

Aitken Series AUH

Electric Unit Heater Selection Chart

| Model No. | (KW) CAP. | BTU/Hr. | HTR VOLT | Phase | Htr. Amps | | Fan Mtr. HP | Fan Mtr. Volt | Fan Mtr. RPM | Air Vol. CFM | Air Temp. Rise | Throw | Max. Mount. Ht. | Contactor | Built-In Branch Circuit Fusing | | Ship. Wt. (Lbs.) |
|--|---|--|---------------------------------|---|--------------------------------------|---------------------|-------------------|---------------------------------|--------------------|--------------------|---------------------------------|-------|-----------------------|--|--|--------------------------|----------------------------|
| | | | | | 10 | 30 | | | | | | | | | No. of Fuses | Fuse Rating (AMPS) | |
| • AUH-220-SA • AUH-224-SA • AUH-227-SA | 2.5 | 8,533 | 208 240 277 | 1 | 12.0 10.4 9.0 | --- | 6W | 208 240 277 | 1400 | 270 | 30° | 16' | 8' | Not Req. | Not Req. | | 25 25 25 |
| • AUH-320-SA • AUH-324-SA • AUH-327-SA • AUH-348-SA | 3.33 | 11,365 | 208 240 277 480 | 1 3 | 15.9 13.9 12.0 --- | --- | 6W | 208 240 277 208 | 1400 | 270 | 38° | 16' | 8' | Not Req. Built In | Not Req. | | 25 25 25 30 |
| • AUH-520-SA • AUH-524-SA • AUH-527-SA • AUH-548-SA • AUH-555-SA | 5.0 | 17,065 | 208 240 277 480 550 | 1 or 3 1 or 3 1 1 or 3 1 or 3 | 24.0 20.8 18.1 10.4 9.1 | 14.4 12.0 --- | 6W | 208 240 240 208 240 | 1400 | 270 | 60° | 16' | 8' | Not Req. Not Req. Not Req. Built In Built In | Not Req. | | 26 25 26 30 30 |
| • AUH-720-SA • AUH-724-SA • AUH-727-SA • AUH-748-SA • AUH-755-SA | 7.50 | 25,598 | 208 240 277 480 550 | 1 or 3 1 or 3 1 1 or 3 1 or 3 | 36.1 31.3 27.1 15.6 13.6 | 20.8 18.1 --- | 6W | 208 240 240 208 240 | 1400 | 270 | 85° | 18' | 8' | Built In | Not Req. | | 27 27 27 30 27 |
| • AUH-1020-M • AUH-1024-M • AUH-1027-M • AUH-1048-M • AUH-1055-M | 9.60 10.00 10.00 10.00 10.00 | 32,765 34,130 34,130 34,130 34,130 | 208 240 277 480 550 | 1 or 3 1 or 3 1 1 or 3 1 or 3 | 47.8 43.3 37.6 21.6 18.6 | 27.6 25.7 --- | 1/10 | 208 240 240 208 240 | 1550 | 500 | 61° 63° 63° 63° 63° | 20' | 9' | Built In | Not Req. | | 62 62 68 72 72 |
| • AUH-1220-M • AUH-1224-M • AUH-1227-M • AUH-1248-M • AUH-1255-M | 12.50 | 42,663 | 208 240 277 480 550 | 1 or 3 1 or 3 1 1 or 3 1 or 3 | 61.7 53.7 46.7 27.6 24.0 | 36.3 31.7 --- | 1/10 | 208 240 240 208 240 | 1550 | 750 | 58° | 28' | 11' | Built In | 6 30 6 30 Not Req. Not Req. Not Req. | | 68 68 74 78 80 |
| • AUH-1520-M • AUH-1524-M • AUH-1527-M • AUH-1548-M • AUH-1555-M | 15.00 | 51,195 | 208 240 277 480 550 | 1 or 3 1 or 3 1 1 or 3 1 or 3 | 73.8 64.1 46.7 27.6 24.0 | 43.3 37.7 --- | 1/10 | 208 240 240 208 240 | 1550 | 750 | 63° | 28' | 11' | Built In | 6 30 6 30 3 25 Not Req. Not Req. | | 68 68 74 78 80 |
| • AUH-2020-M • AUH-2024-M • AUH-2027-M • AUH-2048-M • AUH-2055-M | 19.20 20.00 20.00 20.00 20.00 | 65,530 68,260 68,260 68,260 68,260 | 208 240 277 480 550 | 1 or 3 1 or 3 1 1 or 3 1 or 3 | 94.0 84.9 73.7 42.5 37.1 | 54.8 49.7 --- | 1/10 | 208 240 240 208 240 | 1550 | 1000 | 60° 63° 63° 63° 63° | 32' | 13' | Built In | 6 40 6 35 3 30 Not Req. Not Req. | | 70 70 76 78 80 |
| • AUH-2520-L • AUH-2524-L • AUH-2548-L • AUH-2555-L | 25.00 | 85,325 | 208 240 480 550 | 3 | 71.3 62.0 31.1 27.1 | --- | 1/3 | 208 240 208 240 | 1550 | 1300 | 61° | 34' | 14' | Built In | 6 50 6 45 Not Req. Not Req. | | 121 128 136 142 |
| • AUH-3020-L • AUH-3024-L • AUH-3048-L • AUH-3055-L | 29.80 30.00 30.00 30.00 | 101,700 103,390 103,390 103,390 | 208 240 480 550 | 3 | 85.0 74.1 36.9 32.2 | --- | 1/3 | 208 240 208 240 | 1550 | 1800 | 52° 53° 53° 53° | 38' | 15' | Built In | 6 60 6 55 Not Req. Not Req. | | 139 139 142 142 |
| • AUH-4020-L • AUH-4024-L • AUH-4048-L • AUH-4055-L | 40.00 40.00 39.00 40.00 | 136,520 136,520 133,107 136,520 | 208 240 480 550 | 3 | 112.9 98.1 47.9 42.8 | --- | 1/3 | 208 240 208 240 | 1550 | 2200 | 58° 58° 56° 58° | 45' | 15' | Built In | 12 40 12 35 Not Req. Not Req. | | 144 144 145 152 |
| • AUH-5020-L • AUH-5024-L • AUH-5048-L • AUH-5055-L | 50.00 | 170,650 | 208 240 480 550 | 3 | 140.7 122.2 61.1 53.3 | --- | 1/3 | 208 240 208 240 | 1550 | 2800 | 57° | 58' | 15' | Built In | 12 50 12 45 6 45 6 40 | | 144 144 152 152 |

• Can ship UPS - optional carts are available for portable use.
 Model numbers with "SA" include saddle type mounting bracket.

AUH 524-T Electric Universal Heater

Specifications

| Model Number | Volts | Watts | BTU per hr. | Phase | Fan Motor Watts | Control Circuit and Fan Motor Volts | Fan Motor RPM | Air Volume CFM | Throw | Min. Mtg. Ht. | Heater Amps | Min. Ckt. Amps | Approx Ship Wt. (Lbs.) |
|--------------|-------|-------|-------------|-------|-----------------|-------------------------------------|---------------|----------------|-------|---------------|-------------|----------------|------------------------|
| AUH-534T | 208 | 1,874 | 6,396 | 1 | 6 | 208 | 1450 | 350 | 18' | 6' | 9.0 | 11.3 | 25 |
| | | 2,500 | 8,533 | | | | | | | | 12.0 | 15.0 | |
| | | 3,123 | 10,659 | | | | | | | | 15.0 | 18.8 | |
| | | 3,750 | 12,799 | | | | | | | | 18.0 | 22.5 | |
| | 240 | 2,500 | 8,533 | | | 240 | | | | | 10.4 | 13.0 | |
| | | 3,332 | 11,365 | | | 13.9 | | | | | 17.4 | | |
| | | 4,165 | 14,215 | | | 17.4 | | | | | 21.8 | | |
| | | 5,000 | 17,065 | | | 20.9 | | | | | 26.1 | | |

Unit Heater Accessories and Controls

| | Model No. | Description | Shipping Wt. (lbs.) |
|-------------|-----------|--|---------------------|
| Brackets | ACWB-1 | Combination wall/ceiling bracket for 2-1/2KW thru 15KW units. Not required on "SA" or "TA" models. | 4.0 |
| | ACWB-2 | Same as above but for 20KW thru 15KW Units. | 14.5 |
| Thermostats | AUH-TA-1 | Single pole thermostat kit for field installation in all units except three phase AUH-520 and AUH-524. Range: 40° - 100° F. | 1.0 |
| | AUH-TA-2 | Double line break thermostat kit for field installation in three-phase. AUH-520 and AUH-524 units. Range 50° - 100° F. | 1.0 |
| | AWT-1 | Line voltage wall thermostat single pole, 25 amps at 208-240 VAC mounted in enclosed box for all units except three-phase AUH-520-SA and AUH-524-SA units. Range 40° - 100° F. | 1.0 |
| | AWT-2 | Line voltage wall thermostat line break, 25 amps at 208-240 VAC mounted in enclosed box for all three-phase AUH-520-SA and AUH-524-SA units. Range 40° - 100° F | 1.5 |
| | TS | Single pole line voltage wall thermostat. (No enclosure.) Range: 50° - 90° F. | 0.5 |
| | TD | Double pole wall thermostat. (No enclosure.) Range: 50° - 90° F. | 0.75 |
| | DA | Single pole thermostat. Live voltage 120-240. Range: 40° - 80° F. Metal housing with built-in thermostat. | 2.0 |
| Accessories | ASW | Summer-Winter fans switch kit for field installation built-in or remote for all units. Provides summer fan operation. | 0.5 |
| | ADS-30 | 3-pole power disconnect switch kit for field installation on all horizontal unit heaters rated 30 amps or less. | 1.0 |
| | AHD-TR2 | Heavy-duty, low voltage control with 24-volt coil relay and 208V to 24V transformer primarily to be used with 208-, 240-, 480-, or 550-volt AUH-SA series, and all -M and -L series heaters. Time delay relay takes 45-60 seconds to close when energized. Not for use with AUH-520-SA and AUH-524-SA 3-phase heaters. | 1.0 |
| | AHD-R2 | Heavy-duty, 24-volt coil relay, 120-277V contacts for all AUH's except 520 and 524-SA three phase heaters. | 0.75 |

Portable Unit Heater Carts

Cart number HCUS fits 2.5 KW - 7.5 KW models

Cart number HCUL fits 10 KW - 20 KW models

Aitken Horizontal Unit Heaters

Specifications

| | 2.5, 3.3, 5 & 7.5 KW | 10, 12.5, 15 & 20 KW | 25, 30 40 & 50 KW |
|---|-------------------------|-------------------------|----------------------|
| A | 14" | 18" | 26" |
| B | 12-1/2" | 18" | 24" |
| C | 13-1/4" | 17-1/2" | 23-1/8" |
| D | 6-1/2" | 9-15/32" | 9-15/32" |
| E | 13" | * | 20" |
| F | 1-3/4" | 2" | 2" |
| G | 1-3/8" | 2-1/2" | 2-3/4" |
| H | 1-1/2" | 2-1/4" | 2-1/4" |
| J | 1/2", 3/4" (2) | 3/4", 1" (2) | 1", 1-1/2" (2) |
| K | 1/2" (1) | 1", 1-1/4", 1-1/2" (3) | 1", 1-1/2", 2" (3) |

