

**Electrol Incorporated**

FINE OIL HEATING EQUIPMENT EXCLUSIVELY SINCE 1918

934 Main Avenue, Clifton, N. J.

Conversion Burners, Boiler-Burner Units, Air Conditioning Units

**ELECTROL Air Conditioning Units**

**F. C. Series, Blower Units\***—Attached to an existing warm air furnace. Contains circulating fan and filters. Sturdy in construction, simple and economical in operation. Fan draws air through an efficient filter that removes all dust and impurities, circulates warm, clean and moist air evenly and without drafts throughout the house. Humidifier spray is located in jacket of furnace. Amount of moisture injected into air is controlled by Humitrol in living quarters. In Summer, Blower Unit can be used to circulate filtered air.

**Dimensions and Capacity Tables—  
Electrol Gravity Warm Air Conversion Units—Series F. C.**

| Model | Height  | Width   | Length  | Outlet Length | Outlet Width | Inlet Length | Inlet Width | Approximate Shipping Weight | Fan Speed |           |          | Furnace Data |                                  |               |
|-------|---------|---------|---------|---------------|--------------|--------------|-------------|-----------------------------|-----------|-----------|----------|--------------|----------------------------------|---------------|
|       |         |         |         |               |              |              |             |                             | CFM       | S.P. 1/4" | Motor Hp | Furnace Size | Gravity Pipe Area Rating Sq. In. | Btu per Hour  |
| FC 1  | 31 1/2" | 28"     | 34 1/2" | 14 1/2"       | 12"          | 24"          | 18"         | 170                         | 1000      | 555       | 1/6      | 22"-24"      | 450-550                          | 61000-75000   |
| FC 2  | 34 1/2" | 30 1/2" | 34 1/2" | 14 1/2"       | 13 3/8"      | 24"          | 18"         | 250                         | 1400      | 530       | 1/4      | 25"-23"      | 700-820                          | 95000-112000  |
| FC 3  | 37 1/2" | 33 1/2" | 40"     | 17 1/2"       | 15 3/8"      | 30"          | 18"         | 350                         | 2000      | 455       | 1/2      | 29"-30"      | 990-1150                         | 135000-157000 |
| FC 4  | 37 1/2" | 33 1/2" | 42 1/2" | 19 1/2"       | 18 3/8"      | 30"          | 24"         | 400                         | 2500      | 375       | 1/2      | 32"-34"      | 1270-1400                        | 172000-190000 |

**S-S Series, Split-System Air Conditioner\***—Used in conjunction with existing boiler. Consists of circulating fan, air filters, humidifier and heating coil. Radiators are removed from rooms to be conditioned and duct work is installed. The Unit circulates moist, warm and clean air efficiently. No danger of drafts. Blower unit can be used for ventilation in Summer.

**Capacity Table—Electrol Split System Air Conditioner Units—Series SS**

| Model | Heating Capacity Btu per Hour |                      | Air Capacity |      |           |            | Btu per Hour Cooling Capacity |
|-------|-------------------------------|----------------------|--------------|------|-----------|------------|-------------------------------|
|       | Hot Water 180°                | Steam 1 lb. Pressure | CFM          | WGS  | Fan Speed | Motor H.P. |                               |
| SS 1  | 86000                         | 87500                | 1120         | 3/8" | 716       | 1/4        | 22000<br>6GPM                 |
| SS 2  | 155000                        | 162000               | 2000         | 3/8" | 558       | 1/2        | 40500<br>12GPM                |
| SS 3  | 206000                        | 217000               | 2700         | 1/2" | 656       | 1/2        | 54400<br>10GPM                |
| SS 4  | 240000                        | 307000               | 3600         | 1/2" | 630       | 3/4        | 61400<br>12GPM                |

**Dimensions**

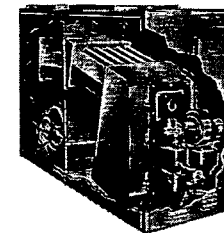
| Model | Height  | Width   | Length  | Outlet Length | Outlet Width | Inlet Length | Inlet Width | Approximate Shipping Weight |
|-------|---------|---------|---------|---------------|--------------|--------------|-------------|-----------------------------|
| SS 1  | 48 1/2" | 41 3/4" | 35 1/2" | 26            | 10 1/2"      | 26           | 12          | 600                         |
| SS 2  | 60 1/2" | 58 3/4" | 35 1/2" | 26            | 20           | 26           | 20          | 900                         |
| SS 3  | 60 1/2" | 56 3/8" | 51 1/2" | 40            | 20           | 40           | 20          | 1200                        |
| SS 4  | 60 1/2" | 63 3/8" | 59 3/4" | 60            | 21 3/4"      | 60           | 21 1/2"     | 1500                        |

Height of outlet and inlet collars for Duct Connections 1 1/2 in.

\*Provision made for addition of de-humidifying and cooling equipment.

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**D. F. Series, Direct Fired Furnace Conditioner\***—For new construction or homes that are being remodeled. Heats air and automatically maintains temperature for which it is set. Thoroughly cleanses the air by means of efficient renewable filters. Positively circulates the air by means of a motor operated blower of ample capacity. Humidifies by means of patented spray device. Fired by Electrol Oil Burner. Guaranteed 80 per cent efficient when operated at rated capacities. Low grille temperatures, low velocity air. Beautifully jacketed.

**Capacity Table—Electrol Warm Air Furnaces—Series D. F.**

| Model | Btu per Hour at Bonnet | Btu per Hour at Grilles | Air Temp. at Bonnet | Oil Rate Lbs. 1 Hr. | Heating Surface |           |       | Air Capacity |      |           |            |
|-------|------------------------|-------------------------|---------------------|---------------------|-----------------|-----------|-------|--------------|------|-----------|------------|
|       |                        |                         |                     |                     | Primary         | Secondary | Total | CFM at 70°   | S.P. | Fan Speed | Motor H.P. |
| DF 1  | 120,000                | 100,000                 | 145-165             | 8.65                | 24              | 54        | 78    | 1450         | 1/4" | 603       | 1/4        |
| DF 2  | 150,000                | 125,000                 | 145-165             | 9.70                | 24              | 57        | 81    | 1650         | 1/4" | 500       | 1/3        |
| DF 3  | 175,000                | 145,000                 | 145-165             | 11.90               | 24              | 61        | 85    | 1850         | 1/4" | 513       | 1/2        |
| DF 4  | 225,000                | 185,000                 | 145-165             | 14.40               | 26              | 86        | 112   | 2450         | 1/4" | 423       | 3/4        |

**Dimensions**

| Model | Height  | Length  | Width   | Outlet Width | Outlet Length | Inlet Width | Inlet Length | Approximate Shipping Weight |
|-------|---------|---------|---------|--------------|---------------|-------------|--------------|-----------------------------|
| DF 1  | 56 1/2" | 92 1/2" | 33 1/2" | 24           | 30            | 24          | 20           | 1400                        |
| DF 2  | 56 1/2" | 92 1/2" | 33 1/2" | 24           | 30            | 24          | 24           | 1600                        |
| DF 3  | 56 1/2" | 92 1/2" | 33 1/2" | 24           | 30            | 24          | 24           | 1800                        |
| DF 4  | 60 1/2" | 97 1/2" | 35 1/2" | 24           | 32            | 24          | 28           | 2000                        |

Height of outlet and inlet collars for Duct Connections 1 1/2 in.

**Series SSJ, Room Conditioner\***—Will circulate, filter and humidify the air in one or more rooms. Contains blower unit, spray type humidifier and extended surface heating coil. Takes the place of an existing radiator.

**RC Series, Room Cooling Unit**—For cases where Summer conditioning only is desired. Consists of water cooled unit for cooling and de-humidifying, filters and fan. Refrigerating mechanism and fan operate independently of each other.

**Electrol Unit Room Cooler—  
Series R. C.**

| Model       | Height | Length | Width | Compressor Speed | Btu Extn. Total Net | Motor, Hp | CFM     |
|-------------|--------|--------|-------|------------------|---------------------|-----------|---------|
| RC1         | 34     | 36     | 18    | 650              | 2503                | 1/4       | 480-520 |
| RC2         | 34     | 36     | 18    | 500              | 6379                | 1/2       | 500-575 |
| RC2A deluxe | 33     | 35     | 19    | 680              | 7045                | 1/2       | 600     |
| RC3         | 37     | 45     | 21    | 695              | 9949                | 3/4       | 1600    |
| RC4         | 37     | 45     | 21    | 465              | 12,980              | 1         | 1600    |

Cooling requirements vary with exposure, number of occupants and other local conditions and should be correctly calculated in every case to determine size of unit required.

**Capacity Table (Per Hour)****Series SSJ**

| Heating and Humidifying                                                                   |  | Cooling                                                      |  |
|-------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|--|
| Steam 1 lb. Press.<br>39,200 Btu 4 gals.                                                  |  | Air Capacity, 350 CFM. Fan Speed, 1140 RPM. Motor H.P. 1/30  |  |
| Hot Water<br>120° 14,200 Btu 1 gal.<br>150° 21,600 Btu 2 gals.<br>180° 31,000 Btu 3 gals. |  | Water at 40°(2 gpm) 8000 Btu<br>Water at 50°(3 gpm) 4800 Btu |  |

\*Provision made for addition of de-humidifying and cooling equipment.