

Air-Way Electric Appliance Corporation

Toledo, Ohio

Unit Heaters for Factories, Shops, Etc.

Air-Way

UNIT HEATER

Outstanding features of Air-Way Unit Heaters to which specific attention is invited are: volume of heated air delivered per B.t.u. of fuel consumed; high velocity of air at the outlet, subsequent rapidity and extent of diffusion; exclusive design and construction of unit. Cabinets and louvers are of polished aluminum (which cannot rust or corrode). Unit sections are

integrally cast of aluminum alloy. Leakage from water hammering, freezing or galvanic action is impossible. The motor is specially designed and wholly enclosed. The motor frame for 14, 20 and 27 models takes all windings, including 550, 440, 220 and 110 volts; 25, 30, 40, 50 to 60 cycles. They are unconditionally guaranteed.

Capacity Tables
MODEL 27

		60 Cycle 1150 r.p.m. Std. Fan 25 Cycle 1425 r.p.m. No. 25 Fan Air Delivery 6000 c.f.m. at 70°				60 Cycle 850 r.p.m. Standard Fan Air Delivery 4450 c.f.m. at 70°			
		Intake Air Temperatures				Intake Air Temperatures			
		Zero	50° F.	60° F.	70° F.	Zero	50° F.	60° F.	70° F.
54	E.D.R.	1595	1243	1179	1100	1320	1032	978	913
227*	B.t.u.	382700	298500	283200	264000	317000	247500	234500	219000
	F.T.	71.5	100	107	112.5	78.5	105.5	111	117
1004	E.D.R.	2375	2010	1945	1883	1970	1664	1613	1560
338*	B.t.u.	571000	483000	467000	452000	473000	399500	387000	374500
	F.T.	106.5	131	137	143	117	139	145	150.5

MODEL 20

		60 Cycle 1150 r.p.m. Std. Fan 25 Cycle 1425 r.p.m. No. 25 Fan Air Delivery 3000 c.f.m. at 70°				60 Cycle 850 r.p.m. Standard Fan Air Delivery 2270 c.f.m. at 70°			
		Intake Air Temperatures				Intake Air Temperatures			
		Zero	50° F.	60° F.	70° F.	Zero	50° F.	60° F.	70° F.
54	E.D.R.	853	664	630	588	704	548	521	473
227*	B.t.u.	204500	159600	151200	141300	169000	131800	125000	116600
	F.T.	73	101	107.5	113.5	79	105.5	111.5	117.5
1004	E.D.R.	1270	1075	1038	1005	1048	888	858	830
338*	B.t.u.	305000	258000	249500	241600	252000	213000	206000	199300
	F.T.	108	132	138.5	144.5	118	140	145	151

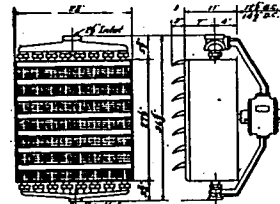
MODEL 14

		60 Cycle 1740 r.p.m. Standard Fan Air Delivery 1550 c.f.m. at 70°				60 Cycle 1150 r.p.m. Standard Fan Air Delivery 1020 c.f.m. at 70°			
		Intake Air Temperatures				Intake Air Temperatures			
		Zero	50° F.	60° F.	70° F.	Zero	50° F.	60° F.	70° F.
54	E.D.R.	338	263	250	233	258	202	191	179
227*	B.t.u.	81100	63250	60000	56000	62000	48400	45900	42800
	F.T.	55.5	89	96.5	103.5	65	95.5	102.5	109
1004	E.D.R.	504	426	413	399	384	325	315	305
338*	B.t.u.	120900	102200	99000	95800	92300	78200	75600	73200
	F.T.	83	113.5	120	127	96.5	124	130	136.5

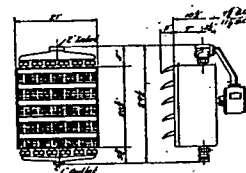
E. D. R.—Equivalent direct radiation, based on one square foot of cast iron radiation when supplied with steam at 5 lb. pressure and exposed in still air at 70 deg., having a heat transmission of 240 B.t.u. per hour.

B.T.U.—Output per hour in British Thermal Units.

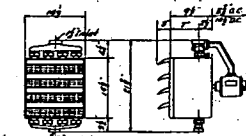
F.T.—Average final temperature of air leaving unit in degrees Fahrenheit.



Model 27



Model 20



Model 14

Air-Way

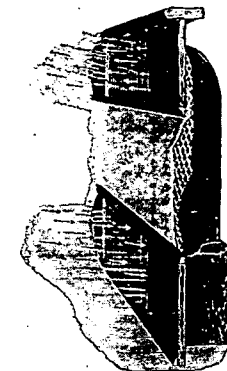
AERIET

The Air-Way Aeriet is a standardized unit assembly designed especially for living rooms, offices and other places where a highly efficient compact heating unit is desired to meet all installation conditions and requirements. This is the only such heating unit now available. The Aeriet may be entirely concealed within partitions, or installed in an attractive cabinet to replace cast iron radiators. It provides positive mechanical movement of air for heating or cooling as may be desired. The heat does not rise along the wall to the ceiling, but is projected out into the room at knee level where it blends with the lower temperatures and rises. There are no valves to regulate. The heating element connected to steam or hot water supply line is integrally cast of non-corrosive alloys, unbreakable and leak-proof. Electric heating elements may also be used exclusively or in combination with steam or hot water sections. A specially designed, silent, vibrationless motor operates the blower-type fans. The complete motor assembly is readily accessible by removing two screws from the lower grill.

Model 14 Aeriet is illustrated. This

unit has a heating capacity equivalent to 40 sq. ft. of direct radiation and this capacity is achieved with quiet operation at normal fan speeds. Much greater capacity can be produced by running the unit at higher speeds but not silent operation. Various models meet every individual requirement.

Write for more complete information and data.



Side and front elevation views showing dimensions and pipe connections for roughing in Model 14 Aeriet Assembly.

