

Performance
and Specifications

A AMTROL^{INC.}
Hydronic Technologies

BOILERMATE™ COMMERCIAL INDIRECT-FIRED WATER HEATERS



Classic Series

- 41-gallon storage
- Advanced, integrated recovery and storage design for uniform temperatures
- Electronic SmartControl – Standard
- Rapid recovery
- Available in single or double-wall construction



Premier Series

- Stainless-steel storage reservoir
- Removable, copper-finned heat exchanger
- Stano-Guard coating to protect against aggressive water
- Flanged top access opening
- Reversible control panel for optional piping positions
- CFC-free urethane foam insulation (less than 0.4°F/hr heat loss)

Specifications

Model Number	Capacity (gallons)	Height (inches)	Diameter (inches)	Shipping Weight (lbs.)	Cold Water inlet-nptm	Hot Water outlet-nptf	Boiler Supply	Boiler Return
WH-7C	41	48	22	144	3/4"	3/4"	3/4" NPTM	3/4" NPTM
WH-7C-DW	41	48	22	151	3/4"	3/4"	1" Union Sweat	1" Union Sweat
WHS-60ZC	80	54	26	168	1"	1"	1" NPTM	1" NPTM
WHS-60-ZCDW	60	54	26	178	1"	1"	1" Union Sweat	1" Union Sweat
WHS-80ZC	80	66	26	178	1"	1"	1" NPTM	1" NPTM
WHS-80-ZCDW	80	66	26	188	1"	1"	1" Union Sweat	1" Union Sweat
WHS-120-ZC	119	71	29	218	1"	1"	1" NPTM	1" NPTM
WHS-120-ZCDW	119	71	29 3/4	228	1"	1"	1" Union Sweat	1" Union Sweat

Performance

WH-7C, WH-7CDW		
BOILER OUTPUT (7 gpm input-to BoilerMate)	1 FIRST-HOUR RATING (90°F rise)	2 CONTINUOUS FLOW (70°F rise steady state)
	GALLONS	GPH
100,000	170	172
120,000	197	207
140,000	223	241
160,000	250	275
180,000	277	310
200,000	304	344
220,000	331	379
240,000	357	413
260,000	384	448
280,000	411	482



WHS-60ZC, WH-60ZCDW		
BOILER OUTPUT (7 gpm input-to BoilerMate)	1 FIRST-HOUR RATING (90°F rise)	2 CONTINUOUS FLOW (70°F rise steady state)
	GALLONS	GPH
100,000	185	173
120,000	212	208
140,000	239	242
160,000	266	277
180,000	293	312
200,000	320	346
220,000	346	379
240,000	372	413
260,000	399	448
280,000	426	482



WHS-80ZC, WHS-80ZCDW		
BOILER OUTPUT (7 gpm input-to BoilerMate)	1 FIRST-HOUR RATING (90°F rise)	2 CONTINUOUS FLOW (70°F rise steady state)
	GALLONS	GPH
100,000	202	173
120,000	229	208
140,000	256	242
160,000	283	277
180,000	310	312
200,000	337	346
220,000	363	379
*240,000	389	413
260,000	416	448
280,000	443	482



WHS-120ZC, WHS-120ZCDW		
BOILER OUTPUT (7 gpm input-to BoilerMate)	1 FIRST-HOUR RATING (90°F rise)	2 CONTINUOUS FLOW (70°F rise steady state)
	GALLONS	GPH
100,000	236	173
120,000	263	208
140,000	289	242
160,000	316	275
180,000	343	310
200,000	370	344
220,000	397	379
240,000	423	413
260,000	450	448
280,000	477	482



Maximum BTU transfer with 180°F boiler water:
*ZCDW Models = 240,000

5-Year Limited Warranty



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