

# BGK AUTOMOTIVE PAINT REPAIR SOLUTIONS



*Full Range  
Electric Infrared  
Products Designed for the  
Automotive Industry*

Your Single Source For Proprietary & Proven Electric Infrared Products And Paint Line Solutions

## BGK AutoCure™



3000



5000



6000



8000

# Contents

Company Profile .....	2
Automotive User List .....	3
Model Number Matrix .....	6
AutoCure™ 3000// - Sill Heater .....	7
AutoCure™ 5000// - Portable Heater .....	11
AutoCure™ 6000/// - Overhead Heater .....	21
AutoCure™ 7000 - Side Mount Heater .....	29
AutoCure™ 8000 - Panel Heater .....	35
Controls .....	38
Effective Cure Area - High Bake .....	40
Effective Cure Area - Low Bake .....	41
BGK Product Surface Temperature Control Technology .....	42
Infrared Applications .....	43

## **BGK Finishing Systems**

4131 Pheasant Ridge Drive NE • Minneapolis, MN 55449  
(763) 784-0466 • (763) 784-1362 Fax • [bgk.com](http://bgk.com)

## ***Company Profile***

BGK designs, fabricates and installs electric infrared curing systems. These precision-engineered systems offer curing capabilities for a full range of coatings including liquid, powder, Teflon, wax, UV and adhesives. We are the leaders in designing and manufacturing systems to produce superior-coated finishes for domestic and international customers.

BGK offers focused solutions to a wide range of industrial curing and material handling needs. Our system advantages include reduced energy consumption, floor space, increased productivity and premier finished product quality. BGK also features turnkey system capabilities, process verification, customer service, installation, start-up and training.

### **BGK Products Manufactures...**

- Chain-On-Edge Conveyor Systems
- Infrared Booster Ovens
- Flatline Conveyor Systems
- Overhead Conveyor Systems
- Combination Systems
- Infrared Heater Modules
- Coil Coating Systems
- IR Smart Lab Oven
- Automotive Repair Ovens
- Automotive Portable Infrared Repair Arms
- Engineered Solutions
- Test Facilities



## **Automotive User List**

<b><u>Chrysler Corporation</u></b>	<b><u>Location</u></b>
Belvidere Assembly Plant	Belvidere, Illinois
Jefferson N. Assembly Plant	Detroit, Michigan
Saltillo Assembly Plant	Saltillo, Mexico
St. Louis Assembly Plant North	Fenton, Missouri
Sterling Heights Assembly Plant	Sterling Heights, Michigan
Toledo North Assembly Plant	Toledo, Ohio
Toledo South Assembly Plant	Toledo, Ohio
Jeep Stickney Assembly Plant	Toledo, Ohio
Toluca Assembly Plant	Toluca, Mexico
Windsor Assembly Plant	Windsor, Ontario, Canada
Chrysler Brampton Plant	Ontario, Canada
<b><u>Ford Motor Company</u></b>	<b><u>Location</u></b>
Avon Lake Assembly Plant	Avon Lake, Ohio
Camacari Brazil Assembly Plant	South America
Chicago Assembly Plant	Chicago, Illinois
Dearborn Truck Plant	Dearborn, Michigan
Kansas City Assembly Plant	Kansas City, Missouri
Kentucky Truck Plant	Louisville, Kentucky
Louisville Assembly Plant	Louisville, Kentucky
Michigan Assembly Plant	Wayne, Michigan
Ontario Truck Plant	Oakville, Ontario, Canada
South Hampton Assembly Plant	South Hampton, England, UK
Hermosillo Assembly Plant	Hermosillo, Mexico
<b><u>General Motors Corporation</u></b>	<b><u>Location</u></b>
AM General Assembly Plant (Hummer)	Mishawaka, Indiana
Argentina Assembly Plant	South America
Arlington Assembly Plant	Arlington, Texas
Bowling Green Assembly Plant	Bowling Green, Kentucky
Brazil Assembly Plant	South America
Delta Township Assembly Plant	Lansing, Michigan
Fairfax Assembly Plant	Kansas City, Kansas
Flint Assembly Plant	Flint, Michigan
Fort Wayne Assembly Plant	Fort Wayne, Indiana
GM Assembly Plant	India
Hamtramck Assembly Plant	Detroit, Michigan
Holden	Elizabeth, Australia
Jinbei General Motors	Jinbei, China
Lansing Assembly Plant	Lansing, Michigan
Lansing Grand River (GRAP)	Lansing, Michigan
Lordstown Assembly Plant	Warren, Ohio
Orion Assembly Plant	Lake Orion, Michigan
Oshawa Assembly Plant (two locations)	Oshawa, Ontario, Canada

**(cont.)**

## Automotive User List (cont.)

### **General Motors Corporation (cont.)**

	<b>Location</b>
Pontiac East Assembly Plant	Pontiac, Michigan
Pontiac Validation Center	Pontiac, Michigan
Ramos Assembly Plant	Ramos Arizpe, Mexico
San Luis Assembly Plant	San Luis, Mexico
Spring Hill Assembly	Spring Hill, Tennessee
Shanghai General Motors	Shanghai, China
Shreveport Assembly Plant	Shreveport, Louisiana
Silao Assembly Plant	Silao, Mexico
Toluca Assembly	Toluca, Mexico
Wentzville Assembly Plant	Wentzville, Missouri

### **Honda Motor Manufacturing**

	<b>Location</b>
Alabama Assembly Plant (two locations)	Lincoln, Alabama
Alliston Assembly Plant	Alliston, Ontario, Canada
East Liberty Plant	East Liberty, Ohio
Greensburg Assembly	Greensburg, Indiana
Marysville Assembly	Marysville, Ohio
Honda De Mexico	Mexico City, Mexico

### **Nissan**

	<b>Location</b>
Mississippi Assembly Plant	Canton, Mississippi
Smyrna Assembly Plant	Smyrna, Tennessee
Aguascalientes Assembly	Aguascalientes, Mexico

### **Toyota Motor Manufacturing**

	<b>Location</b>
Toyota Motor Manufacturing	Georgetown, Kentucky
Toyota Motor Manufacturing	San Antonio, Texas
Toyota Motor Manufacturing	Cambridge, Ontario, Canada
Toyota Motor Manufacturing	Princeton, Indiana
Toyota Motor Manufacturing	Tijuana, Mexico
Toyota Motor Manufacturing	Bluesprings, Kentucky
Toyota Motor Manufacturing	Woodstock, Ontario, Canada

### **Miscellaneous Assembly Plants**

	<b>Location</b>
Auto Alliance (Mazda)	Flat Rock, Michigan
BMW Manufacturing Corp.	Greer, South Carolina
Ferrari	Italy
Fiat	Italy
Hyundai Motor Manufacturing	Montgomery, Alabama
Mercedes Assembly Plant (two locations)	Vance, Alabama
Mitsubishi Motor Manufacturing	Normal, Illinois
Tesla	Freemont, California
Pinin Firina	Italy
Subaru of Indiana	Lafayette, Indiana
Volkswagon	Pueblo, Mexico
Kia	West Point, Georgia



# Model Number Matrix

## AutoCure™ Model Matrix

<b>AC</b>		<b>5</b>	<b>-</b>	<b>4</b>	<b>2</b>	<b>38</b>	<b>-</b>	<b>480</b>	<b>-</b>	<b>S</b>
<b>AutoCure</b>										
<b>Type</b>										
3	Sill Heater									
5	Portable									
6	Overhead									
7	Side Mount									
8	Panel Heater									
<b># of Lamps/Heater</b>										
2										
4										
<b># of Heaters</b>										
1										
2										
3										
<b>Lighted Length of Lamp (Inches)</b>										
10	(1000W/240V)									
16	(1600W/240V)									
25	(2500W/480V)									
38	(3800W/570V)									
59	(5000W/480V)									
<b>Voltage</b>										
208	415									
240	480									
380	575									
<b>Configuration</b>										
CR	Car									
ST	SUV/Truck									
CT	Commercial Truck									
<b>Special</b>										

## **AutoCure™ 3000II - Sill Heater**

The AutoCure™ 3000II Sill Heater provides energy in the infrared spectrum through the use of specially designed emitters and reflectors. This unit is engineered specifically to dry door frames, rocker panels and other hard-to-reach areas. The Sill Heater incorporates the BGK product surface temperature control technology for process accuracy and consistency; and are completely wired, tested and built to industry acceptable standards.

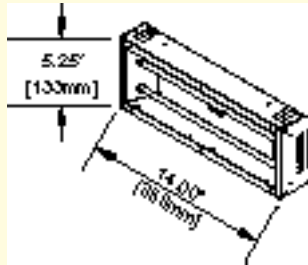
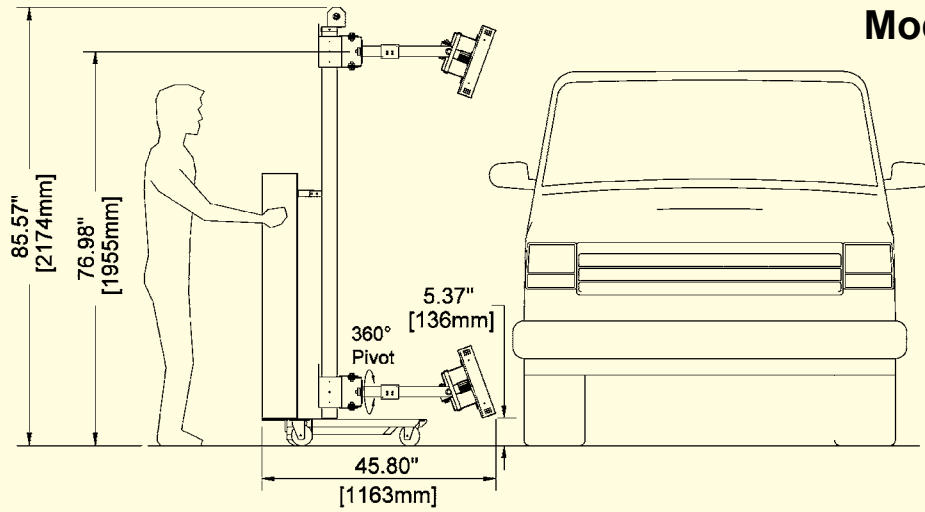
- Primary features are:
- Accurate to  $\pm 5^{\circ}\text{F}$
- Automatic product surface temperature control
- Automatic timed heat cycle
- Cycle-time-remaining display
- Automatic shut-off
- Heater remains in place without locking handles
- Locking mechanism to maintain position
- Single or dual temperature setpoint capability
- Heating range to  $400^{\circ}\text{F}$  ( $204^{\circ}\text{C}$ )





# AutoCure™ 3000II - Sill Heater

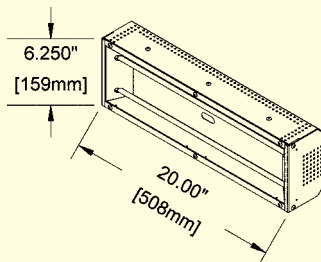
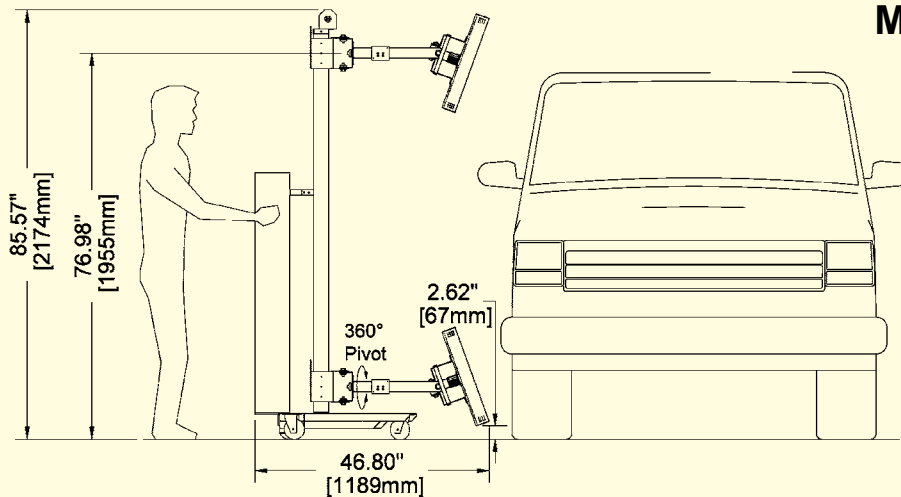
## Model 2110



Connected Voltage    kW    Single Phase Amps

240	2.00	8.33
380	1.40	3.67
415	1.60	3.85
480	2.00	4.17
575	2.64	4.59

## Model 2116



Connected Voltage    kW    Single Phase Amps

240	3.20	13.33
380	2.23	5.88
415	2.56	6.16
480	3.20	6.67
575	4.23	7.35





## **AutoCure™ 5000II - Portable Heater**

The AutoCure™5000II Portable Heater provides energy in the infrared spectrum through the use of specially designed emitters and reflectors. This unit is engineered specifically to dry spot repairs and is available in a variety of heater sizes. The Portable Heater incorporates the BGK product surface temperature control technology for process accuracy and consistency; and are completely wired, tested and built to industry acceptable standards.

Primary features are:

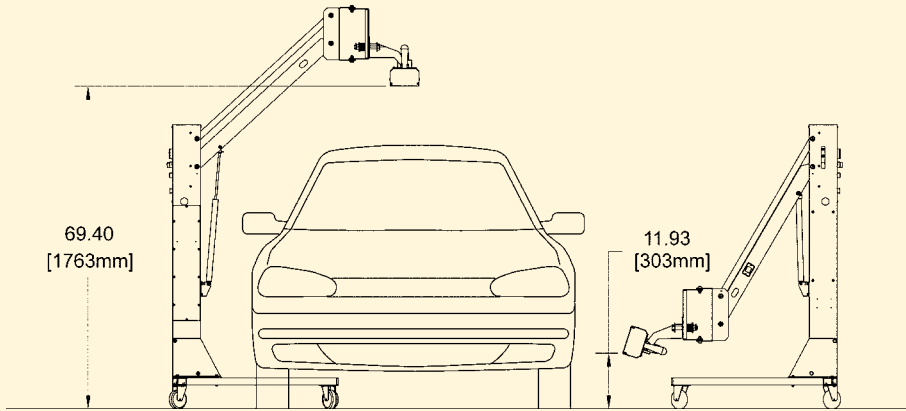
- Accurate to  $\pm 5^{\circ}\text{F}$
- Automatic product surface temperature control
- Automatic timed heat cycle
- Cycle-time-remaining display
- Automatic shut-off
- Heater remains in place without locking handles
- Locking wheels to maintain position
- Single or dual temperature setpoint capability
- Heating range to  $400^{\circ}\text{F}$  ( $204^{\circ}\text{C}$ )



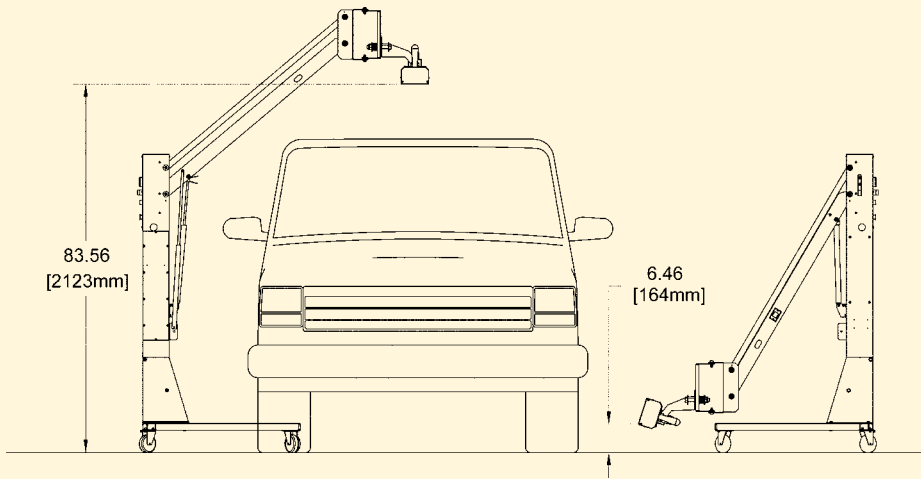
# AutoCure™ 5000II - Portable Heater

## Model 2116

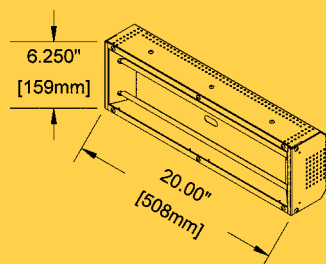
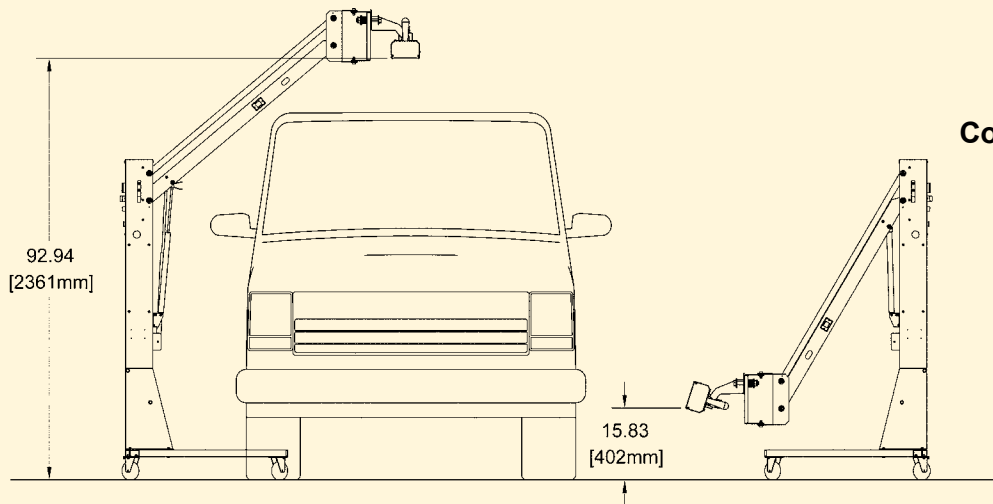
### Car



### SUV • Truck



### Commercial Truck

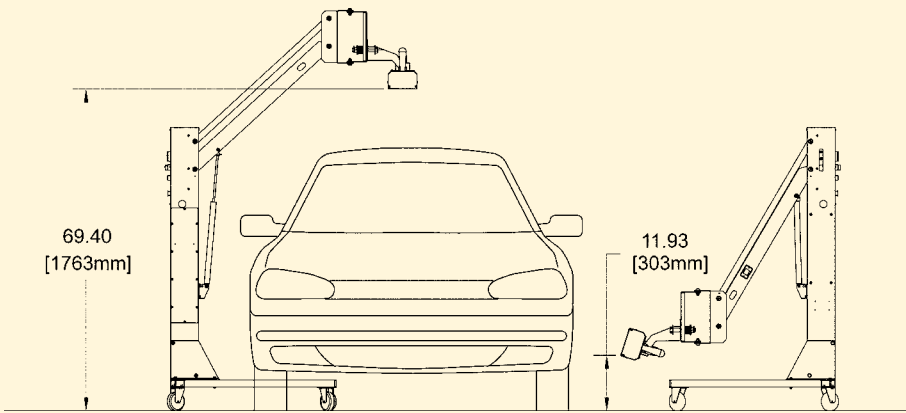


Connected Voltage	kW	Single Phase Amps
240	3.20	13.33
380	2.23	5.88
415	2.56	6.16
480	3.20	6.67
575	4.23	7.35

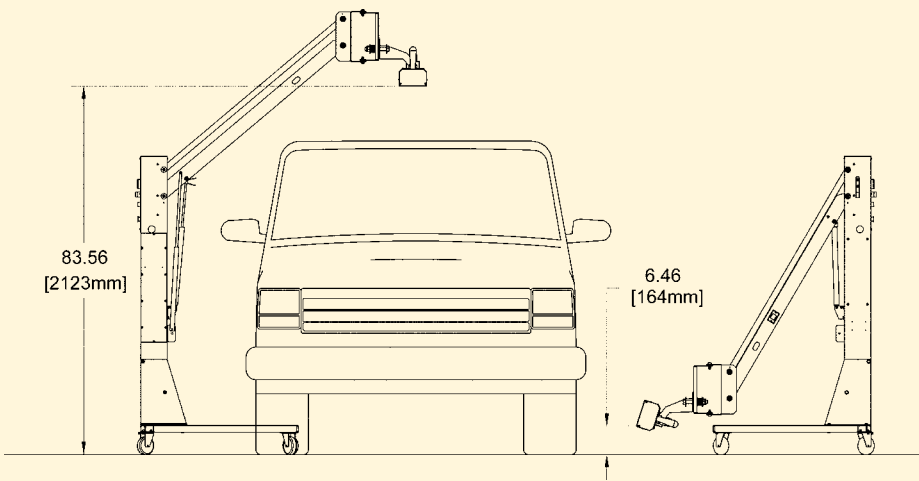
# AutoCure™ 5000II - Portable Heater

## Model 2125

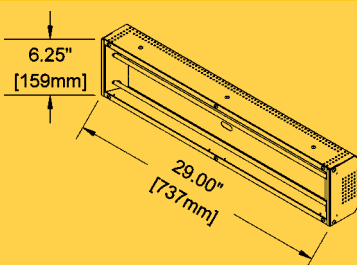
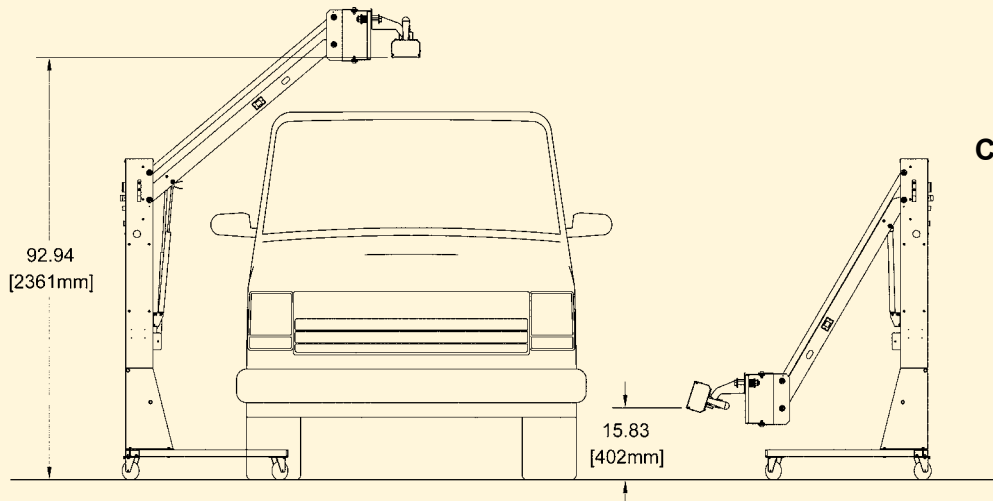
Car



SUV • Truck



Commercial  
Truck

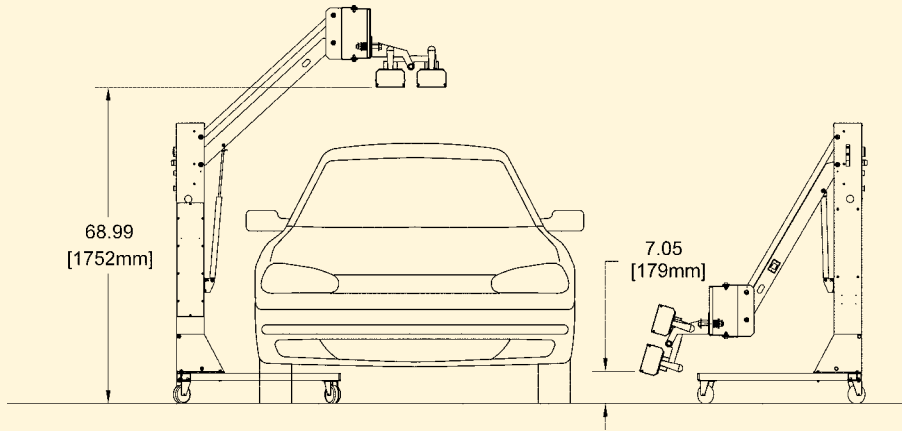


Connected Voltage	kW	Single Phase Amps
240	1.72	7.16
380	3.49	9.18
415	4.00	9.63
480	5.00	10.42
575	6.60	11.48

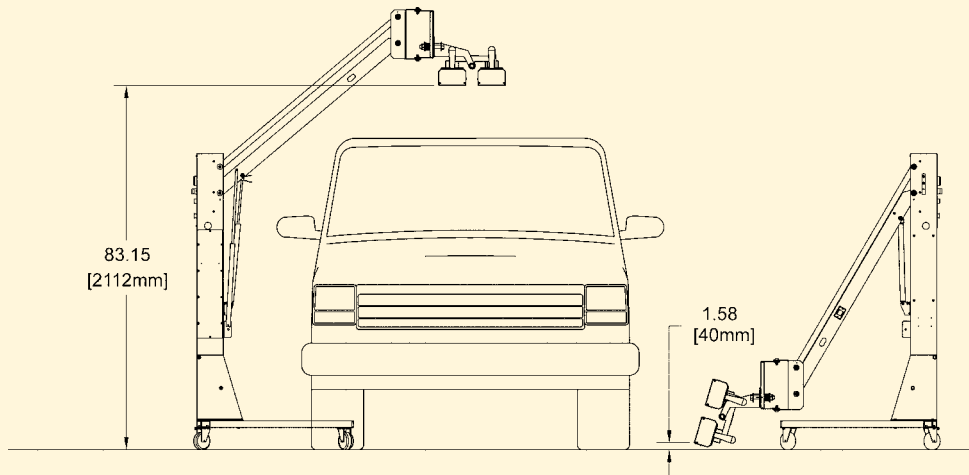
# AutoCure™ 5000II - Portable Heater

**Model 2216**

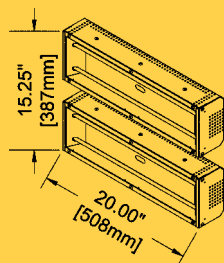
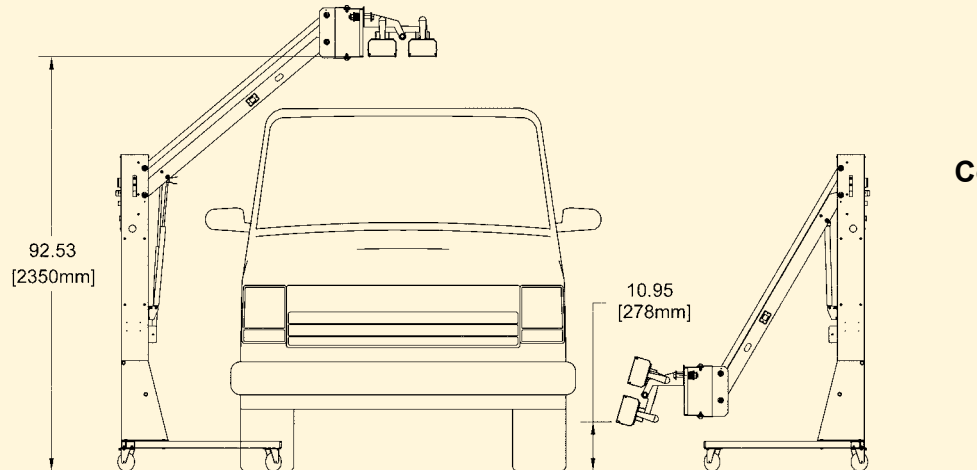
**Car**



**SUV • Truck**



**Commercial Truck**

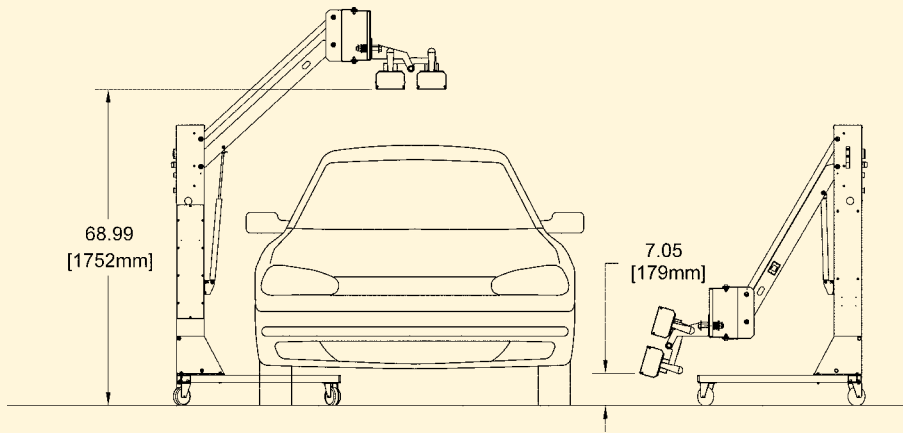


**Connected Voltage   kW   Single Phase Amps**

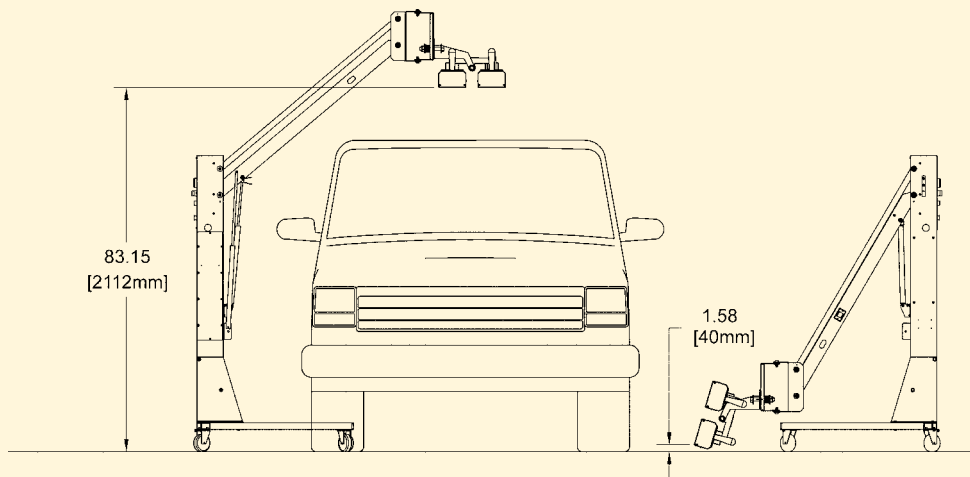
240	6.40	26.67
380	4.47	11.75
415	5.12	12.33
480	6.40	13.33
575	8.45	14.70

# AutoCure™ 5000II - Portable Heater

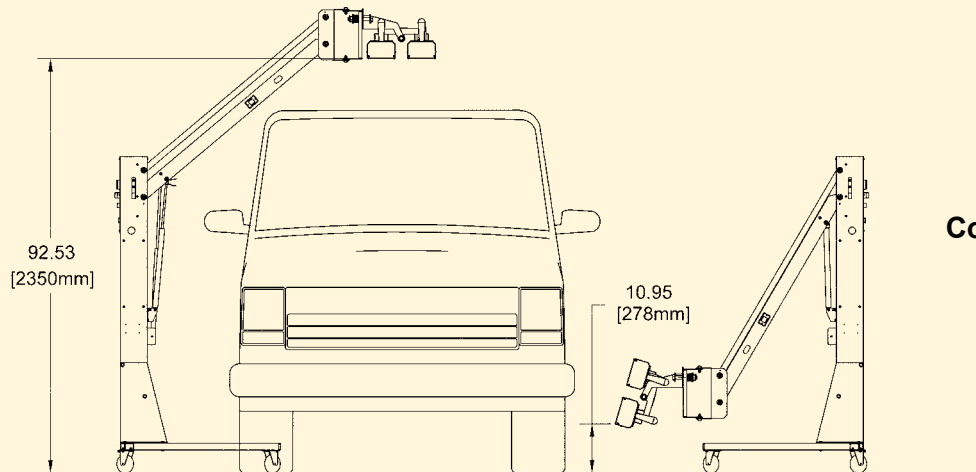
**Model 2225**



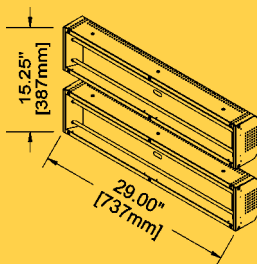
**Car**



**SUV • Truck**



**Commercial Truck**



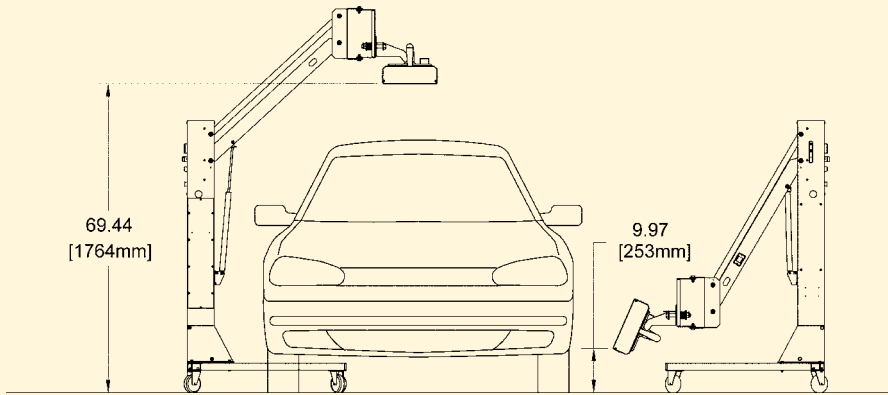
**Connected Voltage   kW   Single Phase Amps**

240	3.44	14.33
380	6.98	18.36
415	7.99	19.26
480	10.00	20.83
575	13.21	22.97

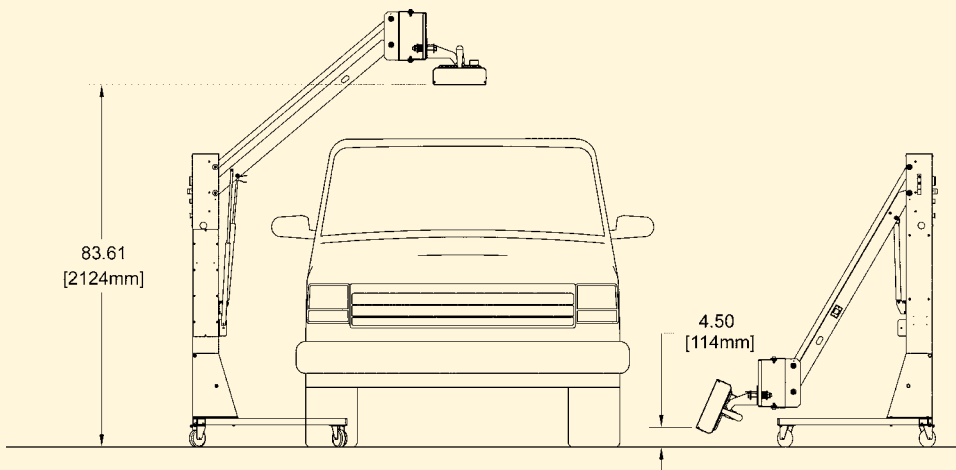


# AutoCure™ 5000II - Portable Heater

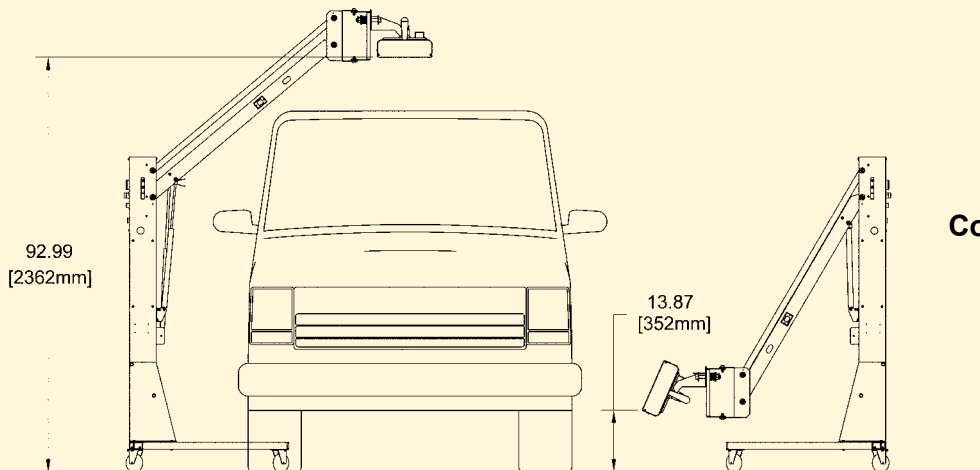
**Model 4125**



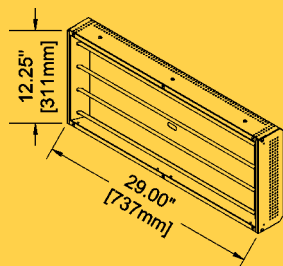
**Car**



**SUV • Truck**



**Commercial Truck**

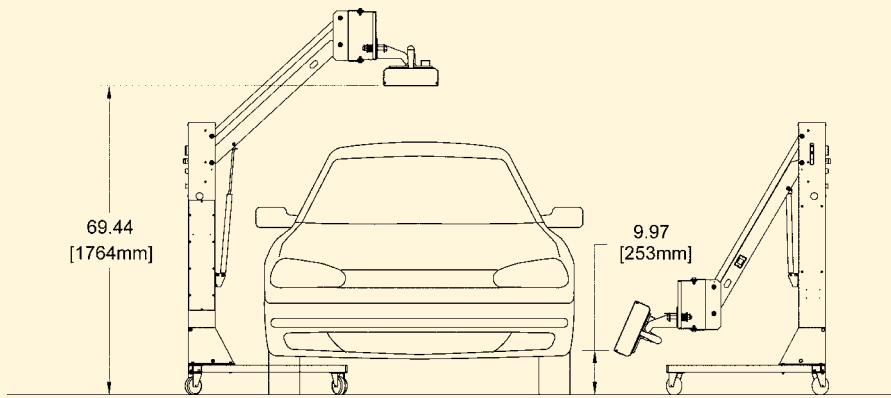


**Connected Voltage   kW   Single Phase Amps**

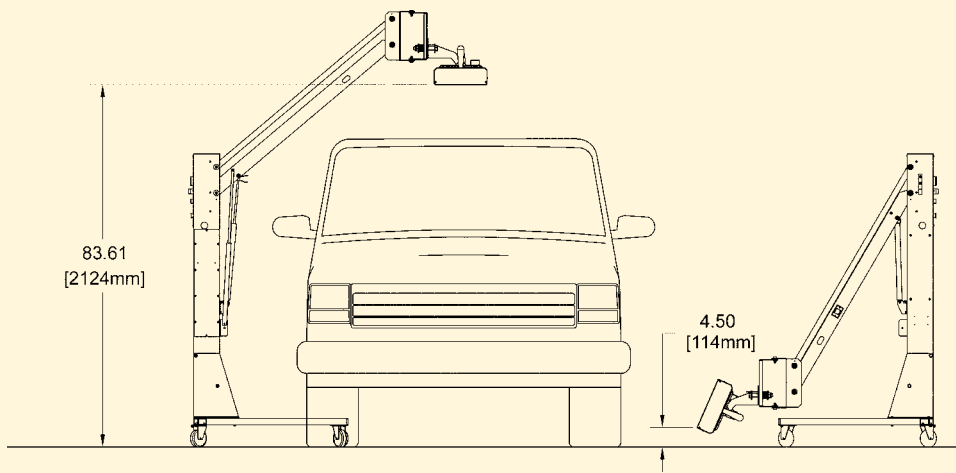
240	3.44	14.33
380	6.98	18.36
415	7.99	19.26
480	10.00	20.83
575	13.21	22.97

# AutoCure™ 5000II - Portable Heater

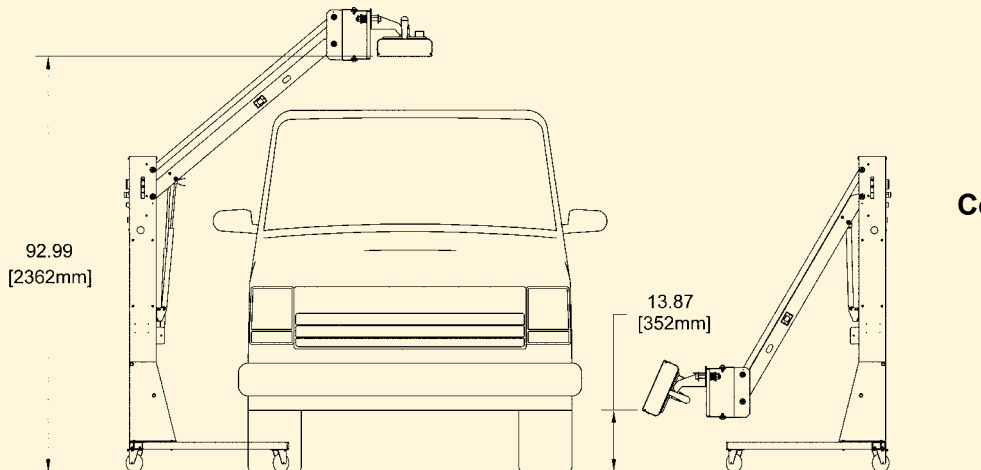
**Model 4138**



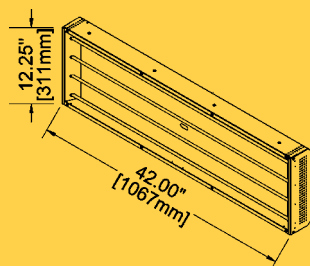
**Car**



**SUV • Truck**



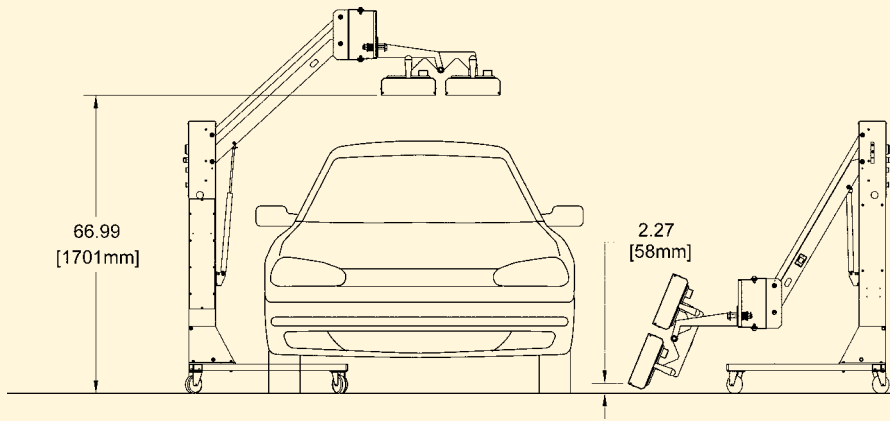
**Commercial Truck**



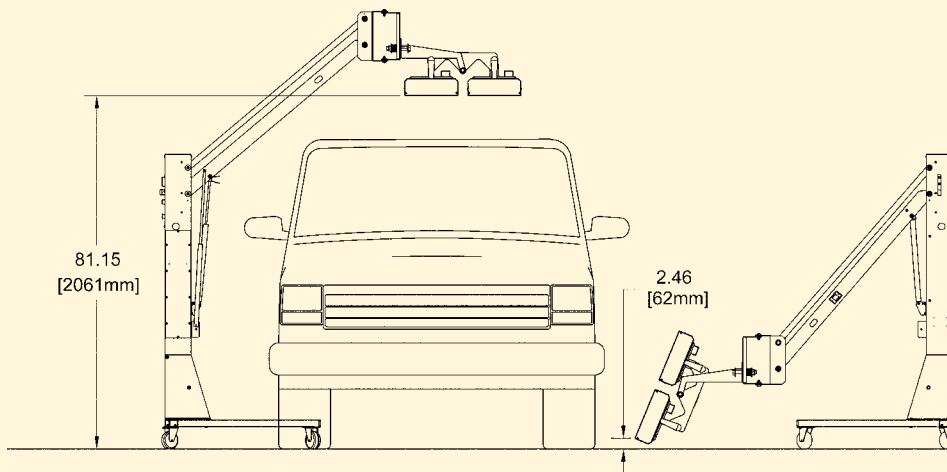
Connected Voltage	kW	Single Phase Amps
240	4.01	16.72
380	8.14	21.42
415	9.32	22.47
480	11.67	24.30
575	15.41	26.79

# AutoCure™ 5000II - Portable Heater

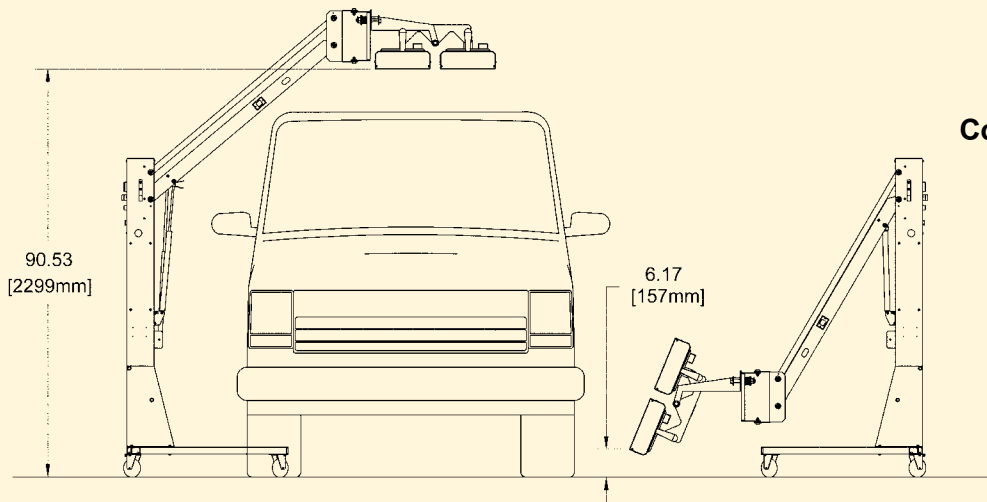
## Model 4225



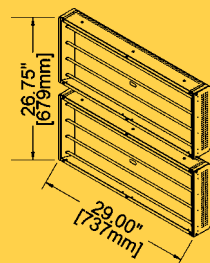
Car



SUV • Truck



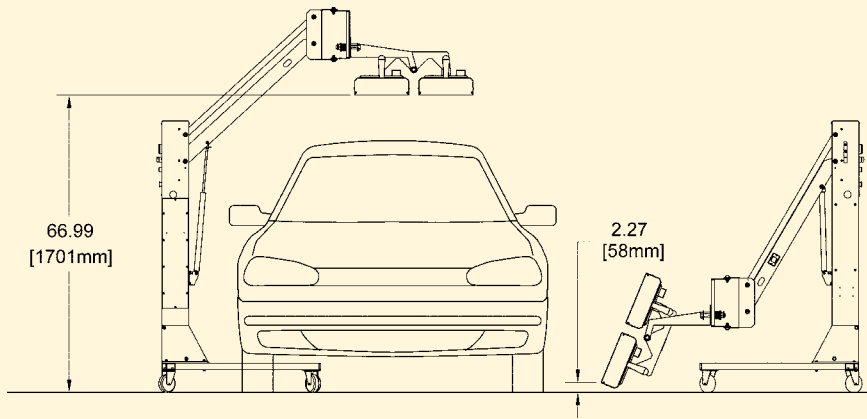
Commercial Truck



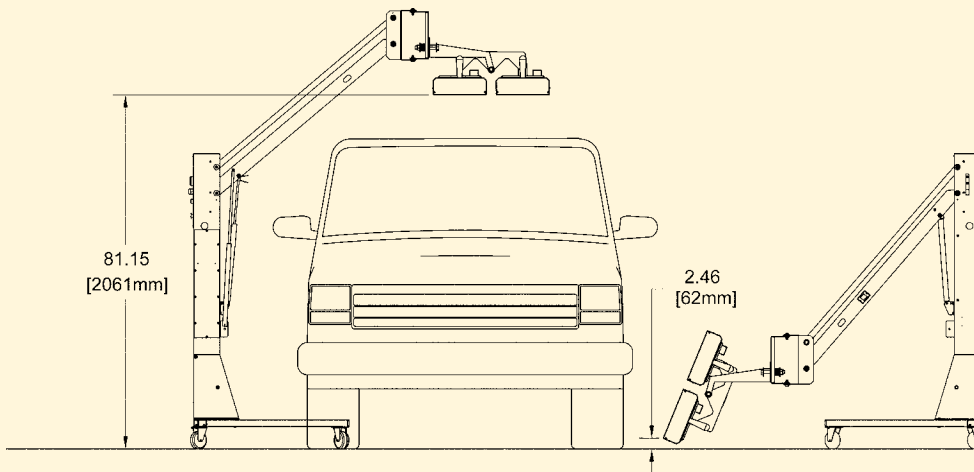
Low Bake Option		Connected Voltage	kW	Single Phase Amps
kW	Amps			
		240	6.88	28.66
4.80	12.63	380	13.96	36.73
5.50	13.25	415	15.98	38.52
6.88	14.33	480	20.00	41.67
9.08	15.80	575	26.41	45.93

# AutoCure™ 5000II - Portable Heater

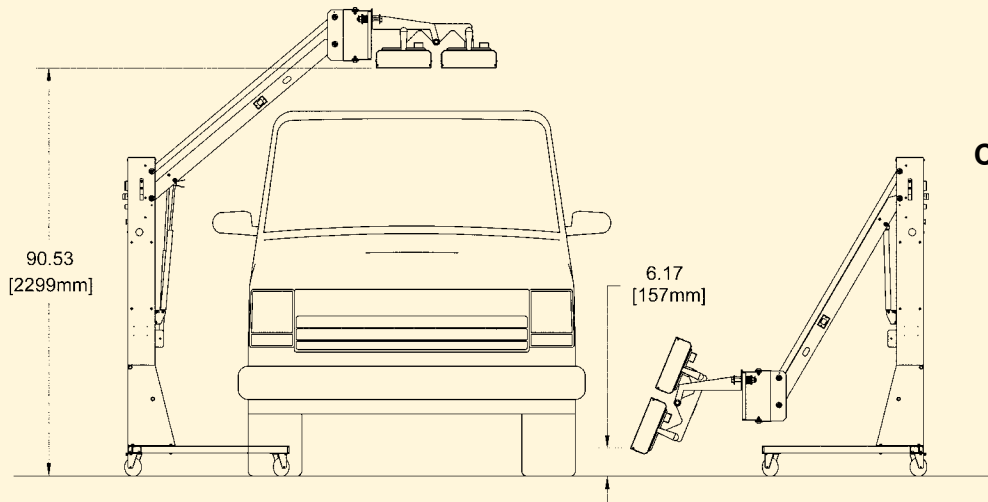
**Model 4238**



**Car**

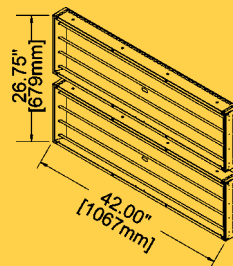


**SUV • Truck**



**Commercial Truck**

Connected Voltage	kW	Single Phase Amps	Low Bake Option	
			kW	Amps
240	8.02	33.43		
380	16.28	42.85	5.60	14.73
415	18.25	44.93	6.41	15.45
480	23.33	48.61	8.02	16.72
575	30.81	53.59	10.60	18.43





## ***AutoCure™ 6000III - Overhead Heater***



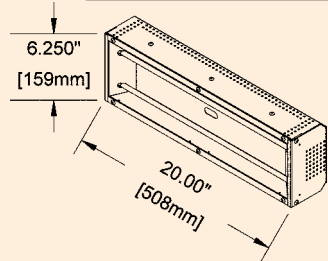
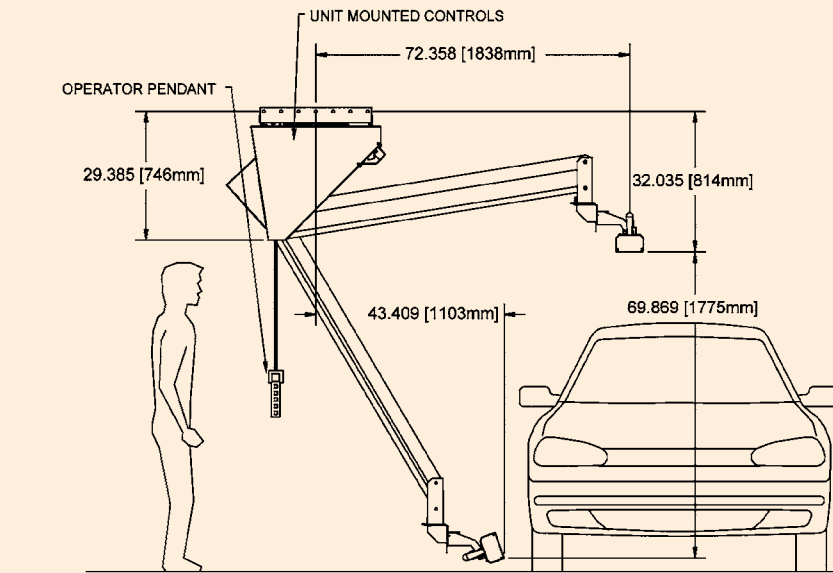
The AutoCure™6000 Overhead Heater provides energy in the infrared spectrum through the use of specially designed emitters and reflectors. This unit is engineered specifically to be mounted to an XY overhead gantry system. The Overhead Heater incorporates the BGK product surface temperature control technology for process accuracy and consistency; and are completely wired, tested and built to industry acceptable standards. For ergonomic reasons, we have included an Electric Linear Actuator that allows the Operator to raise and lower the Heater with a pendant that contains up, down, cycle start, positioning beam, and a stop button.

Primary features are:

- Accurate to  $\pm 5^{\circ}\text{F}$
- Automatic product surface temperature control
- Single or dual ramp and hold capability
- Cycle-time-remaining display
- Automatic shut-off
- Heater remains in place without locking handles
- Power assisted for raising and lowering
- Heating range to  $400^{\circ}\text{F}$  ( $204^{\circ}\text{C}$ )

# AutoCure™ 6000III - Overhead Heater

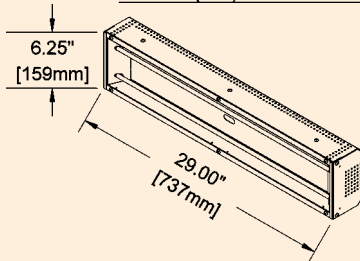
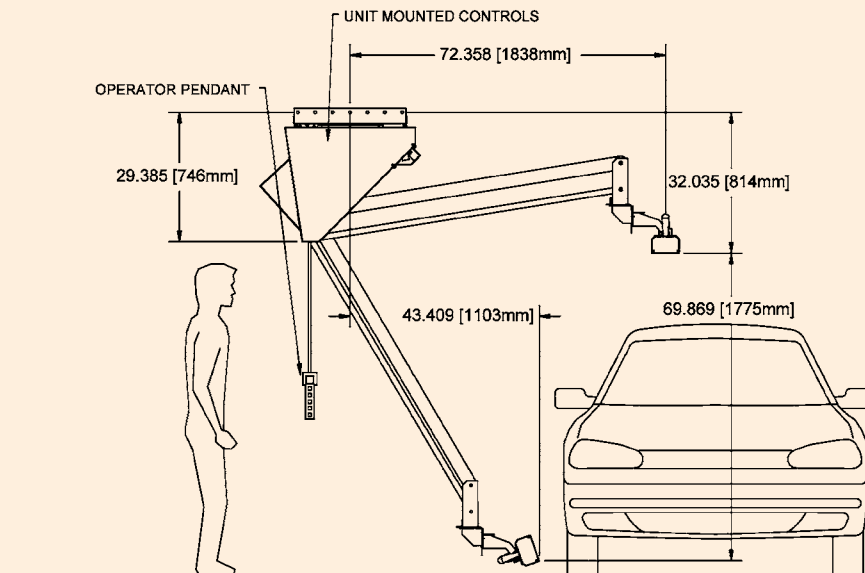
## Model 2116



Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	3.20	13.33
380	2.23	5.88
415	2.56	6.16
480	3.20	6.67
575	4.23	7.35

## Model 2125

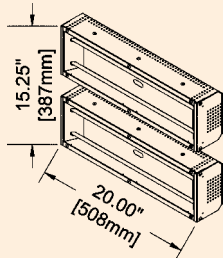
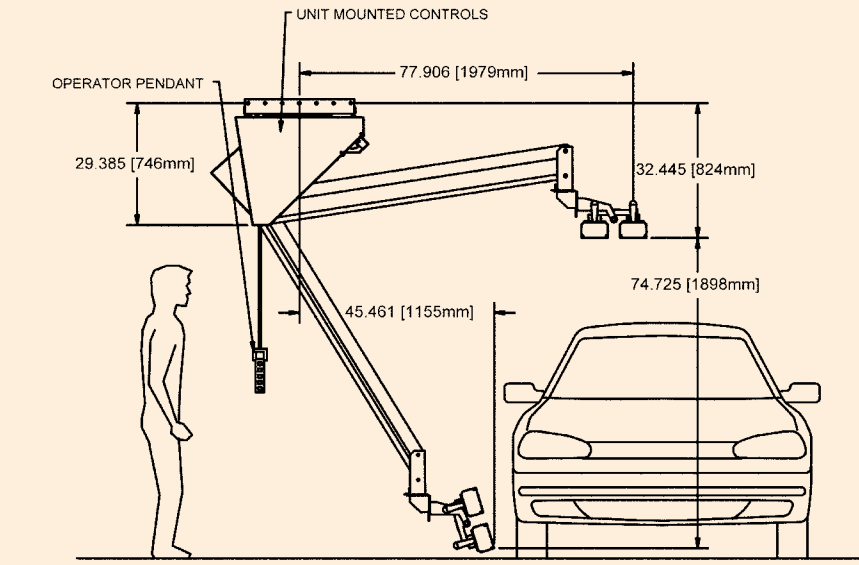


Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	1.72	7.16
380	3.49	9.18
415	4.00	9.63
480	5.00	10.42
575	6.60	11.48

# AutoCure™ 6000III - Overhead Heater

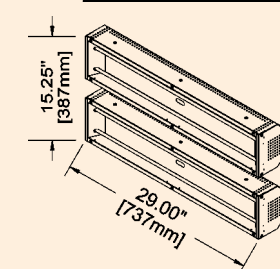
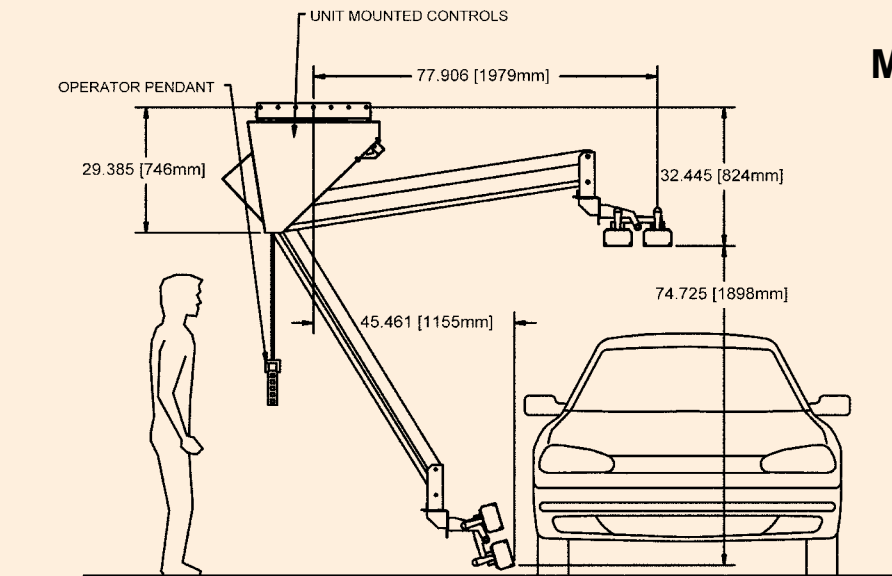
## Model 2216



Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	6.40	26.67
380	4.47	11.75
415	5.12	12.33
480	6.40	13.33
575	8.45	14.70

## Model 2225



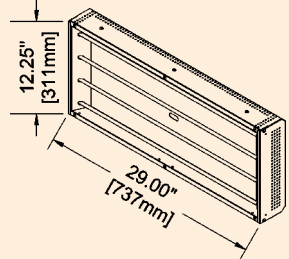
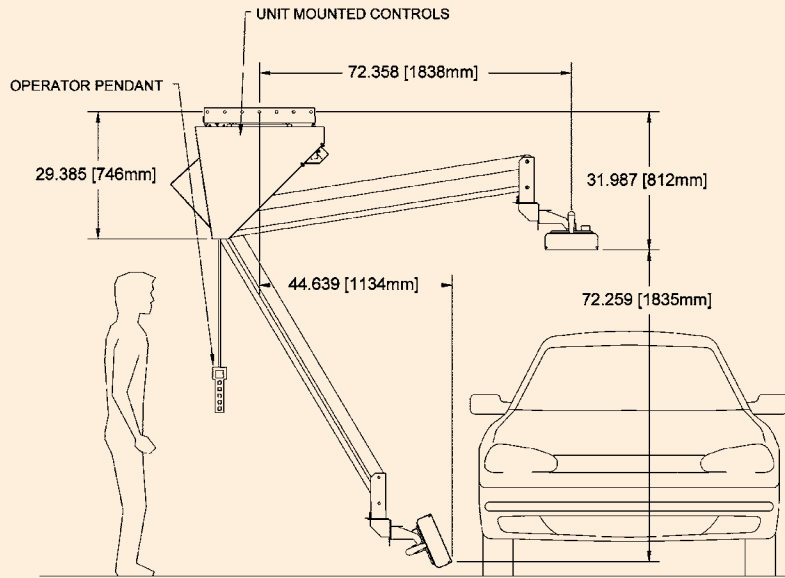
Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	3.44	14.33
380	6.98	18.36
415	7.99	19.26
480	10.00	20.83
575	13.21	22.97



# AutoCure™ 6000III - Overhead Heater

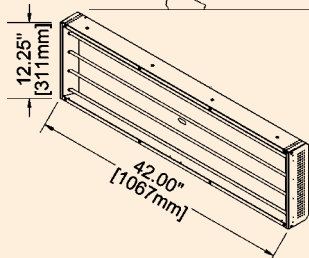
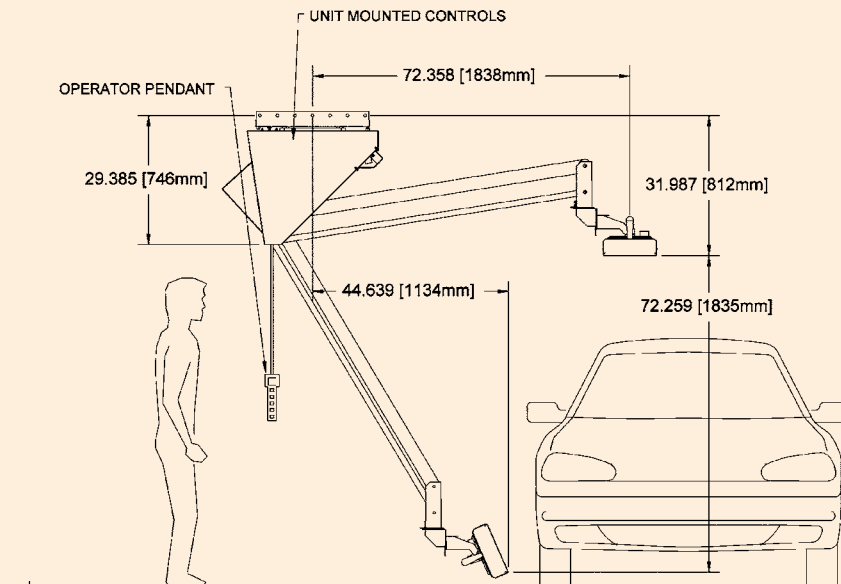
## Model 4125



Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	3.44	14.33
380	6.98	18.36
415	7.99	19.26
480	10.00	20.83
575	13.21	22.97

## Model 4138

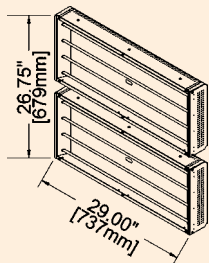
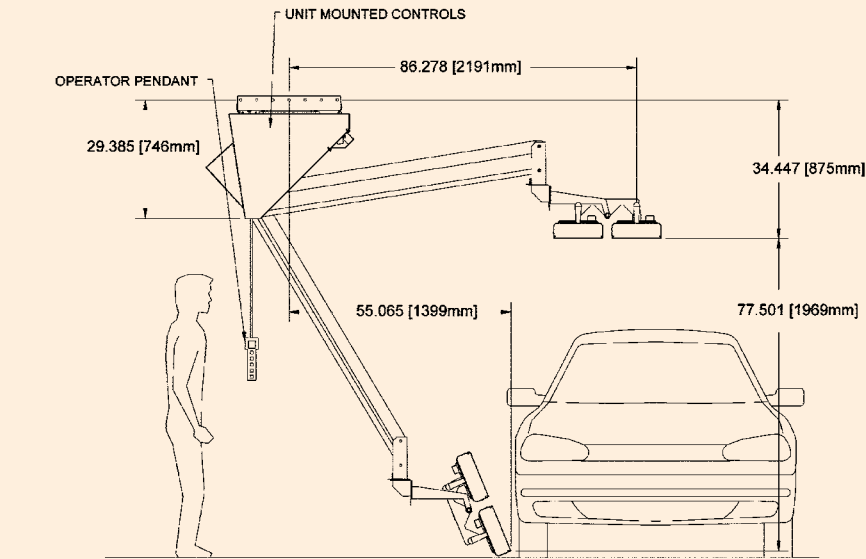


Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	4.01	16.72
380	8.14	21.42
415	9.32	22.47
480	11.67	24.30
575	15.41	26.79

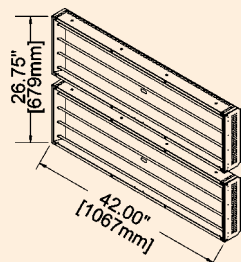
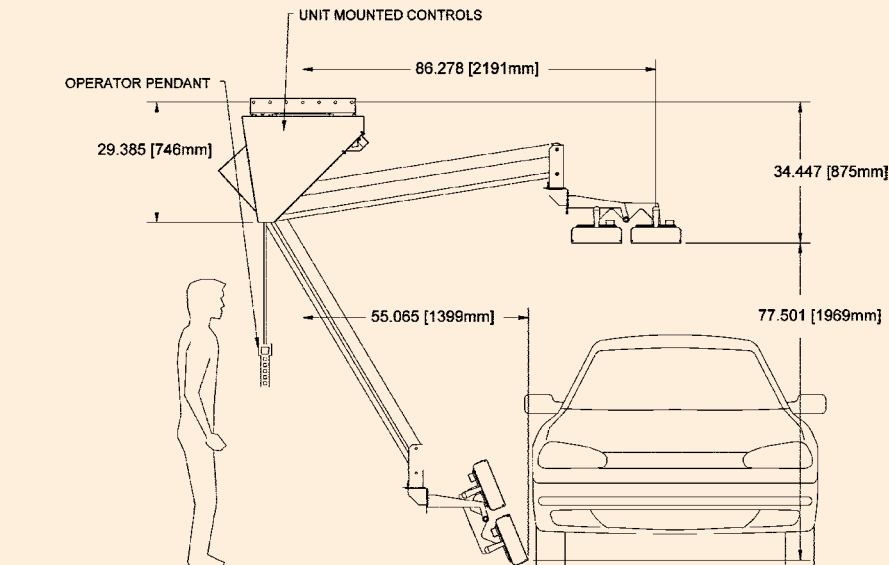
# AutoCure™ 6000III - Overhead Heater

## Model 4225



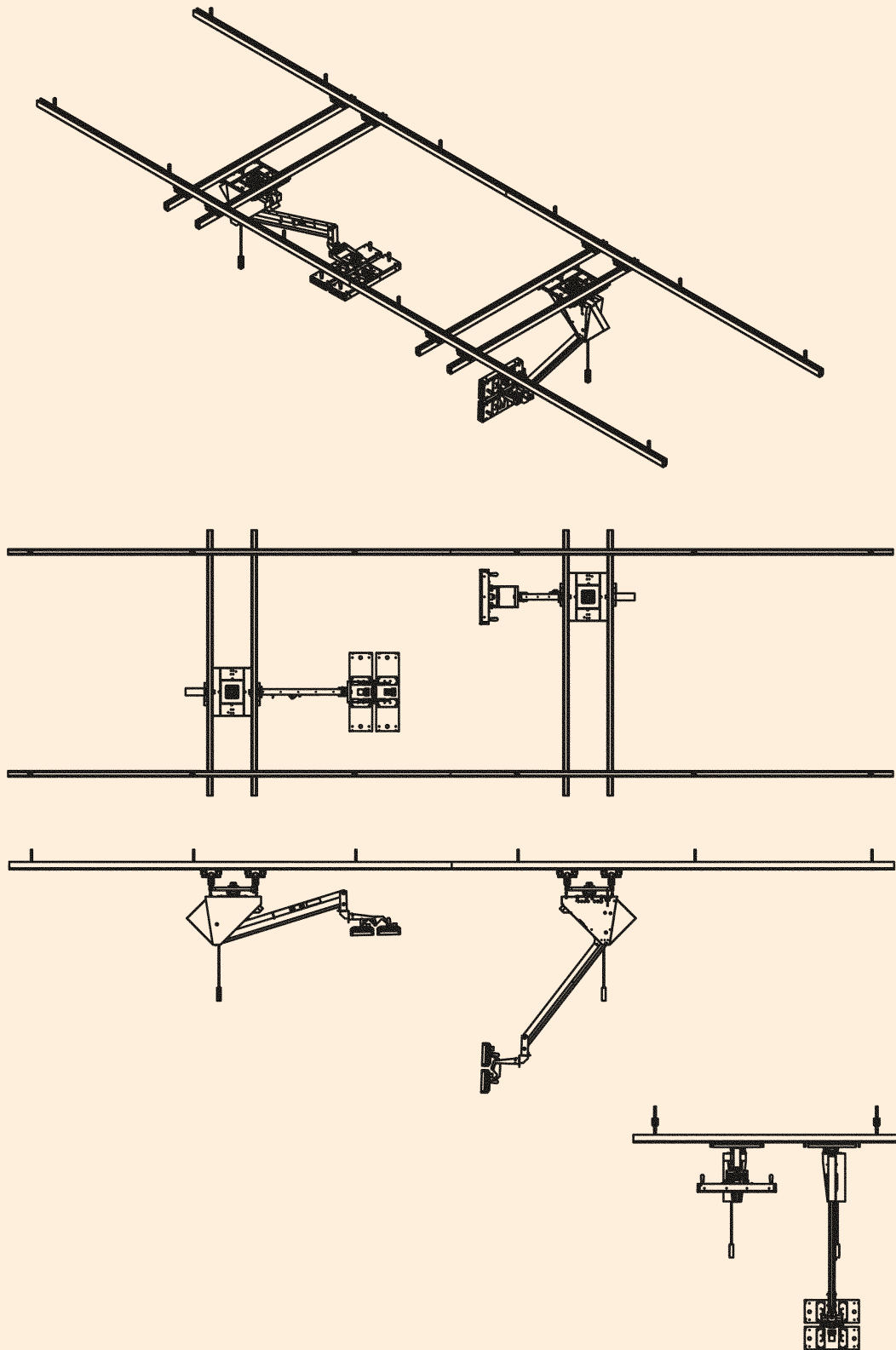
Connected Voltage	kW	Single Phase Amps	Low Bake Option	
			kW	Amps
240	6.88	28.66		
380	13.96	36.73	4.80	12.63
415	15.98	38.52	5.50	13.25
480	20.00	41.67	6.88	14.33
575	26.41	45.93	9.08	15.80

## Model 4238



Connected Voltage	kW	Single Phase Amps	Low Bake Option	
			kW	Amps
240	8.02	33.43		
380	16.28	42.85	5.60	14.73
415	18.25	44.93	6.41	15.45
480	23.33	48.61	8.02	16.72
575	30.81	53.59	10.60	18.43

# AutoCure™ 6000III - Overhead Heater



## ***AutoCure™ 6000III - Overhead Heater***





## ***AutoCure™ 7000 - Side Mount Heater***

The AutoCure™ 7000 Side Mount Heater provides energy in the infrared spectrum through the use of specially designed emitters and reflectors. This unit is engineered specifically to be mounted to a booth or wall when ceiling clearance is minimal. The Side Mount Heater incorporates ITW BGK patented control technology for process accuracy and consistency; and are completely wired, tested and built to industry acceptable standards.

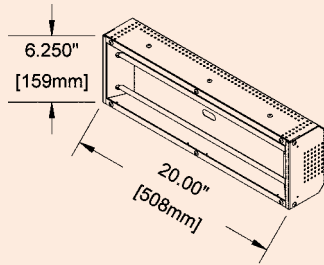
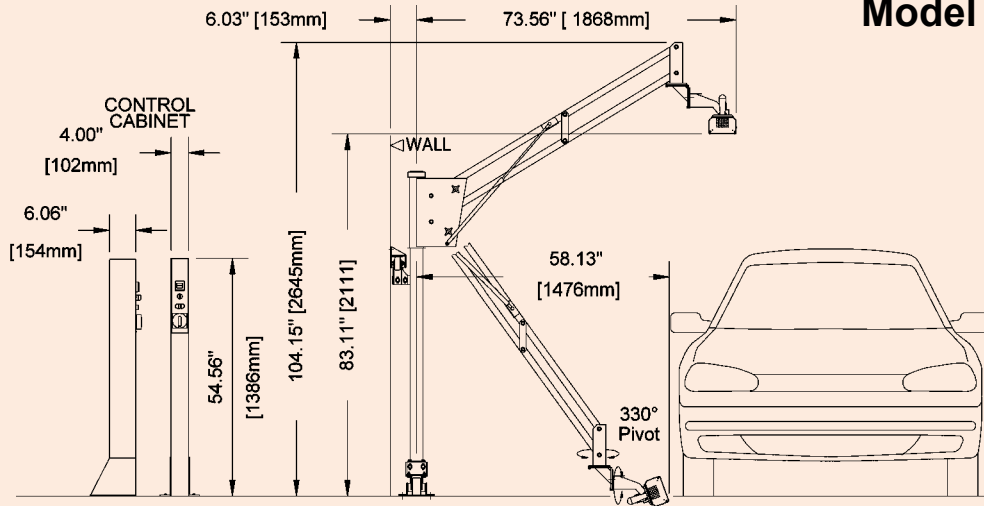
Primary features are:

- Accurate to  $\pm 5^{\circ}\text{F}$
- Automatic control
- Automatic timed heat cycle
- Cycle-time-remaining display
- Automatic shut-off
- Heater remains in place without locking handles
- Single or dual temperature setpoint capability
- Heating range to  $400^{\circ}\text{F}$  ( $204^{\circ}\text{C}$ )



# AutoCure™ 7000 - Side Mount Heater

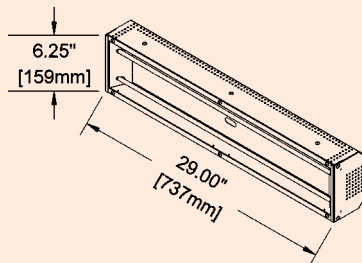
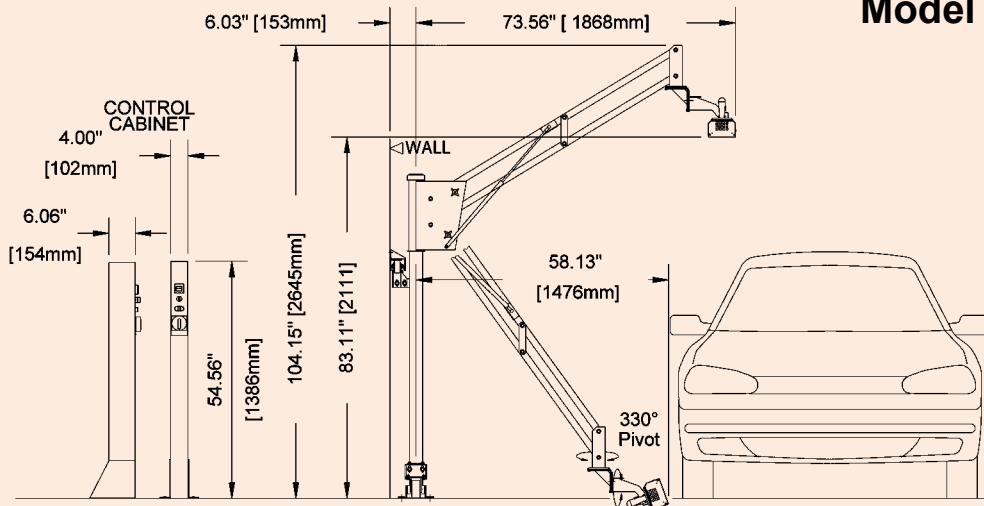
## Model 2116



Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	3.20	13.33
380	2.23	5.88
415	2.56	6.16
480	3.20	6.67
575	4.23	7.35

## Model 2125

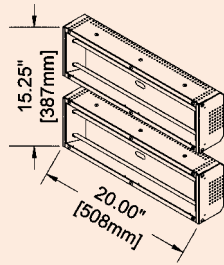
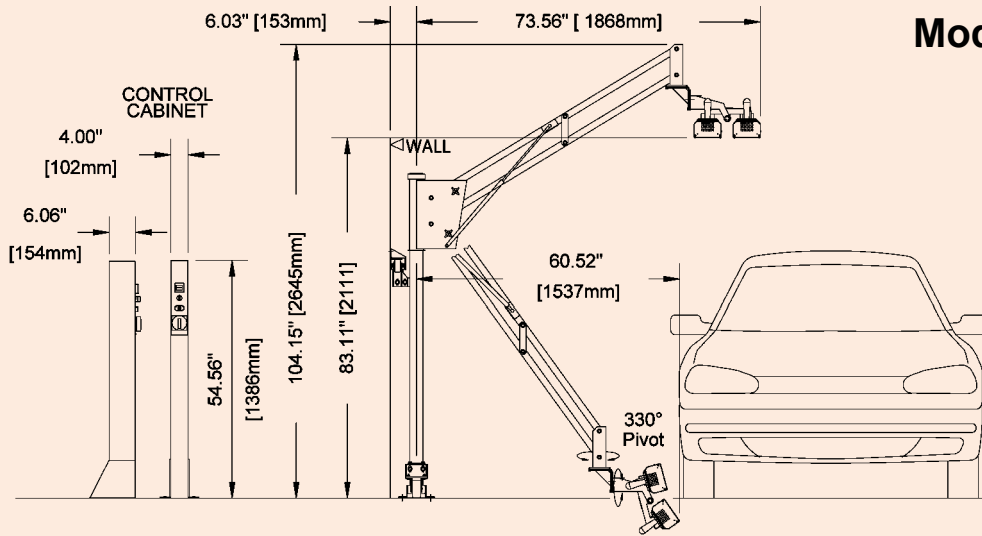


Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	1.72	7.16
380	3.49	9.18
415	4.00	9.63
480	5.00	10.42
575	6.60	11.48

# AutoCure™ 7000 - Side Mount Heater

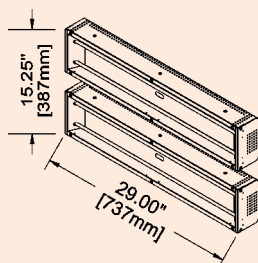
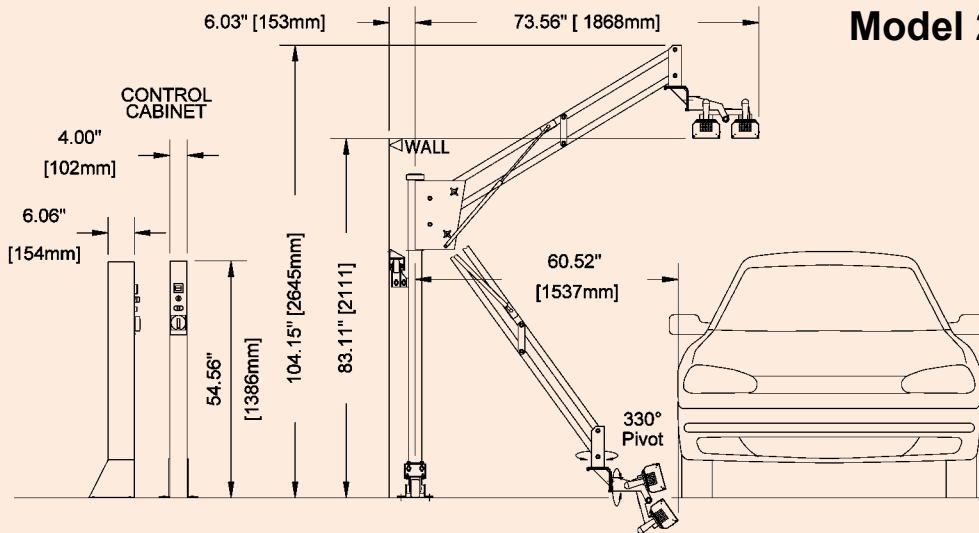
## Model 2216



Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	6.40	26.67
380	4.47	11.75
415	5.12	12.33
480	6.40	13.33
575	8.45	14.70

## Model 2225



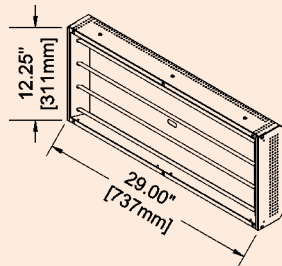
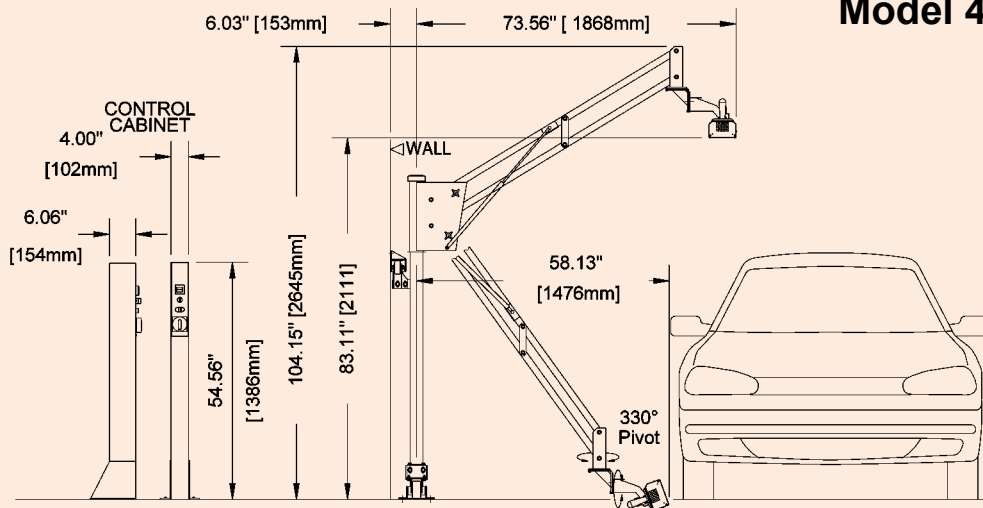
Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	3.44	14.33
380	6.98	18.36
415	7.99	19.26
480	10.00	20.83
575	13.21	22.97



# AutoCure™ 7000 - Side Mount Heater

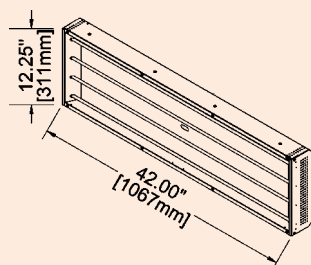
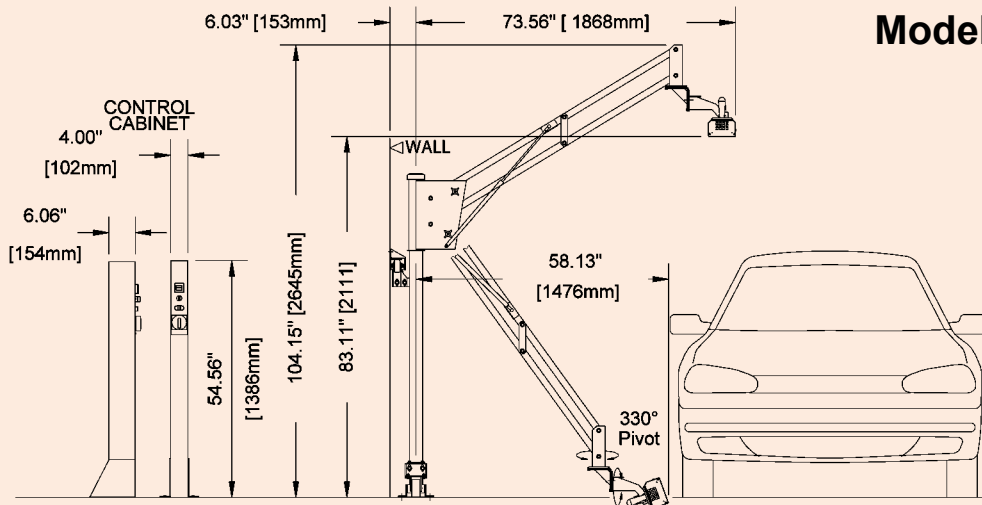
## Model 4125



Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	3.44	14.33
380	6.98	18.36
415	7.99	19.26
480	10.00	20.83
575	13.21	22.97

## Model 4138

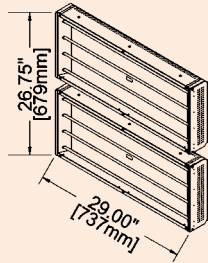
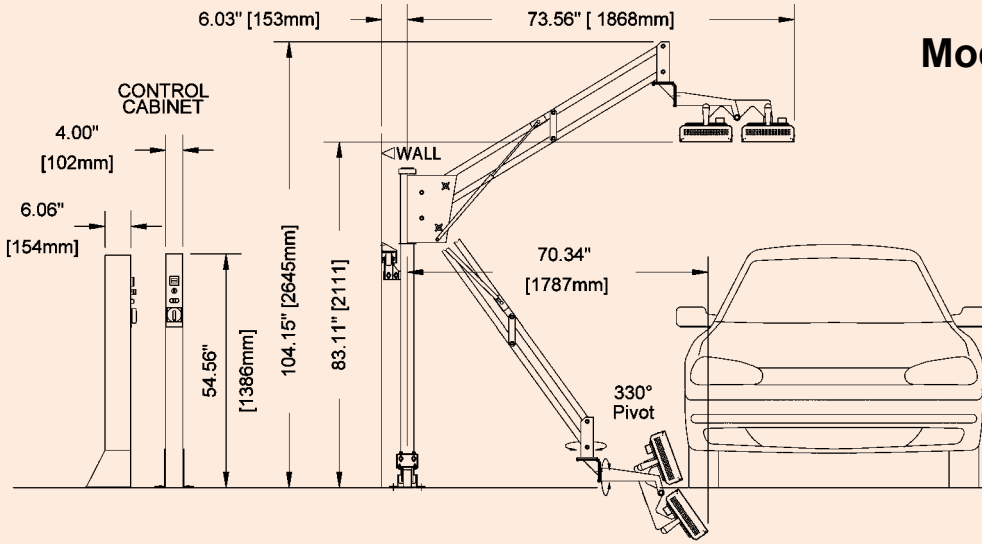


Connected Voltage kW Single Phase Amps

Connected Voltage	kW	Single Phase Amps
240	4.01	16.72
380	8.14	21.42
415	9.32	22.47
480	11.67	24.30
575	15.41	26.79

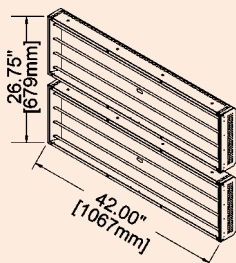
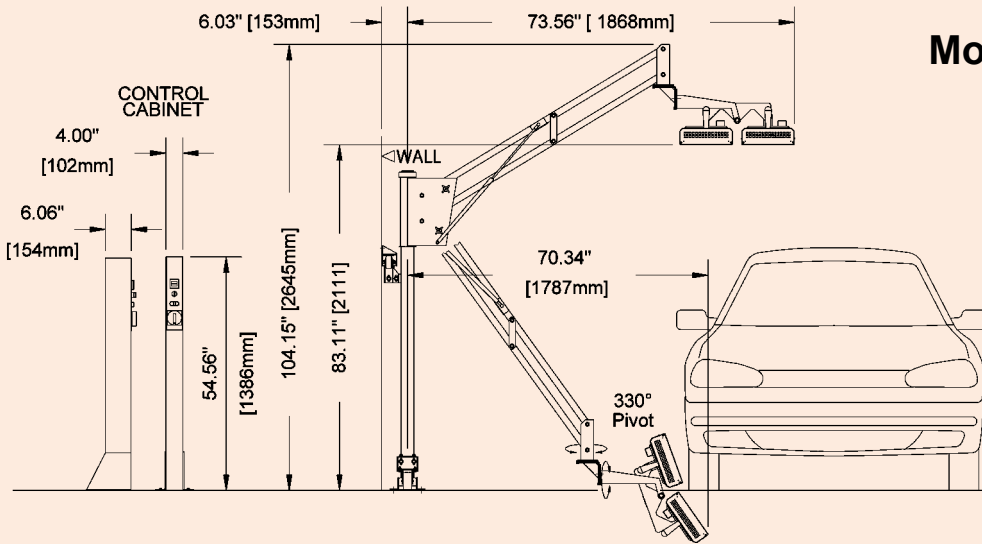
# AutoCure™ 7000 - Side Mount Heater

## Model 4225



Connected Voltage	kW	Single Phase Amps	Low Bake Option	
			kW	Amps
240	6.88	28.66		
380	13.96	36.73	4.80	12.63
415	15.98	38.52	5.50	13.25
480	20.00	41.67	6.88	14.33
575	26.41	45.93	9.08	15.80

## Model 4238



Connected Voltage	kW	Single Phase Amps	Low Bake Option	
			kW	Amps
240	8.02	33.43		
380	16.28	42.85	5.60	14.73
415	18.25	44.93	6.41	15.45
480	23.33	48.61	8.02	16.72
575	30.81	53.59	10.60	18.43



## *AutoCure™ 8000 - Panel Heater*

The AutoCure™8000 Panel Heater provides energy in the infrared spectrum through the use of specially designed emitters and reflectors. This unit is engineered specifically to dry complete panel sections. The Panel Heater incorporates the BGK product surface temperature control technology for process accuracy and consistency; and are completely wired, tested and built to industry acceptable standards.

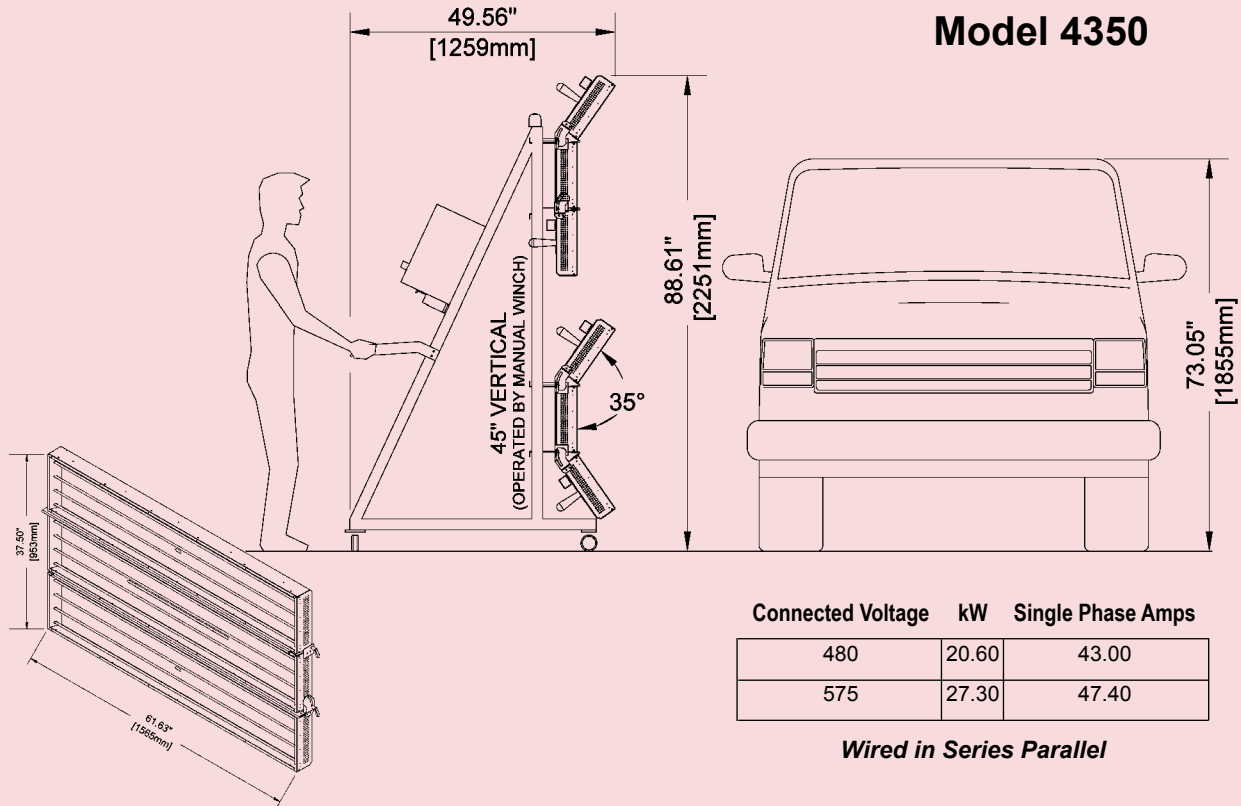
Primary features are:

- Accurate to  $\pm 5^{\circ}\text{F}$
- Automatic product surface temperature control
- Automatic timed heat cycle
- Cycle-time-remaining display
- Automatic shut-off
- Heater remains in place without locking handles
- Locking wheels to maintain position
- Single or dual temperature setpoint capability
- Heating range to  $400^{\circ}\text{F}$  ( $204^{\circ}\text{C}$ )

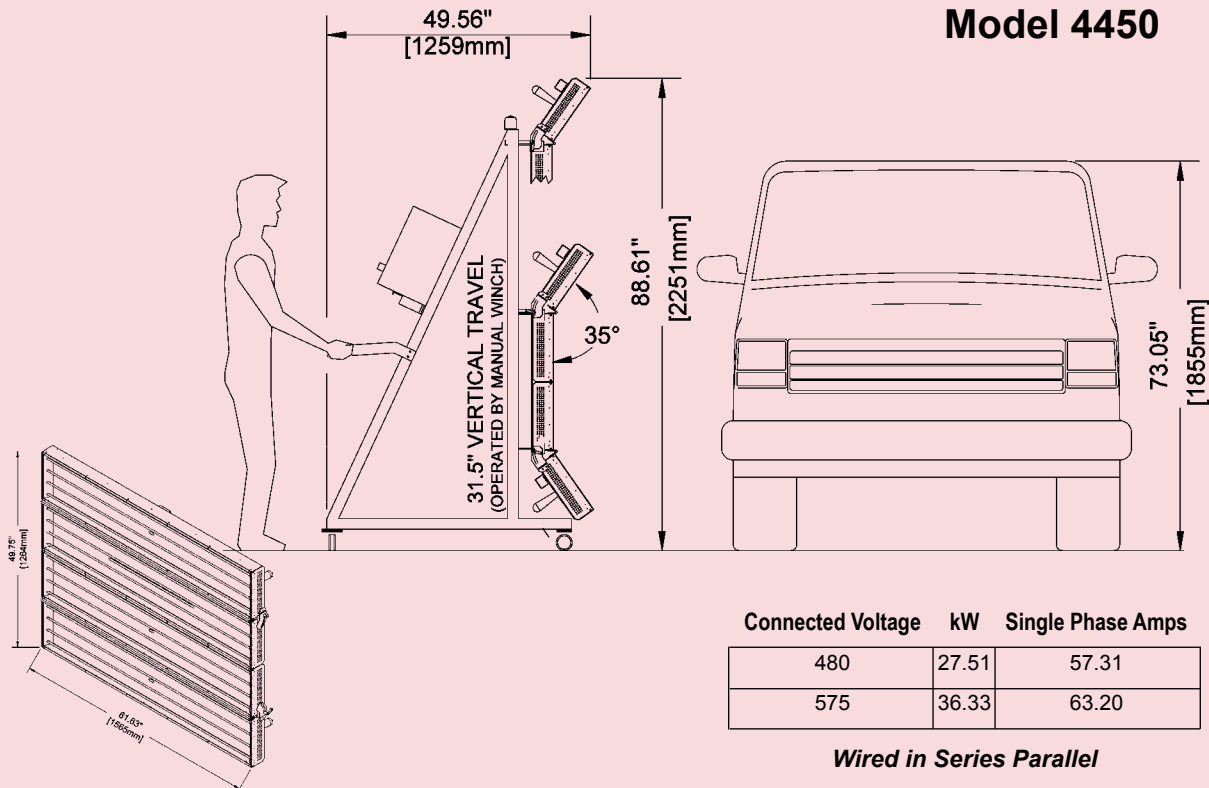


# AutoCure™ 8000 - Panel Heater

## Model 4350



## Model 4450





# Controls

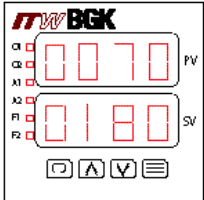
## AutoCure™ 3000//

**\* IMPORTANT \***  
READ AND UNDERSTAND OPERATIONS MANUAL  
BEFORE INSTALLING OR OPERATING THIS EQUIPMENT

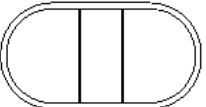
- Turn Power On
- Turn Positioning Beam On
- Position Heater Over Repair Area
- Hold the [OK] Button for 1 - 2 sec to Enter the Setup Menu

1. Set r P1 (ramp time) in minutes [▲] [▼]  
Press [OK]
2. Set c b1 (cure temp) in degrees [▲] [▼]  
Press [OK]
3. Set h d1 (hold time) in minutes [▲] [▼]  
Press [OK]
4. For Single Ramp  
Set r P2 = 0 [▲] [▼]  
For Double Ramp  
Repeat steps 1-3 for r P2, c b2, h d2
5. To exit the [OK] Button to exit the Setup Menu

- Select Auxiliary Heater OFF or ON
- Press Cycle Start



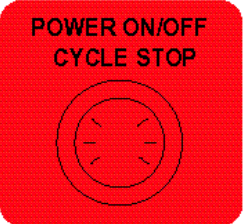
POSITIONING BEAM ON      CYCLE START



US PATENT NO. 5,092,222  
OFF-RAMP CURA  
US PATENT NO. 5,092,226  
ON-RAMP CURA

- WARNING -  
MAIN DISCONNECT NOT  
LOCATED IN THIS PANEL

POWER ON/OFF  
CYCLE STOP



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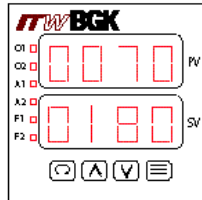
## AutoCure™ 5000//

**\* IMPORTANT \***  
READ AND UNDERSTAND OPERATIONS MANUAL  
BEFORE INSTALLING OR OPERATING THIS EQUIPMENT


- Turn Power On
- Turn Positioning Beam On
- Position Heater Over Repair Area
- Hold the [OK] Button for 1 - 2 sec to Enter the Setup Menu

1. Set r P1 (ramp time) in minutes [▲] [▼]  
Press [OK]
2. Set c b1 (cure temp) in degrees [▲] [▼]  
Press [OK]
3. Set h d1 (hold time) in minutes [▲] [▼]  
Press [OK]
4. For Single Ramp  
Set r P2 = 0 [▲] [▼]  
For Double Ramp  
Repeat steps 1-3 for r P2, c b2, h d2
5. To exit the [OK] Button to exit the Setup Menu

- Select Auxiliary Heater OFF or ON
- Press Cycle Start




POSITIONING BEAM ON      CYCLE START



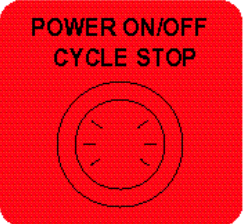
US PATENT NO. 5,092,222  
OFF-RAMP CURA  
US PATENT NO. 5,092,226  
ON-RAMP CURA

AUX HTR OFF      AUX HTR ON



- WARNING -  
MAIN DISCONNECT NOT  
LOCATED IN THIS PANEL

POWER ON/OFF  
CYCLE STOP



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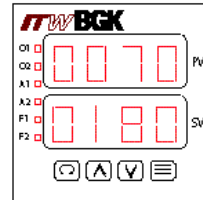
## AutoCure™ 6000//

**\* IMPORTANT \***  
READ AND UNDERSTAND OPERATIONS MANUAL  
BEFORE INSTALLING OR OPERATING THIS EQUIPMENT

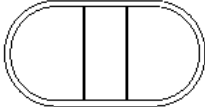
- Turn Power On
- Turn Positioning Beam On
- Position Heater Over Repair Area
- Hold the [OK] Button for 1 - 2 sec to Enter the Setup Menu

1. Set r P1 (ramp time) in minutes [▲] [▼]  
Press [OK]
2. Set c b1 (cure temp) in degrees [▲] [▼]  
Press [OK]
3. Set h d1 (hold time) in minutes [▲] [▼]  
Press [OK]
4. For Single Ramp  
Set r P2 = 0 [▲] [▼]  
For Double Ramp  
Repeat steps 1-3 for r P2, c b2, h d2
5. To exit the [OK] Button to exit the Setup Menu

- Select Auxiliary Heater OFF or ON
- Press Cycle Start

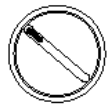


POSITIONING BEAM ON      CYCLE START



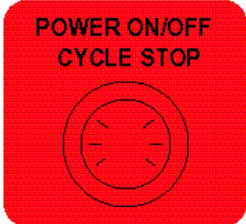
US PATENT NO. 5,092,222  
OFF-RAMP CURA  
US PATENT NO. 5,092,226  
ON-RAMP CURA

AUX HTR OFF      AUX HTR ON



- WARNING -  
MAIN DISCONNECT NOT  
LOCATED IN THIS PANEL

POWER ON/OFF  
CYCLE STOP
















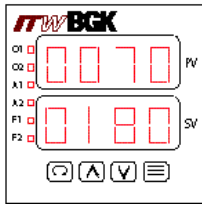
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# Controls

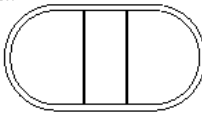
## AutoCure™ 7000

**\* IMPORTANT \***  
READ AND UNDERSTAND OPERATIONS MANUAL  
BEFORE INSTALLING OR OPERATING THIS EQUIPMENT

- Turn Power On
- Turn Positioning Beam On
- Position Heater Over Repair Area
- Hold the  Button for 1 - 2 sec to Enter the Setup Menu
  1. Set  $rP1$  (ramp time) in minutes    
Press 
  2. Set  $cE1$  (cure temp) in degrees    
Press 
  3. Set  $hd1$  (hold time) in minutes    
Press 
  4. For Single Ramp  
Set  $rP2 = 0$     
For Double Ramp  
Repeat steps 1-3 for  $rP2$ ,  $cE2$ ,  $hd2$
  5. To exit the  Button to exit the Setup Menu
- Select Auxiliary Heater OFF or ON
- Press Cycle Start



POSITIONING  
BEAM ON



CYCLE  
START

US PATENT NO. 5,080,232  
Closed Loop Control  
US PATENT NO. 5,335,208  
Laser Sighting

AUX HTR  
OFF



AUX HTR  
ON

**- WARNING -**  
MAIN DISCONNECT NOT  
LOCATED IN THIS PANEL

POWER ON/OFF  
CYCLE STOP



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## AutoCure™ 8000

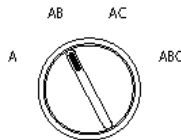
**\* IMPORTANT \***  
READ AND UNDERSTAND OPERATIONS MANUAL  
BEFORE INSTALLING OR OPERATING THIS EQUIPMENT

POWER ON/OFF  
CYCLE STOP

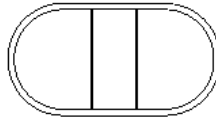


**- WARNING -**  
MAIN DISCONNECT NOT  
LOCATED IN THIS PANEL


ZONE















POSITIONING  
BEAM





CYCLE  
START

- Turn Power On
- Turn Positioning Beam On - Position Heater
- Set Controller Parameters
- Hold the  Button for 1 - 2 sec to enter the Setup Menu

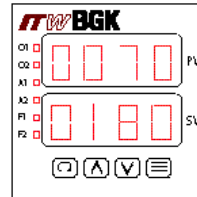
### For Single Ramp

1. Set  $rP1$  (ramp time) in minutes    
Press 
2. Set  $cE1$  (cure temp) in degrees    
Press 
3. Set  $hd1$  (hold time) in minutes    
Press 
4. Set  $rP2$  (2nd ramp time) = 0    
Touch the  button to exit the Setup Menu

### For Double Ramp

Press  after setting  $hd1$  to enter ramp 2 setup. Repeat steps 1-3 for  $rP2$ ,  $cE2$ ,  $hd2$ . Touch the  button to exit the Setup Menu.

- Select Auxiliary Heater OFF or ON
- Press Cycle Start



US PATENT NO. 5,080,232  
Closed Loop Control

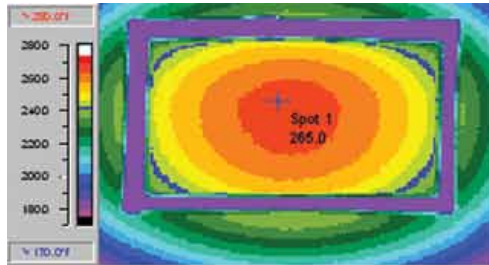
**ITW BGK** Finishing Systems  
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US PATENT NO. 5,335,208  
Laser Sighting



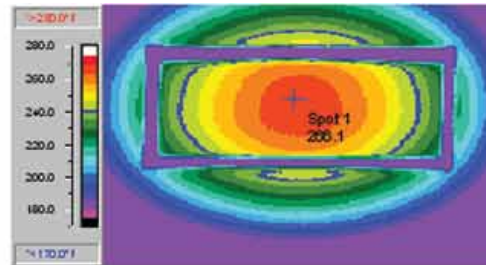
# Effective Cure Area - High Bake Series

Set point at 270°F with a cure window to 240°F (Iso line at 240°)  
Tested on grey topcoat in vertical position from a distance of 10"

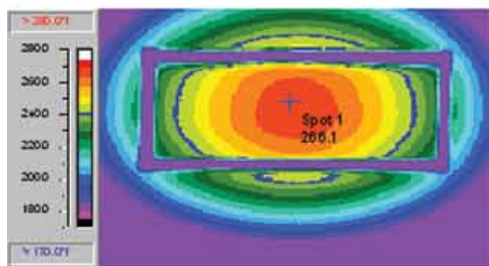


AC3-2110 • IEA 11×16

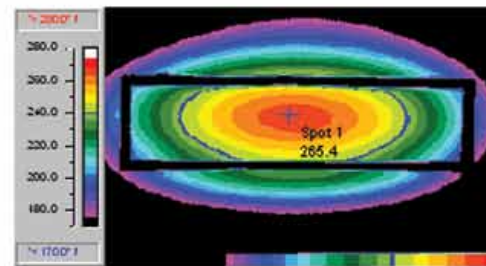
IEA - Infrared Effective Area



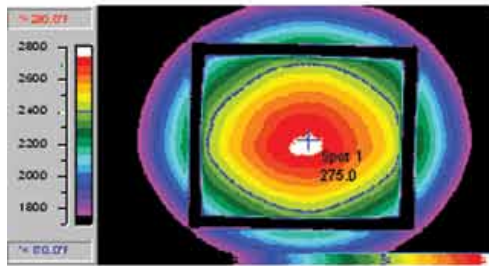
AC3-2116 • IEA 17×6



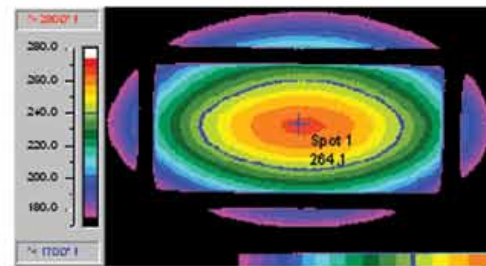
AC5-2116 • IEA 17×6



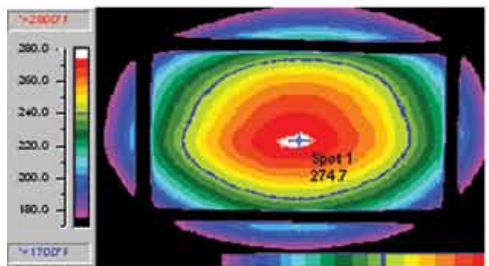
AC5-2125 • IEA 26×6



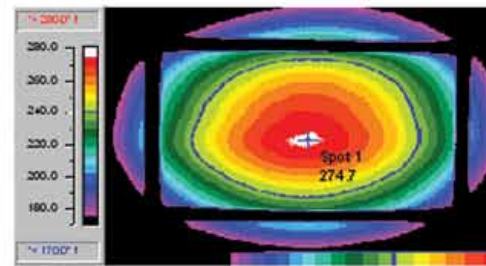
AC5-2216 • IEA 17×15



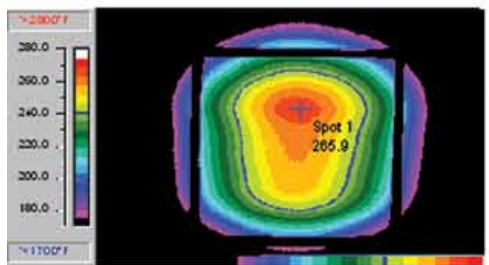
AC5-2225 • IEA 26×15



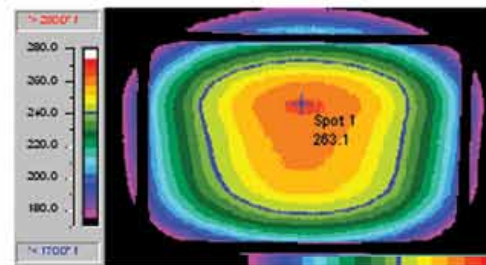
AC5-4125 • IEA 26×12



AC5-4138 • IEA 39×12



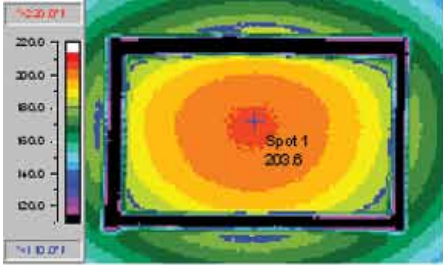
AC5-4225 • IEA 26×27



AC5-4238 • IEA 39×27

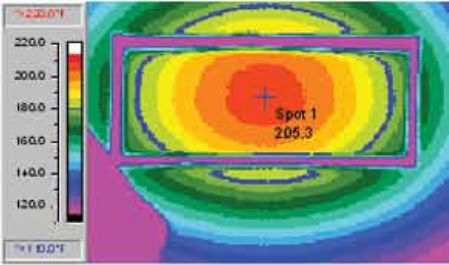
# Effective Cure Area - Low Bake Series

Set point at 240°F with a cure window to 180°F (Iso line at 180°)  
 Tested on grey topcoat in vertical position from a distance of 10"

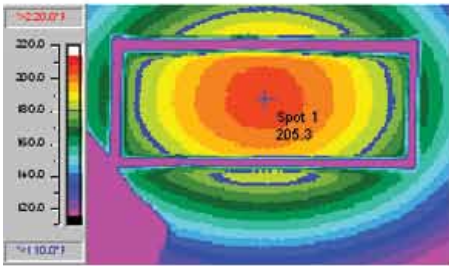


AC3-2110 • IEA 11×16

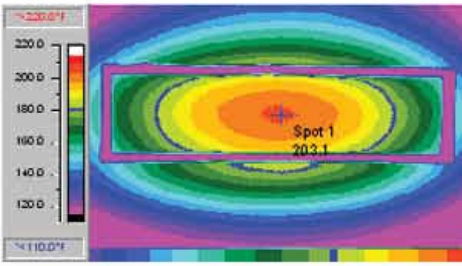
IEA - Infrared Effective Area



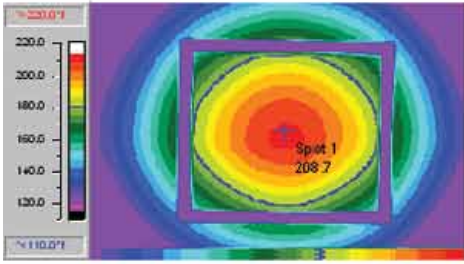
AC3-2116 • IEA 17×6



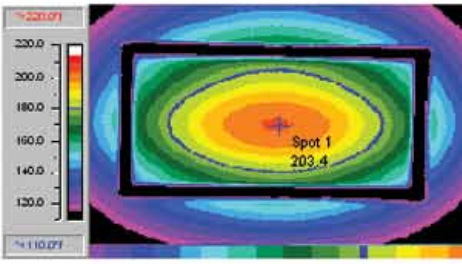
AC5-2116 • IEA 17×6



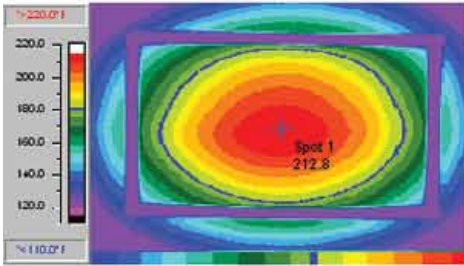
AC5-2125 • IEA 26×6



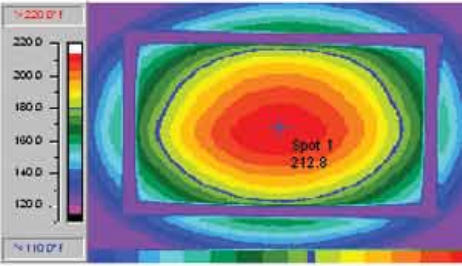
AC5-2216 • IEA 17×15



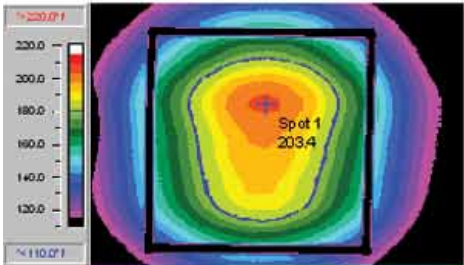
AC5-2225 • IEA 26×15



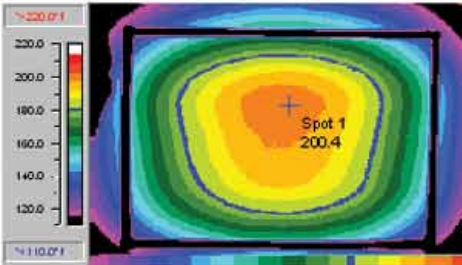
AC5-4125 • IEA 26×12



AC5-4138 • IEA 39×12



AC5-4225 • IEA 26×27

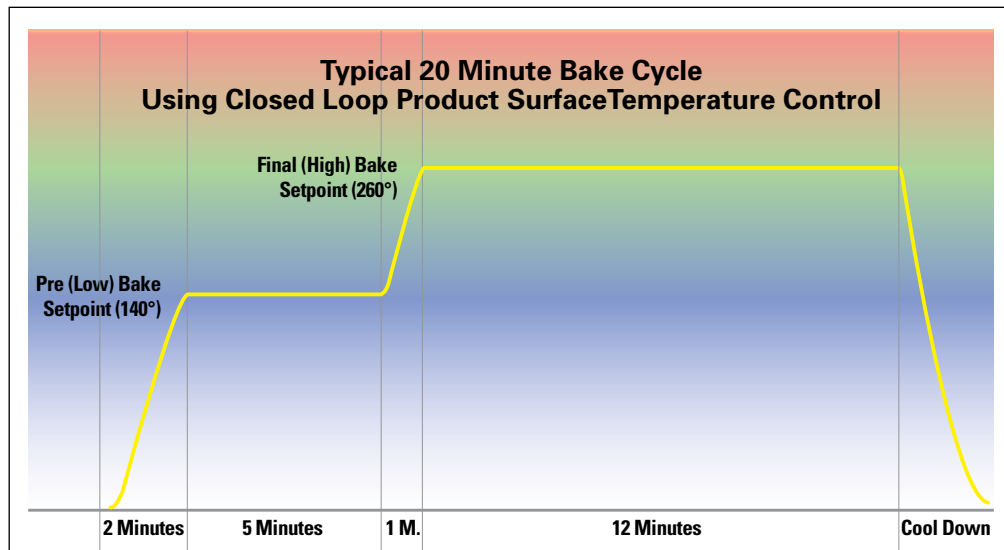


AC5-4238 • IEA 39×27

# ***BGK Product Surface Temperature Control Technology***

A positioning beam is included for correct heater head placement on the surface; it also shows the operator the location on the surface of where the temperature (heat detection ) is aimed.

A non-contact thermocouple which reads surface temperature and re-adjusts power output and heater output to maintain constant heat product surface temperature control.



## ***Infrared Applications***

Anti-Chip

Base Coat Flash

Cavity Wax

Dynamic Panel

Infrared Convection/Hybrid

Powder Primer Surfacer

Protective Transit Film

Rocker Panel E-Coat and Powder Booster

Static Panel

Travel Panel Repair

**BGK Finishing Systems**  
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