

Specifications – Bosch GWH Series Water Heaters

Bosch tankless water heaters are available for natural gas or propane – providing hot water in seconds for as long as needed. They can be installed as a central system or at point of use for specific requirements. All units are wall hung, saving valuable floor space.

260PN - Small, compact. Ideal for low flow, cottage camp applications. Standing pilot.

425PN - Residential and medium flow applications with standing pilot.

425HN - Residential and medium flow with hydro generated electronic ignition.

430EF - Residential and medium flow. 110V required for electronic ignition and integral fan. Can be vented 15 ft. horizontally.

635ES - Larger flows. 110V required for electronic ignition and integral fan. Sealed combustion. Can be vented 26 ft. horizontally. Diagnostic readout.

715 ES - Large flow. Most versatile unit on the market. 110V required for electronic ignition, integral fan and diagnostic readout. Sealed combustion. Designed for solar backup. Kit available to manifold up to four heaters with cascading control. Can be vented 18-26 ft. horizontally.

C800ES - Same features as 715ES with 92% efficient condensing heat exchanger.

450ESR - Specially designed for recirculation to D.H.W. storage. Sealed combustion. Integral fan and digital readout.

Optional Power Vent packages available

SPECIFICATIONS GWH MODELS								
	260PN	425 PN	425HN	430EF	635ES	715ES	C800ES	450ESR
Rated input (BTU/HR)	74,900	117,000	117,000	125,000 LP 130,000 N	175,000	199,000	199,000	120,000
Minimum input (BTU/HR)	30,735	33,000	33,000	28,000	31,000	19,900	19,900	35,500
Maximum Flow Rate (USGPM)	2.6	4.0	4.0	5.0	6.4	9.2	10.1	4.5
Minimum Flow Rate (USGPM)	1.3	0.5	0.5	0.5	0.8	0.65-1.6	0.65-1.6	N/A
Hot Water Output (USGPM)								
(a) 45° rise (F)	2.6	1.0 - 4.2	1.0 - 4.0	1.0 - 5.0	0.8 - 6.4	0.65-7.2	0.65-8.0	4.5
(b) 90° rise (F)	1.3	0.5 - 2.1	0.5 - 2.0	0.5 - 2.5	0.8 - 3.2	0.65-3.6	0.65-3.9	N/A
Flue Size	4"	5"	5"	4"	3"	3"	3"	3"
Flue Type	B	B	B	C	SS CL III	SS CL III	CPVC (635)	SS CL III
Water Inlet (NPT)	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
Water Outlet (NPT)	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
Gas Inlet (NPT)	1/2	3/4	3/4	1/2	3/4	3/4	3/4	3/4
Overall Size (inches):								
Height	22 ³ / ₁₆	22 ³ / ₄	30 ⁵ / ₁₆	30 ⁵ / ₁₆	23 ¹ / ₂	30.5	30.5	27.5
Width	12 ¹ / ₄	16 ³ / ₄	17 ⁵ / ₁₆	18 ¹ / ₄	15 ³ / ₄	17.875	18.875	15.75
Depth	8 ¹ / ₂	8 ¹ / ₂	8 ¹¹ / ₁₆	8 ³ / ₄	8 ¹ / ₂	11.25	11.25	11.75
Shipping Weight (lbs.)	25	44	44	55	60	67	74	47
Gas Consumption (maximum):								
LP-GAS (lbs/hr)	3.5	5.4	5.4	5.8	8.1	9.23	9.23	5.57
NAT GAS (cubic ft/hr)	69.3	108.8	108.8	121	162.8	185.12	185.12	111.63
Inlet Water Pressure:								
Min. pressure for showers (PSI)	40	40	40	40	30	40	40	30
Max. working pressure (PSI)	150	150	150	150	150	150	150	150
Gas Inlet Pressure Requirements:								
LP-GAS (IN.W.C.)	11	11	11	11	11 - 14	9 - 14	9 - 14	11 - 14
NAT. GAS (IN.W.C.)	7	7	7	7	5 - 14	4 - 14	4 - 14	5.5 - 8
Efficiencies								
Thermal	78%	78%	80%	82%	87%	82%	92%	82%
Energy Factor (E.F.)	.64	.79	.79	.78	.85	.81	.89	N/A

All performance specifications are based on 1075 BTU's Per Cubic Foot at sea-level, water pressure of 50 PSI, 7 column inches natural gas, 11 column inches LP-GAS. Maximum inlet water pressure - 100 PSI, and 50°F incoming water temperature. Your figures may vary due to the deviation from these standards as well as your usage habits.

For more information, please contact:

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