



PREMIER™ SERIES APARTMENT HOUSE SIZING

Job Site Information:

Present Water Heating Equipment

Type of Heater: Instantaneous Indirect Direct Fired
 Make and Model _____
 Storage Volume _____ Gal.
 Recovery _____
 Fuel _____
 Operating Temp. _____
 Boiler Make and Model _____
 BTU's _____
 Avg. Boiler Water Temp. _____
 Recirculating Line Size _____
 Circulator Make and Model _____
 Control _____
 Are there any problems with the present hot water? _____

Options

Will new boiler be installed? _____
 For hot water only? _____
 If no, will old boiler be used for both hot water and heat? _____
 *If for hot water and heating, what is the space heating load?
 _____ BTU's

Sizing Information

Input:

- Number of Apartments, A
- Average number of People per Apartment, P

Sizing Commercial Premier Modules for Apartment Buildings

- Determine whether the apartment building usage should be classified as minimal, small shower head, 2 to 3 GPM, 2½ persons average occupancy; or average regular shower heads, 4 to 6 GPM, 3 to 4 persons per apartment.
- Select proper number of WH-7C modules from Table 1 and the required heat generator capacity from Figure 1.

Recommendations:

- Number _____ Models _____
- Flow (GPM) _____
- Feet of Head _____
- Size Manifold _____

WH-7C

Number of Apartments	No. of WH-7C	Flow (GPM)	Feet of Head	Size Manifold
2-5	1	7	20	¾"
6-25	2	14	20	1"
26-44	3	21	20	1 ¼"
46-63	4	28	20	1 ½"
64-82	5	35	20	1 ½"
83-100	6	42	20	2"

For number of 7C's, $y = .053T + 1.7$ (note: round down)

WHS-60CZDW

Number of Apartments	No. of WHS-60CZDW	Flow (GPM)	Feet of Head	Size Manifold
2-8	1	10	20	1"
9-32	2	21	20	1 ½"
33-55	3	31	20	1 ½"
56-79	4	42	20	2"
80-105	5	52	20	2"

For number of 60C's, $y = .043T + 1.62$ (note: round down)

WHS-80CZDW

Number of Apartments	No. of WHS-80CZDW	Flow (GPM)	Feet of Head	Size Manifold
2-12	1	10	20	1"
13-40	2	21	20	1 ½"
41-66	3	31	20	2"
67-92	4	42	20	2"

For number of 80C's, $y = .038T + 1.52$ (note: round down)

WHS-120CZDW

Number of Apartments	No. of WHS-120CZDW	Flow (GPM)	Feet of Head	Size Manifold
2-16	1	10	20	1"
17-62	2	21	20	1 ½"
63-105	3	31	20	2"
106-150	4	42	20	2"

For number of 120C's, $y = .023T + 1.63$ (note: round down)

Figure 1. Required Heat Generator Capacity - MBH

