



Performance Heating, LLC - Data Sheet

OMV-PA Series - Vertical Only

Thermal Fluid Heater (Coil Type)

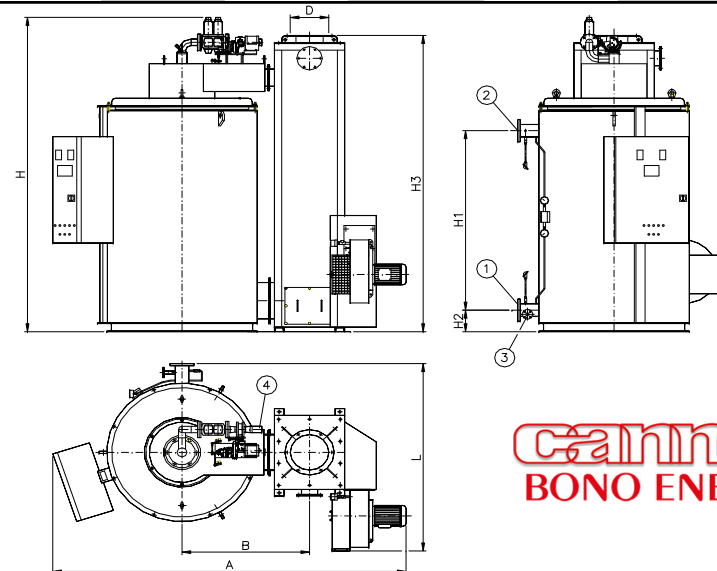
Heater Features		200	300	400	600	800	1000	1250	1500	2000	2500	3000	4000	5000
Thermal Capacity	kCal/hr					800,000	1,000,000	1,250,000	1,500,000	2,000,000	2,500,000	3,000,000	4,000,000	5,000,000
	kW					938	1,172	1,465	1,758	2,345	2,931	3,517	4,689	5,861
Efficiency (100%Load)	%					87	87	87	87	87	87	87	87	87
Efficiency (75% Load)	%					88	88	88	88	88	88	88	88	88
Temp. Differential	Δ°C					30	33	40	40	40	40	40	40	50
Pressure Drop	bar					1.1	1.4	0.7	1.1	0.8	1.5	1.5	2.0	2.0
Flow Rate	m ³ /hr					60	60	65	75	105	125	150	205	205
L Length	mm					3350	3350	3600	3670	3830	4490	4630	5000	5000
A Width	mm					1780	1780	2010	2120	2360	2360	2550	3400	3400
H Height	mm					3460	3460	3560	3560	3700	4000	4230	5300	6100
H1 Oil Inlet/Outlet (CL)	mm					1993	1993	2023	2023	2225	2340	2570	3220	4020
H2 Oil Inlet (Elevation)	mm					310	310	244	244	244	350	350	352.5	355
H3 Exhaust (Elevation)	mm					3200	3200	3340	3340	3440	3760	3985	5300	5800
D Exhaust Diameter	mm					400	400	400	400	400	470	470	535	600
Oil Inlet/Outlet Flange	mm					100	100	125	125	125	150	150	150	200
Oil Content	L					418	418	670	670	1070	1083	1530	1950	2970
Weight (Empty)	kg					3700	3700	4800	4800	5900	7800	9400	16500	19500

Design Notes:

- (A) All flange connections are ANSI 300#
- (B) Standard design pressure is 145 psi
- (C) A standard burner has been used for dimensioning purposes
- (D) Multiple burner fuel options are available
- (E) Vertical orientations are available
- (F) Higher efficiency options are available (Model OMV-PA)
- (G) The OMV-PA is only available in heaters greater than the OMV 600

Additional Options:

- (A) Circulation pumps for thermal fluid heater
- (B) Motor control panel(s) for circulation pump and burner
- (C) Expansion tank(s) with our without tank tower
- (D) Inert gas blankets for the expansion tank
- (E) Drain tank(s) for above ground installation
- (F) Gear pump for system filling or draining
- (G) Skid assembly of heater and/or ancillary components
- (H) Complete packaged systems are available for easy installation
- (I) Containerized equipment is available
- (J) PLC for enhanced DCS communication



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