

STEAM/HOT WATER, VERTICAL DELIVERY UNIT HEATERS

- 15 Standard Models • Lightweight, Easy to Install • Totally-Enclosed Motors • 33,000 to 952,000 Btu/Hr Input
- Built-In Fan Safety Guard



MODEL V/VN

Modine Model V/VN vertical steam/hot water unit heaters are designed for long heat-throw, uniform comfort heat delivery, and reduced maintenance. The units are recommended for areas where ceilings are high or where obstructions do not permit good horizontal movement of air.

Standard features include:

- Units install quickly, easily, and at low cost because they are lightweight, yet are ruggedly constructed to resist rigorous handling and on-the-job abuse.
- Carefully-selected motors and fans with a scientifically designed venturi fan-shroud reduce noise levels to a satisfactory minimum.
- Totally enclosed motor with thermal-overload protection.
- A motor heat shield protects the motor from heated air passing through the heater.
- Fans are statically and dynamically balanced.
- Fan and motor assemblies are exposed and can be removed without lowering the unit heater.
- The unit casing is treated for protection against corrosion prior to the application of the attractive gray-green, baked-on polyester powder coat paint finish.
- A variety of deflector-blade options provides an increased degree of control over air-discharge direction.
- Low outlet temperature models are recommended for steam pressure above 30 PSI, but can also be used in dirty environments to minimize buildup of air contaminants on the coil.
- Modine VN models feature coils made from cupro-nickel tubes that have the extra strength to withstand higher steam pressures (250 PSI) or water temperatures (400°F).

Performance Data

Model No.	Motor Data ①		Standard Models									
			Steam (2# Steam, 60°F Ent. Air)			Hot Water (200°F in 180°F out, 60°F Ent. Air)			CFM	Max. Mounting Height (Ft.)	Heat Spread (Ft.) ^②	
	HP	Approx RPM	Btu/Hr	Condensate (Lbs/Hr)	Final Air Temp. (°F)	Btu/Hr	Water Flow (GPM)	Final Air Temp. (°F)				Press. Drop (Ft of Water)
V/VN 42	1/30	1050	42,000	43	103	30,100	3.1	90	0.6	950	15	11
V/VN 59	1/30	1050	59,000	61	111	42,600	4.4	96	0.5	1155	19	14
V/VN 78	1/15	1050	78,000	81	109	57,000	5.9	95	0.5	1590	20	15
V/VN 95	1/15	1050	95,000	99	118	69,300	7.2	101	0.5	1665	20	15
V/VN 139	1/5	1075	139,000	144	112	106,600	11.1	99	2.6	2660	24	18
V/VN 161	1/3	1075	161,000	167	115	123,200	12.8	101	2.2	2940	27	20
V/VN 193	1/3	1075	193,000	200	116	147,200	15.3	101	2.2	3500	30	22
V/VN 212	1/3	1075	212,000	219	120	161,700	16.8	104	1.5	3610	30	22
V/VN 247	1/2	1075	247,000	256	111	188,700	19.7	98	2.1	4820	34	26
V/VN 279	1/2	1075	279,000	288	111	212,700	22.2	98	2.1	5460	37	30
V/VN 333	3/4	1140	333,000	345	116	260,100	27.1	103	3.8	5980	37	30
V/VN 385	1	1140	385,000	398	110	302,100	31.5	98	5.0	7680	36	30
V/VN 500	1-1/2	1140	500,000	518	108	391,700	40.8	97	4.8	10,390	44	37
V/VN 610	1-1/2	1140	610,000	631	112	450,400	46.9	97	1.0	11,750	43	36
V 952	2	1140	952,000	986	139	721,600	75.2	120	1.1	12,170	45	56

① For most popular motor used on each model.

② At 2 psi steam, 60°F entering air – unit heaters equipped with cone-jet deflectors.



Request Catalog 1-150 For Complete Technical Information and Specifications.