

ADK Series



ADK MODEL SELECTOR

Choosing an appropriate model of electric tankless water heater for your home or business depends on 3 primary factors.

1. Incoming water temperature
2. Maximum flow rate desired
3. Electrical service

INCOMING WATER TEMPERATURE

The chart is designed to offer you a general model selection recommendation based on typical winter incoming water temperatures for various regions of North America. The model recommended is based on a desired maximum flow rate of about 3 gallons per minute. A more powerful model will provide higher flow rates.



Dimensions: 12 x 4 x 9 (inches)
Weight: 7 lbs.
Pipe fittings: Aluminum alloy 393 1/2 inch
Activation flow rate: .25 gallon

Model No.	ADK-1	ADK-2	ADK-3	ADK-4
Max KW @ 220v	11.8KW	8.2KW	6.4KW	3.2KW
Volts	220V	220V	220V	110V
Max amps @ 220v	54	37	30	29
Required breaker	60 amp	40 amp	30 amp	30 amp

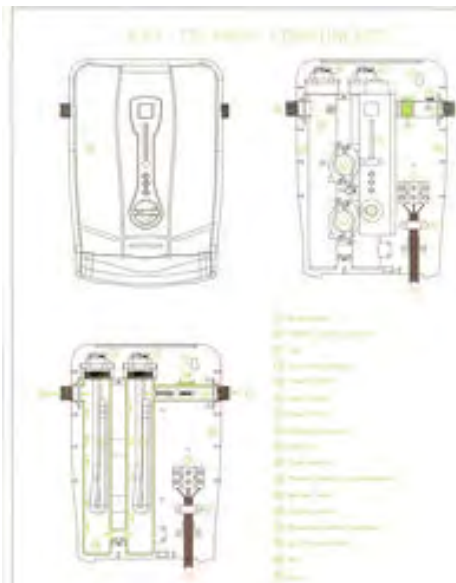
MAXIMUM FLOW RATE DESIRED

You should consider the maximum flow rate of hot water you really need. See chart for a few flow rate guidelines for various hot water applications in the home. Generally, a maximum flow rate of 3 GPM will be sufficient for such applications. In warmer climates, it is possible to use one of our more powerful models to run flow rates of up to 7 gallons per minute. You can achieve a comfortable output temperature suitable for one or two applications simultaneously.

Application	Flow Rate in GPM at 60 PSI
Typical Shower	1.5 to 2.0 GPM (Max 2.5 GPM)
Typical Bath Tub Faucet	2.0 to 3.0 GPM
Bathroom Vanity sink Faucet	0.5 to 1.5 GPM
Kitchen Sink Faucet	1.0 to 2.2 GPM
Clothes Washer	1.5 to 3.0 GPM

Most people shower at a temperature of between 98°F and 104°F. The chart is based on a 220 volt input voltage and maximum flow rates are listed for various incoming water temperature levels. If your home or business has less than 240 volt power (208v), your maximum flow rate will be lower. Simply look up your incoming water temperature and desired flow rate to determine your model choice.

FLOW RATE (GPM)	ADK-1	ADK-2	ADK-3	ADK-4
1.0 GPM	80.2	55.7	43.5	21.7
1.5 GPM	53.4	37.3	29.0	14.4
2.0 GPM	40.1	27.8	21.7	
2.5 GPM	32.0	22.2	17.4	
3.0 GPM	26.7	18.5		
3.5 GPM	22.9	15.9		
4.0 GPM	20.0			



1. Water inlet
2. Thermal safety cut-out
3. SCR
4. Wall screw fixings
5. Terminal block
6. Cable clamp
7. Cable entry
8. Heating elements
9. elec-box
10. Flow control
11. Thermal safety cut-out
12. Heater tank
13. Water outlet
14. Pressure switch assembly
15. Ground connection
16. Box
17. Cover

Required Breaker Max Power AWG WIRE

Model ADK1	one 60 AMP	54 AMPS	#6
Model ADK2	one 40 AMP	37 AMPS	#8
Model ADK3	one 30 AMP	30 AMPS	#10
Model ADK4	one 30 AMP	29 AMPS	#10

AH Series



AH MODEL SELECTOR

Choosing an appropriate model of electric tankless water heater for your home or business depends on 3 primary factors.

1. Incoming water temperature
2. Maximum flow rate desired
3. Electrical service

INCOMING WATER TEMPERATURE

The chart is designed to offer you a general model selection recommendation based on typical winter incoming water temperatures for various regions of North America. The model recommended is based on a desired maximum flow rate of about 3 gallons per minute. A more powerful model will provide higher flow rates.



Chart reflects flow rates with temperature setting at 105° F.

Dimensions : AH 27-21 16"x 17" x 3.25
AH 18-11 16"x 13.5" x 3.25

Weight: 12 lbs.

Pipe fittings: COPPER 3/4 inch

Activation flow rate: .25 gallon

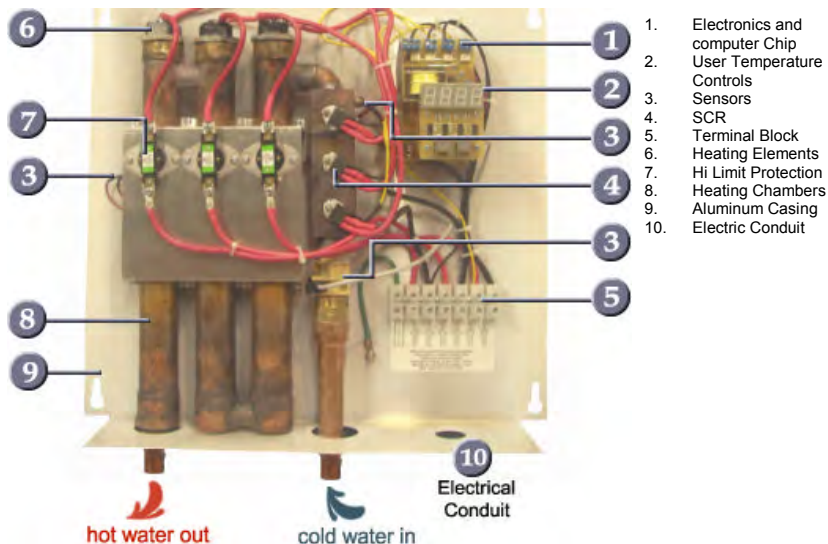
MAXIMUM FLOW RATE DESIRED

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	40 F	45 F	50 F	55 F	60 F	65 F	70 F	75 F	80 F
Model AH 27	2.8 GPM	3.1 GPM	3.3 GPM	3.7 GPM	4.1 GPM	4.6 GPM	5.2 GPM	6.1 GPM	7.3 GPM
Model AH 24	2.5 GPM	2.7 GPM	3.0 GPM	3.3 GPM	3.6 GPM	4.1 GPM	4.7 GPM	5.4 GPM	6.5 GPM
Model AH 21	2.3 GPM	2.5 GPM	2.7 GPM	3.0 GPM	3.3 GPM	3.8 GPM	4.3 GPM	5.0 GPM	6.0 GPM
Model AH 18	1.9 GPM	2.0 GPM	2.2 GPM	2.4 GPM	2.7 GPM	3.1 GPM	3.5 GPM	4.1 GPM	4.9 GPM
Model AH 16	1.7 GPM	1.8 GPM	2.0 GPM	2.2 GPM	2.4 GPM	2.7 GPM	3.1 GPM	3.6 GPM	4.4 GPM
Model AH 14	1.5 GPM	1.6 GPM	1.7 GPM	1.9 GPM	2.1 GPM	2.4 GPM	2.7 GPM	3.2 GPM	3.8 GPM
Model AH 11	1.2 GPM	1.3 GPM	1.4 GPM	1.5 GPM	1.7 GPM	1.9 GPM	2.1 GPM	2.5 GPM	3.0 GPM

Most people shower at a temperature of between 98°F and 104°F. The chart is based on a 240 volt input voltage and maximum flow rates are listed for various incoming water temperature levels. If your home or business has less than 240 volt power (208v), your maximum flow rate will be lower. Simply look up your incoming water temperature and desired flow rate to determine your model choice.

Application	Flow Rate in GPM at 60 PSI
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Kitchen Sink Faucet	1.0 to 2.2 GPM
Clothes Washer	1.5 to 3.0 GPM



	Required Breaker	Max Power	AWG WIRE
Model AH 27	one 125 AMP	112.5 AMPS	#2
Model AH 24	one 100 AMP	100.0 AMPS	#2
Model AH 21	one 100 AMP	87.5 AMPS	#2
Model AH 18	one 80 AMP	75.0 AMPS	#4
Model AH 16	one 70 AMP	66.6 AMPS	#4
Model AH 14	one 60 AMP	58.3 AMPS	#6
Model AH 11	one 50 MP	45.8 AMPS	#8