2	56 1/2	92 1/2	33 1/2	24	30	24	24	1200
DF3	56 1/2	92 1/2	33 1/2	24	30	24	24	1200
DF4	60 1/2	96 1/2	35 1/2	24	32	24	28	1550

Height of outlet and inlet collars for Duct Connection 1 1/4 in.

Gravity Conversion Unit. Series FC. Designed for existing homes. Transforms an old warm air heating plant into a modern winter air-conditioning system. Blower circulates air through efficient renewable filters which remove dust and impurities. Humidification assembly, spray type, located in jacket of furnace, adds proper amount of moisture, regulated automatically by humidistat in living quarters. Blower unit available in summer for circulation of filtered air throughout living quarters.

WINTER AND SUMMER AIR-CONDITIONING

Split-System Air Conditioning Unit. Series SS. Electrol SS units provide for all phases of air conditioning. The unit can be installed to provide winter air conditioning, and later cooling and dehumidification may be added to the same unit without the necessity of changing the cabinet.

Both floor-mounted and ceiling-suspended models are available; four sizes of the former, three of the latter, with capacities as shown in the table below.

Any Electrol fired boiler with sufficient capacity and of proper design may be used in conjunction with the **Electrol Split-System Unit**.

Specially designed heating and cooling

coils are used to provide rapid heat exchange possible, thus ensuring economical operation.

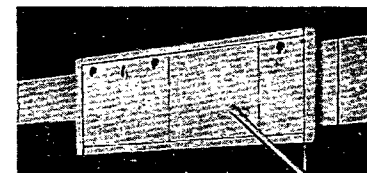
Spray type humidification, automatically controlled by a humidistat located in the living quarters, assures that the proper degree of humidity is maintained at all times.

Compact, easily replaceable filters are provided, with ample surface area to remove up to 90 per cent of the airborne dirt, dust and pollen.

Completely automatic control, governed by thermostats located in the living quarters is a feature of the SS Unit.

The **Electrol Split-System** permits the use of radiators in rooms such as bathroom and kitchen where air conditioning is not required.

S. S. 10 to 15 Suspended type.



SS—Suspended Type



SS—Floor Type

Split-System Air Conditioning Unit—Series SS Capacities

Model	Heating Capacity Btu per hour		Air Capacity				Cooling Capacity Btu per hour	
	Hot Water at 180	Steam 2 Lb Press.	CFM	WCS	Fan Speed	Motor Hp	Cold Water at 50 F	Dir. Expansion (Freon) at 40 F
SS1	93,000	91,800	1120	1/4"	640	1/4	30,000	35,000
SS2	170,000	171,600	2000	3/8"	558	1/3	50,000	62,000
SS3	233,000	246,800	2700	1/2"	656	1/2	75,000	92,000
SS4	304,000	317,900	3600	1/2"	630	3/4	90,000	119,000
SS10	46,000	46,000	500	1/8"	555	1/6	14,000	21,000
SS13	66,000	66,400	750	1/8"	600	1/6	26,000	31,000
SS15	90,000	90,000	1000	1/4"	555	1/4	35,000	42,000

Split-System Units should be selected on CFM capacity. E.D.R. is listed for estimating boiler load only.

Heating capacities shown are for four-row coils on hot water and two-row coils on steam, and are based on entering air at 60 deg.

Cooling capacities shown are for four-row coils, three-row coils marked*, and six-row coils marked**.

Units are equipped with variable speed motor pulleys. Listed air capacities are maximum and are based on listed fan speeds with air at 60 deg.

SUMMER AIR-CONDITIONING

Room Cooling Unit. Series RC. Designed for single rooms in residences, offices, stores, etc., where summer air conditioning only is desired. Circulates cooled, dehumidified, filtered air throughout conditioned space. Direct expansion type coil with air cooled condenser.

(See also Page 967)