



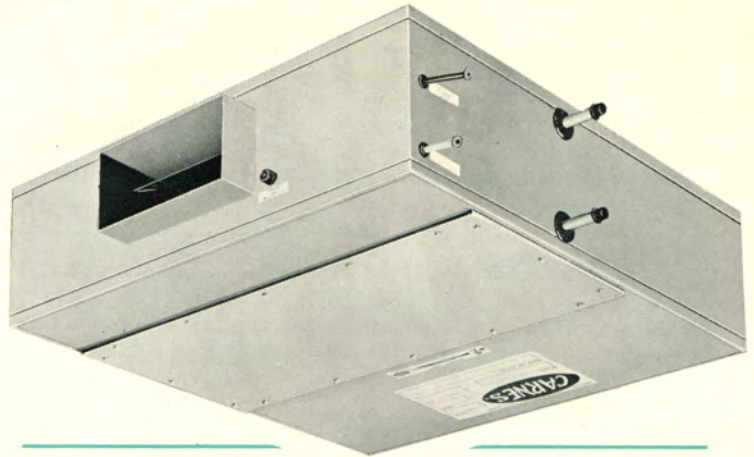
# LOW VELOCITY REHEAT

## WITH MANUAL BALANCING VALVE



The Carnes Low Velocity Reheat ATC Unit is designed to:

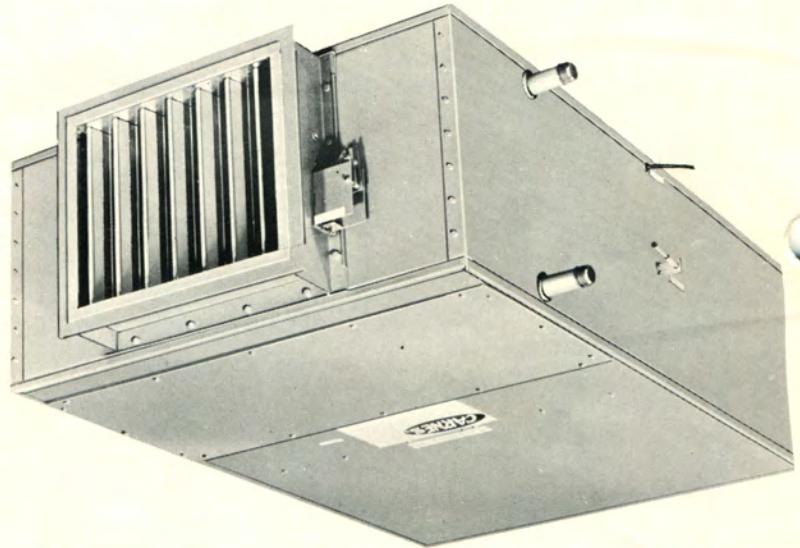
1. Reheat chilled primary air so as to allow the use of a single duct system for year around air conditioning with individual zone control at reasonable cost and maximum system simplicity.
2. Assure continuous air motion in the conditioned space for proper ventilation and odor dilution at all times.
3. Add heat to the primary air in response to the space thermostat and water or steam valve.
4. Provide for easy field balancing by means of inlet valve and calibration chart on which is plotted CFM versus unit's internal pressure drop.
5. Attenuate self-generated and duct air-borne noise.
6. Provide above functions within a factory built, tested and performance-rated unit.



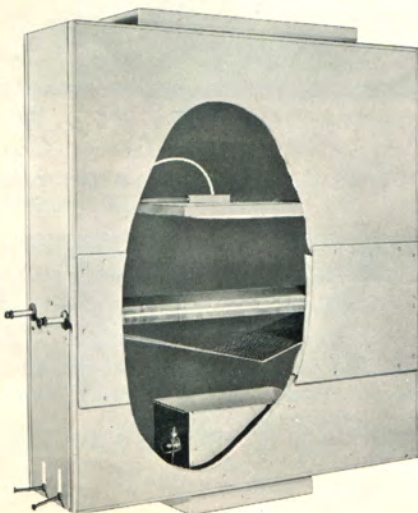
**75 to 1800 CFM** . . . Six sizes for ceiling mounting . . . Rectangular inlets . . . Bottom or end discharge.

### FEATURES:

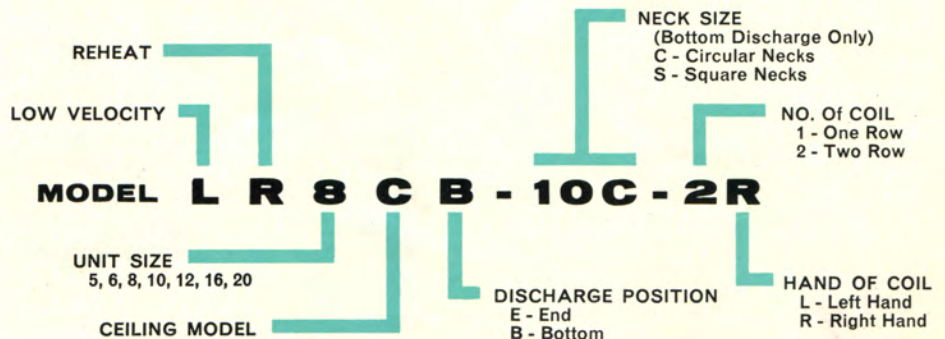
- Reheat coil . . . for steam or hot water . . . available in one row or two rows . . . seamless copper tubing mechanically bonded in corrugated aluminum plate fins . . . external water or steam connections.
- Choice of bottom or end discharge.
- External valve adjustment for easy initial balancing, or rebalancing in event of revision of load requirements.
- Calibrated sensing tips for attachment of manometer to measure CFM.
- Acoustically baffled and lined with fibrous glass liner, mat faced to prevent air erosion.
- Low pressure drop. Only 0.33" inlet static for maximum CFM with 1-row coil.
- Balancing valve will adjust to hold minimum catalogued CFM at 4" inlet static pressure.
- Access door to coil.
- Galvanized steel casing.



**1200 to 2400 CFM** . . . One size for ceiling mounting . . . Rectangular inlet . . . End discharge.



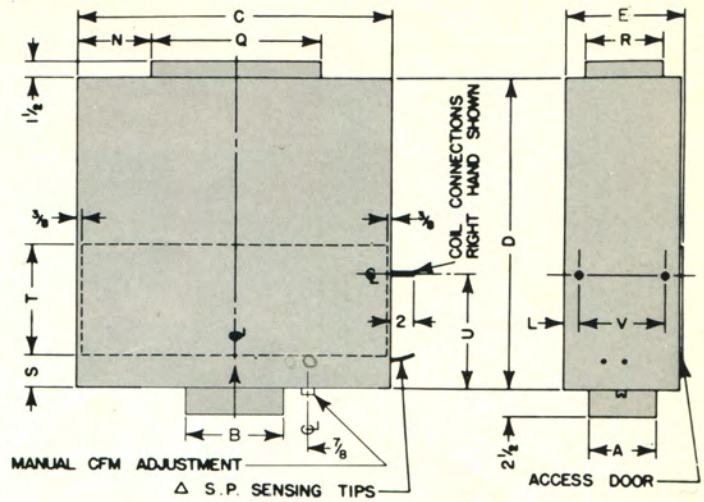
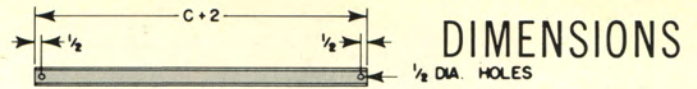
### CATALOG NUMBERING SYSTEM



## 75-1800 CFM END DISCHARGE

	UNIT SIZE NUMBER					
	5C	6C	8C	10C	12C	16C
A	4	4	5	6	9	12
B	6	8	9	12	12	16
C	22	25	28	33	36	38
D	23	26	30	37	48	56
E	7 1/2	7 1/2	8 1/2	9	12 1/2	15
L	1 3/32	1 3/32	1 3/32	1 3/32	1 3/32	1 3/32
N	6 1/2	6	6 1/2	6	6 1/2	6 1/2
Q	9	13	15	21	23	25
R	6	6	7	7	10	13
S	3 3/8	4 1/4	5	8	12 1/8	14 5/8
T	10 3/8	11 3/8	11 3/8	11 3/8	13 3/8	13 3/8
U	10 1/8	10 3/8	11 1/8	15 1/2	20 1/4	21 1/8
V	5	5	6	6 1/4	10	12 1/2
1-Row*	1/2	1/2	1/2	1/2	3/8	3/8
2-Row*	1/2	1/2	1/2	3/8	7/8	7/8

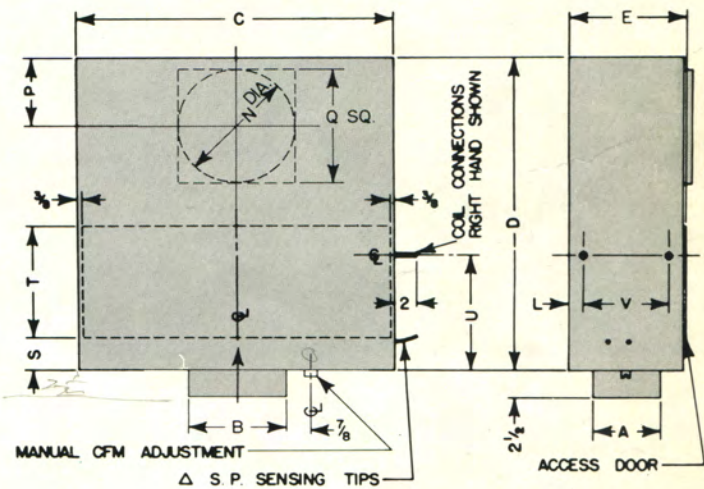
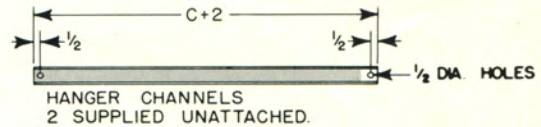
\* O.D. Of Coil Connection



## 75-1800 CFM BOTTOM DISCHARGE

	UNIT SIZE NUMBER					
	5C	6C	8C	10C	12C	16C
A	4	4	5	6	9	12
B	6	8	9	12	12	16
C	22	25	28	33	36	38
D	23	26	30	37	48	56
E	7 1/2	7 1/2	8 1/2	9	12 1/2	15
L	1 3/32	1 3/32	1 3/32	1 3/32	1 3/32	1 3/32
N (Std.)	6	8	10	12	16	18
N (Alt.)	5	6	8 & 6	10 & 8	12 & 14	14 & 16
Q	6 x 6	6 x 6	9 x 9	12 x 12	15 x 15	18 x 18
P	4	5	6	7	9	10
S	3 3/8	4 1/4	5	8	12 1/8	14 5/8
T	10 3/8	11 3/8	11 3/8	11 3/8	13 3/8	13 3/8
U	10 1/8	10 3/8	11 1/8	15 1/2	20 1/4	21 1/8
V	5	5	6	6 1/4	10	12 1/2
1-Row*	1/2	1/2	1/2	1/2	3/8	3/8
2-Row*	1/2	1/2	1/2	3/8	7/8	7/8

\* O.D. Of Coil Connection



## 1200-2400 CFM END DISCHARGE

UNIT SIZE 20C

