

# **Bergstrom Standard Products**

## **Climate Control Systems**

**Including:**

**NITE® Systems**

**Bus Cool Zone™ Systems**

**Bergstrom Standard Products**

**Bergstrom Electrified Systems**

**Bergstrom Solar Energy Systems**



## WE CAN FIT A/C INTO ANYTHING



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# Vehicle Applications

## Legend



Agriculture Vehicles



Ambulances



Box Trucks



Construction Vehicles



Fire Trucks



Garbage Trucks



Heavy-Duty Vehicles



Logging Vehicles



Mining Vehicles



Off-Shore Drilling



Semi Truck (Class 8)



Sport Utility Vehicle



Swat Vehicles



Airport Vehicles (Ground Support)



Armored Vehicles



Cargo Handling Vehicles  
(Container and Port Vehicles)



Delivery Trucks/Vans



Foundry



Golf Carts



Hi-Lo (Forklifts)



Military Vehicles



Off-Road Vehicles



School Buses



Shuttle Buses



























Street Sweepers





























UTV (Electrical Vehicles)

# Bergstrom Systems Matrix

The legend is a quick guide to help select a system for your vehicle. Understanding no two applications are alike, Bergstrom strongly recommends contacting a regional sales manager for further discussions before placing an order. A system in our catalog and not identified as a suggested application may be the optimal solution.

																													
System	Pg. Nbr.	Power																											
No-Idle Systems																													
Nite® Phoenix	8	12V: 7,500 BTU/hr (2,2 kW)								X													X						
Nite® Phoenix SSI	10	12V: 7,500 BTU/hr (2,2 kW)								X													X						
Nite® Hawk-S	12	12V: 7,500 BTU/hr (2,2 kW)																								X			
Battery-Operated Electrified Systems																													
DBAC Series	16	12V: 6,824 BTU/hr (2,0 kW) 24V: 10,919 BTU/hr (3,2 kW)	X	X				X	X						X	X				X	X								
Split 2.0 and 3.0	18	12V: 6,824 BTU/hr (2,0 kW) 24V: 10,919 BTU/hr (3,2 kW)	X						X						X	X				X	X								
Battery-Operated Rooftop Systems																													
Compact 3.0	22	24V: 10,236 BTU/hr (3,0 kW)		X											X		X											X	
Integral Power Manual	24	12V: 6,824 BTU/hr (2,0 kW) 24V: 10,919 BTU/hr (3,2 kW)	X	X				X	X							X	X			X	X								
Engine-Driven Rooftop Systems																													
Farad	28	12V: 30,027 BTU/hr (8,8 kW)												X															
HD-1000 A/C	30	12V /24V: 25,932 BTU/hr (7,6 kW)	X	X			X		X						X		X			X	X								
HD-1000 HVAC	32	Cold 12V / 24V: 25,932 BTU/hr (7,6 kW) Hot 12V / 24V: 34,120 BTU/hr (10,0 kW)	X	X			X		X						X		X			X	X								
KA-300	34	12V / 24V:18,900 BTU/hr (5,5 kW)	X						X					X	X														
KA-2000	36	12V / 24V:20,130 BTU/hr (5,9 kW)	X						X	X					X						X								
Engine Driven Headliner Systems																													
KA-400 Slimline	38	12V /24V: 21,838 BTU/hr (6,4 kW)	X						X					X	X	X									X				
KK-400 Slimline	40	Cold 12V / 24V: 21,838 BTU/hr (6,4 kW) Hot 12V / 24V: 25,933 BTU/hr (7,6 kW)	X						X					X	X	X									X				
KA-500 Hardhat	42	12V / 24V: 29,345 BTU/hr (8,6 kW)	X						X						X					X									
KA-7100	44	12V: 49,500 BTU/hr (14,5 kW)	X						X						X								X	X					
KA-7300	46	12V: 75,408 BTU/hr (22,1 kW)	X						X						X								X	X					
Kelvin A/C	48	12V / 24V: 20,810 BTU/hr (6,1 kW)	X		X				X	X						X									X				
Kelvin HVAC	50	Cold 12V / 24V: 20,180 BTU/hr (6,1 kW) Hot 12V / 24V: 32,410 BTU/hr (9,6 kW)	X		X				X	X						X									X				
Pascal A/C	52	12V / 24V: 13,650 BTU/hr (4,0 kW)	X		X				X	X						X									X				
Engine-Driven Backwall Systems																													
KA-550 Slimline	56	12V / 24V: 19,449 BTU/hr (5,7 kW)	X						X						X										X				
KK-550 Slimline	58	Cold 12V / 24V: 19,449 BTU/hr (9,8 kW) Hot 12V / 24V: 33,500 BTU/hr (9,8 kW)	X						X						X										X				
KK-600 Backpack	60	Cold 12V / 24V: 33,439 BTU/hr (9,8 kW) Hot 12V / 24V: 47,770 BTU/hr (14,0 kW)	X			X			X	X					X					X					X				
KA-710 Sidekick	62	12V / 24V: 24,500 BTU/hr (7,2 kW)	X						X						X										X				
Vertical Grande A/C	64	12V / 24V: 28,320 BTU/hr (8,3 kW)	X		X				X																				
Vertical Grande HVAC	66	Cold 12V / 24V: 28,320 BTU/hr (8,3kW) Hot 12V / 24V: 19,110 BTU/hr (5,6 kW)	X		X				X																				
Vertical Piccolo A/C	68	12V / 24V: 18,770 BTU/hr (5,5 kW)	X		X				X																				



			Agriculture Vehicles	Airport Vehicles	Ambulances	Armored Vehicles	Box Trucks	Cargo Handling Vehicles	Construction Vehicles	Delivery Trucks / Vans	Fire Trucks	Foundry	Garbage Trucks	Golf Carts	Heavy-Duty Vehicles	Hi-Lo Vehicles (Forklifts)	Logging Vehicles	Military Vehicles	Mining Vehicles	Off-Road Vehicles	Off-Shore Drilling	School Bus	Semi Truck (Class 8)	Shuttle Bus	Sport Utility Vehicle	Street Sweepers	Swat Vehicles	UTV (Electrical Vehicles)	
System	Pg. Nbr.	Power																											
Condensers																													
DBC-100	72	12V: 6,824 BTU/hr (2,0 kW) 24V: 10,920 BTU/hr (3,2 kW)	X						X										X										
KC-90	74	12V / 24V: 25,933 BTU/hr (7,6 kW)							X						X										X				
KC-110	76	12V / 24V: 45,040 BTU/hr (13,2 kW)			X										X						X				X				
KC-440	78	12V: 54,935 BTU/hr (16,1 kW)	X						X		X				X				X										
KC-500	80	12V / 24V: 30,000 BTU/hr (8,8 kW)	X						X		X				X				X										
KC-750	82	12V / 24V: 32,075 BTU/hr (9,4 kW)	X						X						X				X	X					X				
KC-3000	84	12V: 35,860 BTU/hr (10,5 kW)			X										X										X				
Heaters																													
KH-150	88	12V: 13,000 BTU/hr (3,8 kW)							X						X				X						X				
KH-200	90	12V / 24V: 18,360 BTU/hr (5,4 kW)							X						X				X										
KH-300	92	12V / 24V: 30,027 BTU/hr (8,8 kW)							X		X				X				X			X							
KH-500	94	12V / 24V: 52,206 BTU/hr (15,3 kW)							X						X				X										
KH-900	96	12V / 24V: 30,000 BTU/hr (8,8 kW)							X		X				X				X			X							
Pascal Heater	98	12V / 24V: 25,590 BTU/hr (8,0 kW)	X		X				X		X					X									X				
Bergstrom Electrified Systems (BES)																													
FFR6 HVAC System	140							X											X										
FVF120 Pressurizer	110							X											X										
FVV50 Pressurizer	112							X											X										
FVV60 Pressurizer	114							X											X										
FVV150 Pressurizer	116							X											X										
FVW100 Pressurizer	138							X											X										
MPV5 HVAC System	122	Cold : 18,000 BTU/hr (5,3 kW) Hot: 34,000 BTU/h (10,0 kW)						X											X										
MPV9 HVAC System	124	Cold: 30,369 BTU/hr (8,9 kW) Hot: 40,946 BTU/hr (12,0 kW)						X											X										
BES2400	126																												
TBV6 Hydraulic Compressor	134							X											X										
TCR6 Condenser Package	136	For use up to 22,000 BTU/hr (6,4 kW)						X											X										
TDR5 HVAC System	138	Cold 24V: 17,744 BTU/hr (5,2 kW) Hot 24V: 34,122 BTU/hr (10,0 kW)						X											X										
TPR6 A/C System	140	Cold 24V: 20,473 BTU/hr (6,0 kW) Hot 24V: 40,000 BTU/hr (11,7 kW)						X	X	X									X										
TPW5 HVAC System	142	Cold 24V: 18,000 BTU/hr (5,3 kw) Hot 24V: 40,000 BTU/hr (11,7 kW)						X	X										X										
Bus Systems																													
Front Bulkhead	146	12V: 55,000 / 60,000 BTU/hr (16,0 / 17,6 kW)																				X							
Rear Bulkhead	147	12V: 55,000 / 60,000 BTU/hr (16,0 / 17,6 kW)																				X							
Dash Unit	148	26,833 BTU/hr (7,9 kW)																				X							
Midship Unit	149	12V: 35,000 BTU/hr (10,3 kW)																				X							
Dual Fan	150	12V: 60,000 BTU/hr (17,6 kW)																				X		X					
2-Fan Condenser	151	12V: 51,000 BTU/hr (14,9 kW)																				X		X					
3-Fan Condenser	152	12V: 76,000 BTU/hr (22,3 kW)																				X		X					
Heater Assemblies	153																					X							

			<div></div>																											
System	Pg. Nbr.	Power	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
Solar Energy Systems																														
12 Cell Solar Panel	158		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
24 Cell Solar Panel	159		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
36 Cell Solar Panel	160		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
48 Cell Solar Panel	162		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
72 Cell Solar Panel	163		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
96 Cell Solar Panel	167		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	



# No-Idle Systems

NITE <sup>®</sup> PHOENIX	8
NITE <sup>®</sup> SSI	10
NITE <sup>®</sup> HAWK	12



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All No-Idle systems have a 2-year warranty, with option to buy an extended warranty.

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### Suggested Applications



### Features

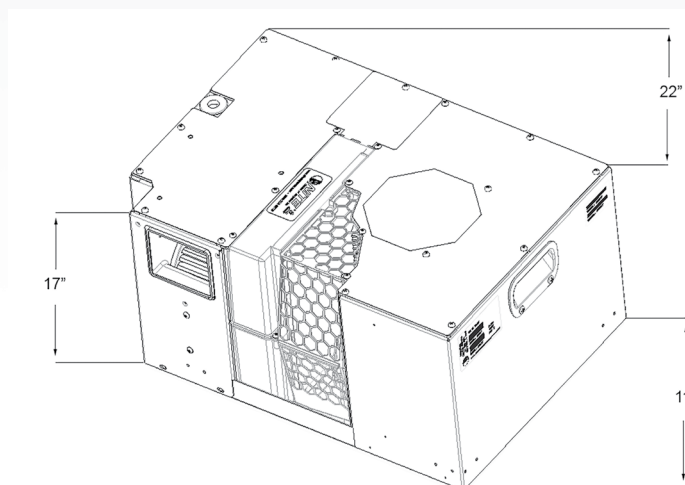
- Electrified A/C unit that runs on 4 auxiliary AGM batteries
- Automatic temperature control
- Digital control
- Durable steel construction
- ARB approved (#08-643-004)
- Unit runs 8-10 hours\*
- Evaporator filter gives extended coil life
- Optional diesel heaters are available

### Air Distribution and Control Panel



*\*Run time depends on ambient temperature, solar load and truck insulation*

### Line Drawing



### Technical Specifications

Model	NITE Phoenix 12V
Voltage	12V
Power	7,500 BTU/hr (2,2 kW)
Amps	25 A/h - 65 Ah
Maximum air flow	280 SCFM (425 m <sup>3</sup> /hr)
Dimensions (W x H x D)	22in x 17in x 11in (559mm x 432mm x 280mm)
Weight*	60 lbs. (27,2 kg)
Mounting Position	Under Bunk

*\*Overall system weight will vary dependent on installation kit used, batteries and battery box options.*

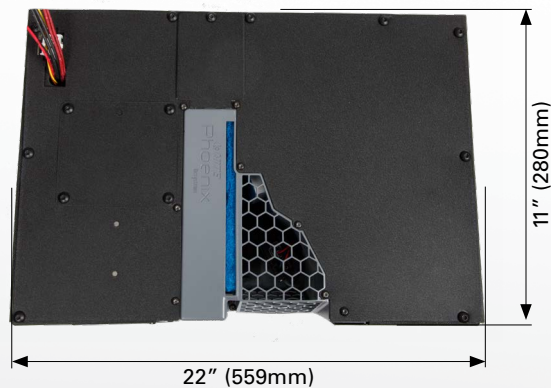
Measurements are listed using the U.S. system with the metric system in parenthesis.

*Minimum alternator required: 12V = 185-200 A/h recommended*

*Minimum battery required: 4 Group 31 AGM 100 A/h deep cycle batteries*



## Dimensions layout



## Advantages

- Operator Comfort
- Perfect match for your vehicle
- Best Value
- Virtually maintenance free
- Installs easily under the bunk
- Shorepower & hotel load options available

No-Idle Systems



LCD Display

## NITE® Phoenix Order Guide

Part*	Part Number	Notes
Unit Part Number	3620010 3620009	A/C Only Combo with Espar Heater
Installation Kit	Contact your Regional Sales Manager to choose the right kit for your vehicle.	

## NITE® Phoenix Service Parts Guide

Part*	Part Number	Notes
Evaporator Blower Service Kit Assembly	4475070	12V
Temperature Sensor Kit	4475028	12V
Condenser Fan Service Kit	4475037	12V
Filter (259 x 215 x 127)	4475023	12V
Relay with Resistor	4499087	12V

\* For the complete NITE service parts lists, please visit [us.bergstrominc.com/nite-service-parts/](https://us.bergstrominc.com/nite-service-parts/). Reference these parts lists before ordering as they are updated on a continuous basis and are subject to change without notice.



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### Warranty

- 2-year limited warranty on parts and systems



## Features

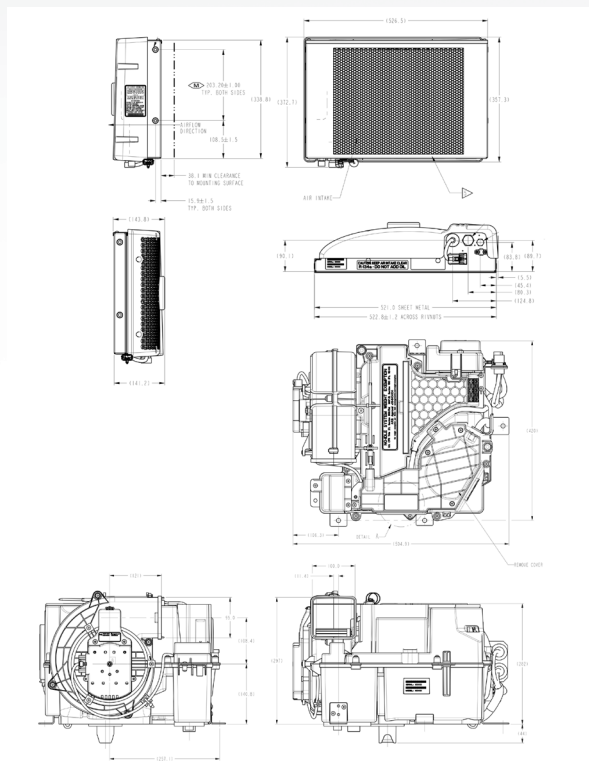
- Electrified A/C unit that runs on 4 auxiliary AGM batteries
- Automatic temperature control
- Digital control
- Durable steel construction
- ARB approved (#08-643-004)
- Unit runs 8-10 hours\*
- Evaporator filter gives extended coil life
- Optional diesel heaters are available

## Suggested Applications



*\*Run time depends on ambient temperature, solar load and truck insulation*

## Line Drawing



## Technical Specifications

Model	NITE Phoenix 12V
Voltage	12V
Power	7,500 BTU/hr (2,2 kW)
Amps	25 A/h - 65 Ah
Maximum air flow	280 SCFM (425 m <sup>3</sup> /hr)
Dimensions Evaporator (W x H x D)	19.9in x 17.1in x 12.3in (505mm x 434mm x 312mm)
Dimensions Condenser (W x H x D)	20.7in x 5.7in x 14.1in (527mm x 144mm x 357mm)
Weight*	60 lbs. (27,2 kg)
Evaporator Mounting Position	Under Bunk Inside Cab
Condenser Mounting Position	Back Wall Outside of Cab

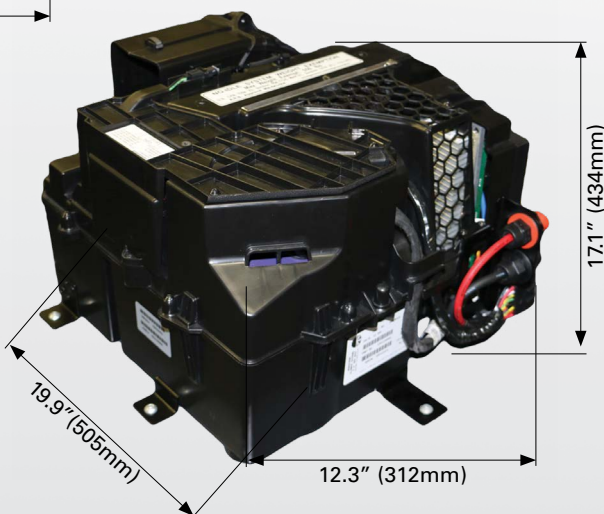
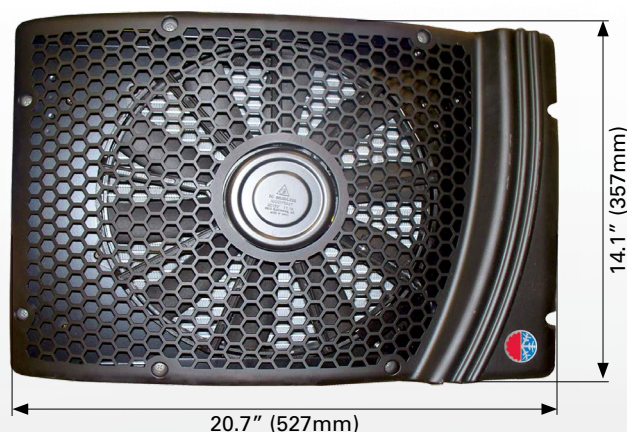
\*Overall system weight will vary dependent on installation kit used, batteries and battery box options.

Measurements are listed using the U.S. system with the metric system in parenthesis.

**Minimum alternator required: 12V = 185-200 A/h recommended**

**Minimum battery required: 4 Group 31 AGM 100 A/h deep cycle batteries**

## Dimensions layout



## Advantages

- Operator Comfort
- Perfect match for your vehicle
- Best Value
- Virtually maintenance free
- Installs easily under the bunk
- Shorepower & hotel load options available

No-Idle Systems



LCD Display

## NITE® Phoenix SSI Order Guide

Part*	Part Number	Notes
Unit Part Number	3630002 3630004	A/C Only Combo with Espar Heater
Installation Kit	Contact your Regional Sales Manager to choose the right kit for your vehicle.	

## NITE® Phoenix SSI Service Parts Guide

Part*	Part Number	Notes
Evaporator Blower Service Kit Assembly	4475070	12V
Temperature Sensor Kit	4475028	12V
Condenser Fan Service Kit	4475037	12V
Filter (259 x 215 x 127)	4475023	12V
Relay with Resistor	4499087	12V

\* For the complete NITE service parts lists, please visit [us.bergstrominc.com/nite-service-parts/](https://us.bergstrominc.com/nite-service-parts/). Reference these parts lists before ordering as they are updated on a continuous basis and are subject to change without notice.



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

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### Warranty

- 2-year limited warranty on parts and systems





## Features

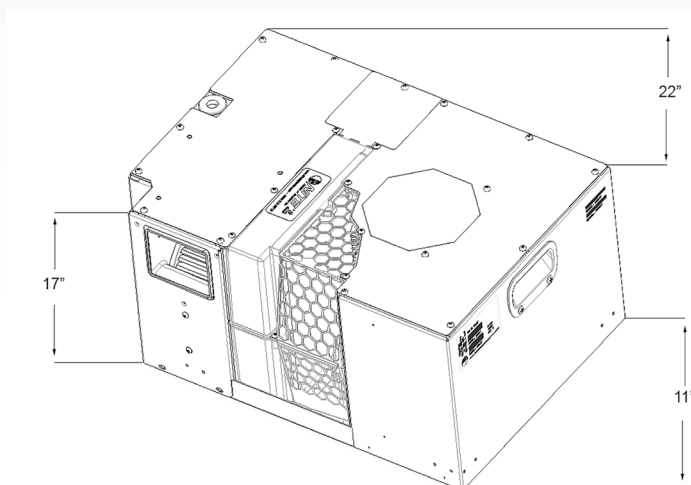
- Electrified A/C unit that runs on 4 auxiliary AGM batteries
- Automatic temperature control
- Digital control
- Durable steel construction
- ARB approved (#08-643-004)
- Unit runs 8-10 hours\*
- Evaporator filter gives extended coil life
- Optional diesel heaters are available

## Suggested Applications



*\*Run time depends on ambient temperature, solar load and truck insulation*

## Line Drawing



## Technical Specifications

Model	NITE Hawk 12V
Voltage	12V
Power	7,500 BTU/hr (2,2 kW)
Amps	25 A/h - 65 Ah
Maximum air flow	280 SCFM (425 m³/hr)
Dimensions (W x H x D)	22in x 17in x 11in (559mm x 432mm x 280mm)
Weight*	60 lbs. (27,2 kg)
Mounting Position	Trunk

\*Overall system weight will vary dependent on installation kit used, batteries and battery box options.

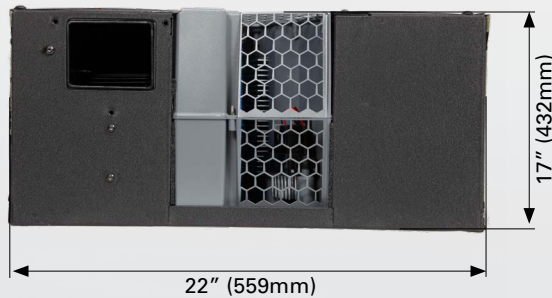
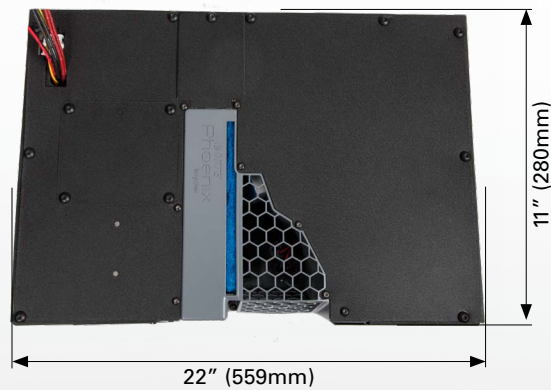
Measurements are listed using the U.S. system with the metric system in parenthesis.

Minimum alternator required: **12V = 185-200 A/h recommended**

Minimum battery required: **4 Group 31 AGM 100 A/h deep cycle batteries**



## Dimensions layout



## Advantages

- Operator Comfort
- Perfect match for your vehicle
- Best Value
- Virtually maintenance free
- Installs easily under the bunk
- Shorepower & hotel load options available

No-Idle Systems



LCD Display

## NITE® Hawk Order Guide

Part*	Part Number	Notes
Unit Part Number	Contact your Regional Sales Manager to purchase	A/C Only Combo with Espar Heater
Installation Kit	Contact your Regional Sales Manager to choose the right kit for your vehicle.	

## NITE® Hawk Service Parts Guide

Part*	Part Number	Notes
Evaporator Blower Service Kit Assembly	4475070	12V
Temperature Sensor Kit	4475028	12V
Condenser Fan Service Kit	4475037	12V
Filter (259 x 215 x 127)	4475023	12V
Relay with Resistor	4499087	12V



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Availability of the products shown in this catalog is subject to change without notice by Bergstrom, Inc. For the most current product information please visit the Kysor distributor website at <https://parts.kysorhvac.com/>.

### Warranty

- 2-year limited warranty on parts and systems

**NOTES:**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



# Battery-Operated Electrified Systems

DBAC SERIES	16
SPLIT 2.0 AND 3.0	18



**Bergstrom®**  
STANDARD PRODUCTS

When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BSP systems have a 1-year warranty.

Availability of the products shown in this catalog is subject to change without notice by Bergstrom, Inc. For the most current product information please visit the Kysor distributor website at <https://parts.kysorhvac.com/>.



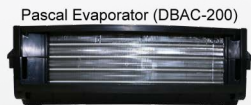
## Several combinations to meet your vehicle needs



Vertical Grande  
Evaporator (DBAC-100)



Vertical Piccolo  
Evaporator (DBAC-101)



Pascal Evaporator (DBAC-200)



DBC-100  
Condenser

### Features

- Steel-framed compressor box with integrated receiver drier and condenser
- Tube-O connections
- Double wheel high performance blower
- Virtually maintenance free
- Quiet operation
- 3 air outlets
- 3 speed fans

### Air Distribution and Control Panel

*Vertical Grande*



*Pascal*



*Spigot*

*Vertical Piccolo*



*Louver*

### Suggested Applications






### Technical Specifications, Weights and Dimensions

Maximum air flow - DBAC- 100	460 SCFM (780 m³/hr)
Maximum air flow - DBAC-101	260 SCFM (450 m³/hr)
Maximum air flow - DBAC-200	260 SCFM (450 m³/hr)
Dimensions - Vertical Piccolo A/C (L x W x H)	6.73in x 6.65in x 19.33in (171mm x 169mm x 491mm)
Dimensions - Pascal A/C (L x W x H)	9.21in x 15.3in x 5.29in (234mm x 388.5mm x 134.3mm)
Dimensions - DBC-100 Condenser (L x W x H)	23.50in x 13.92in x 12.81in (597mm x 353.5mm x 325.5mm)
Weight - Vertical Grande A/C evaporator	21.6 lbs (9.8 kg)
Weight - Vertical Piccolo A/C evaporator	17.1 lbs (7.8 kg)
Weight - Pascal A/C evaporator	8.4 lbs. (3,8 kg)
Weight - DBC-100 condenser	72.8 lbs. (33 kg)
Mounting Position	Universal

Measurements are listed using the U.S. system with the metric system in parenthesis.

## DBAC Series Order Guide

Option	Unit Part Number	Unit Description	Included	Power*	Amps**	Voltage
1	BSP00024AC12 BSP00024AC24	DBAC-100 A/C		6,824 BTU/hr (2,0 kW) 10,919 BTU/hr (3,2 kW)	32 - 65 A/h 30 - 55 A/h	12V 24V
2	BSP00046AC12 BSP00046AC24	DBAC-101 A/C		6,824 BTU/hr (2,0 kW) 10,919 BTU/hr (3,2 kW)	32 - 65 A/h 30 - 55 A/h	12V 24V
3	BSP00040AC12 BSP00040AC24	DBAC-200 A/C		6,824 BTU/hr (2,0 kW) 10,919 BTU/hr (3,2 kW)	32 - 65 A/h 30 - 55 A/h	12V 24V

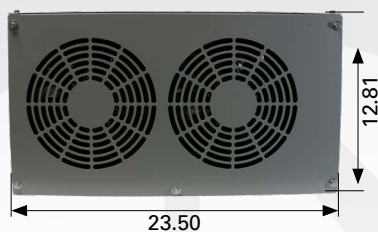
(\*) System output (BTU/hr) is based on system component-calculated capacities. In accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

(\*\*) Test conditions: outside temperature between 86°F (30°C) and 107°F (42°C).

Measurements are listed using the U.S. system with the metric system in parenthesis.

## DBAC Series Optional Order Guide

Part	Part Number	Notes
Three spigot outlet panel	BSP00005PANELKIT	For Pascal A/C system with DBAC-200
Three louver outlet panel (chrome)	BSP00003PANELKIT	For Pascal A/C system with DBAC-200
Three louver black wave panel	BSP00006PANELKIT	For Pascal A/C system with DBAC-200



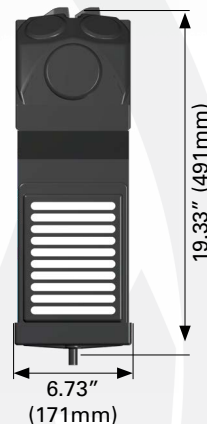
DBC-100 Condenser



Pascal Evaporator



Vertical Grande A/C Evaporator



Vertical Piccolo Evaporator



2390 Blackhawk Rd.  
PO Box 6007  
Rockford, IL 61125

[bergstrominc.com](http://bergstrominc.com)

### Warranty

- 1-year limited warranty





NAME

SPLIT 2.0 AND 3.0

VOLTS

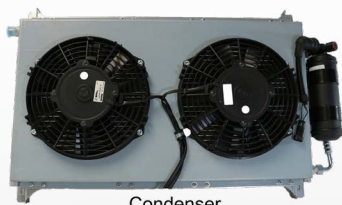
12

24

DESCRIPTION

Battery-Electrified  
System

## Several combinations to meet your vehicle needs



Condenser



Horizontal Evaporator



Compressor



Vertical Evaporator

### Features

- Manual function
- Flexibility with multiple installation locations
- Digital readout in °C & °F\*
- Low maintenance costs
- Double battery protection\*

\*Not included in Split 3.0 Manual Vertical with Integrated Control

### Air Distribution and Control Panel

Vertical Grande



Pascal



Spigot



Louver

### Suggested Applications



### Technical Specifications, Weights and Dimensions





Maximum air flow - Horizontal Evaporator	265 SCFM (450 m <sup>3</sup> /hr)
Maximum air flow - Vertical Evaporator	460 SCFM (780 m <sup>3</sup> /hr)
Dimensions - Horizontal Evaporator (L x W x H)	9.21in x 15.3in x 5.29in (234mm x 388.5mm x 134.3mm)
Dimensions - Vertical Evaporator (L x W x H)	15.35in x 5.98in x 17.2in (390mm x 152mm x 436.55mm)
Dimensions - Dual Fan Condenser (L x W x H)	24.1in x 4.76in x 16.54in (612mm x 121mm x 420mm)
Dimensions - Compressor (L x W x H)	16.93in x 14.56in x 9.84in (430mm x 370mm x 250mm)
Weight - Horizontal Evaporator	8.4 lbs. (3,8 kg)
Weight - Vertical Evaporator	21.6 lbs. (9,8 kg)
Weight - Dual Fan condenser	14.3 lbs. (6,5 kg)
Weight - All others Compressor	61.7 lbs. (28 kg)
Mounting Position	Universal

Measurements are listed using the U.S. system with the metric system in parenthesis.

### Maximum Distances between Components

Condenser unit - Evaporator Unit	11.48 ft (3,50 m)
Evaporator unit - Compressor Unit	9.84 ft (3,00 m)
Compressor unit - Condenser Unit	6.56 ft (2,00 m)

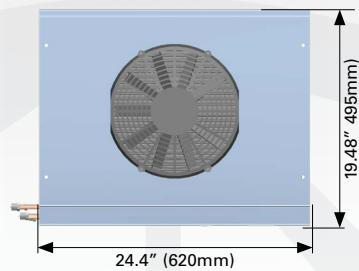
## Split 2.0 and 3.0 Order Guide

Option	Unit Part Number	Unit Description	Included	Power*	Amps**	Voltage
1	BSP00041AC12	Split 2.0 Horizontal		6,824 BTU/hr (2,0 kW)	32-65 A	12V
2	BSP00041AC24	Split 3.0 Horizontal		10,919 BTU/hr (3,0 kW)	30-55 A	24V
3	BSP00048AC12	Split 2.0 Vertical		6,824 BTU/hr (2,0 kW)	32-65 A	12V
4	BSP00048AC24	Split 3.0 Vertical		10,919 BTU/hr (3,0 kW)	30-55 A	24V

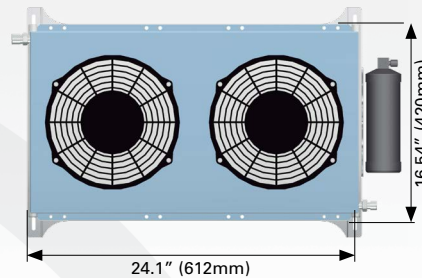
(\*) System output (BTU/hr) is based on system component-calculated capacities. In accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

(\*\*) Test conditions: outside temperature between 86°F (30°C) and 107°F (42°C).

Measurements are listed using the U.S. system with the metric system in parenthesis.



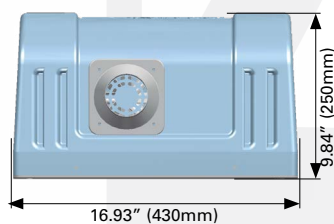
*Single Fan Condenser*



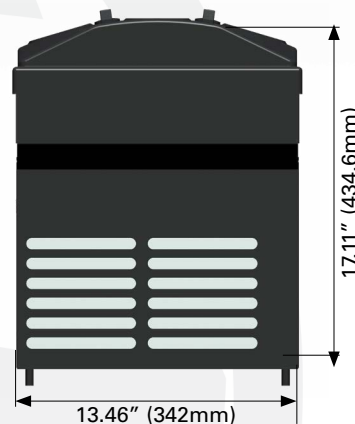
*Dual Fan Condenser*



*Horizontal Evaporator*



*Compressor*



*Vertical Evaporator*



2390 Blackhawk Rd.  
PO Box 6007  
Rockford, IL 61125

[bergstrominc.com](http://bergstrominc.com)

### Warranty

• 1-year limited warranty

**NOTES:**

# Battery-Operated Rooftop Systems

COMPACT 3.0	22
INTEGRAL POWER MANUAL	24



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BSP systems have a 1-year warranty.

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## Features

- Digital readout in °C & °F with automatic temperature control
- Pre-charged system with R-134a refrigerant
- Double battery protection
- Remote control

## Suggested Applications



## Air Distribution and Control Panel



## Technical Specifications

Model	Compact 3.0 24V
Voltage	24V
Power*	10,236 BTU/hr (3,0 kW)
Amps**	Engine On: 25 A/h - 38 A/h Engine Off: 11 A/h - 24 A/h
Maximum air flow	470 SCFM (800 m³/hr)
Dimensions (L x W x H)	28.58in x 32.52in x 8.07in (726mm x 826mm x 205mm)
Weight	86.6 lbs. (39,3 kg)
Mounting Position	Roof

(\*) System output (BTU/hr) is based on system component-calculated capacities. In accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

(\*\*) Test conditions: outside temperature between 86°F (30°C) and 107°F (42°C).

Measurements are listed using the U.S. system with the metric system in parenthesis.

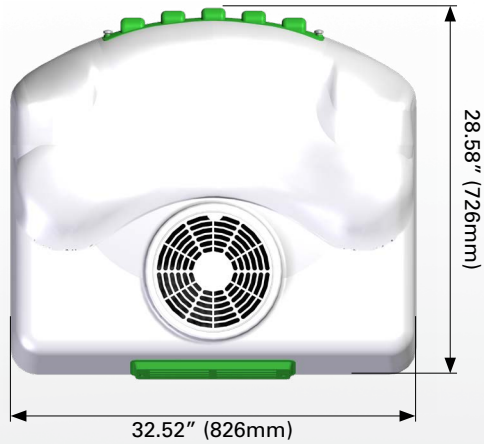
*Unit performance with the engine running is 10,248 BTU/hr and with the engine switched off the performance is limited to 4,800 BTU/hr to protect the vehicle battery.*

Minimum alternator required: **80 A/h**

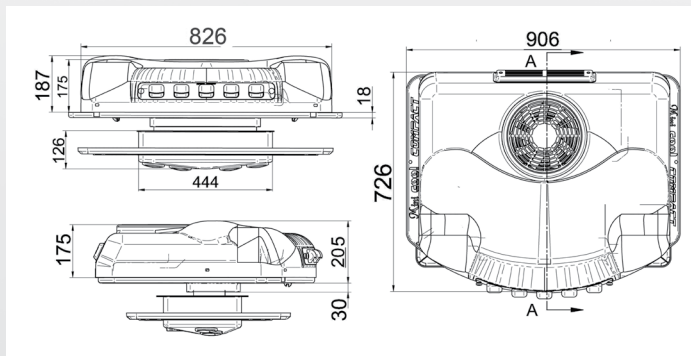
Minimum battery required: **180 A/h**



## Dimensions layout



## Line Drawing



**Remote Control**



**Standard Console  
Installed**

## Compact 3.0 Order Guide

Part	Part Number	Notes
Unit Part Number*	BSP00006AC24	24V

\*Installation kit included with the system.

## Compact 3.0 Service Parts Guide

Part	Part Number	Notes
Blower Assembly	091087C006	24V
Condenser	091132C003	24V
Condenser Fan	091132C021	24V
Compressor	091132C004	24V
Evaporator	091132C006	24V



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### Warranty

- 1-year limited warranty



## Features

- Electrical A/C unit
- Interior control panel
- Pre-charged system with R-134a refrigerant
- Hermetically-sealed compressor

## Air Distribution and Control Panel



## Suggested Applications



## Technical Specifications

Model	Integral Power 12V	Integral Power 24V
Voltage	12V	24V
Power*	6, 824 BTU/hr (2,0 kW)	10,919 BTU/hr (3,2 kW)
Amps**	32 A/h - 65 A/h	30 A/h - 55 A/h
Maximum air flow	410 SCFM (700 m <sup>3</sup> /hr)	410 SCFM (700 m <sup>3</sup> /hr)
Dimensions (L x W x H)	30.04in x 26.14in x 8.54in (763mm x 664mm x 217mm)	30.04in x 26.14in x 8.54in (763mm x 664mm x 217mm)
Weight	95.9 lbs. (43,5 kg)	95.9 lbs. (43,5 kg)
Mounting Position	Roof	Roof

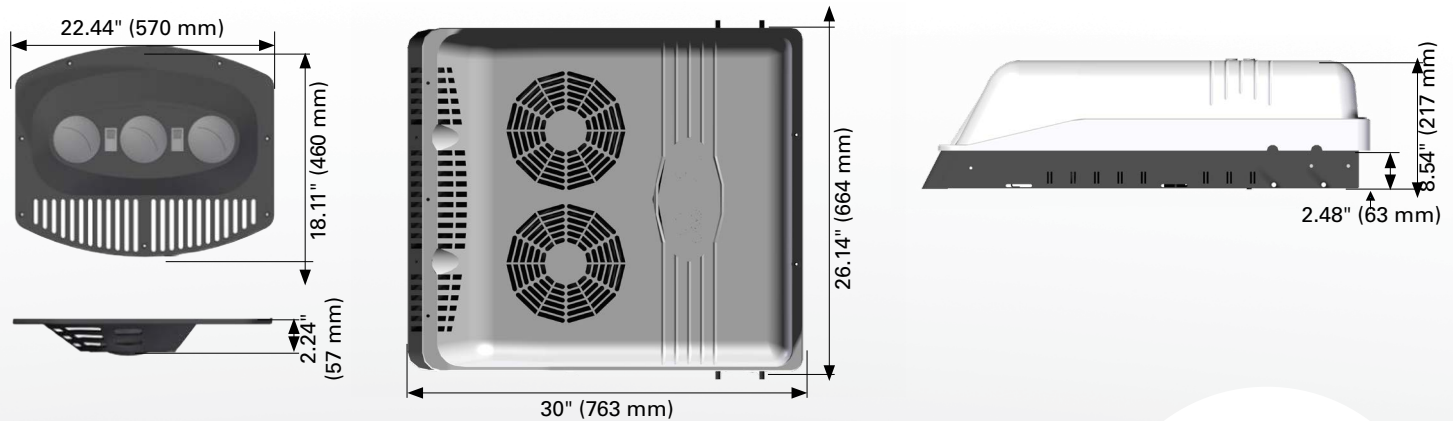
(\*) System output (BTU/hr) is based on system component-calculated capacities in accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

(\*\*) Test conditions: outside temperature between 86°F (30°C) and 107°F (42°C).

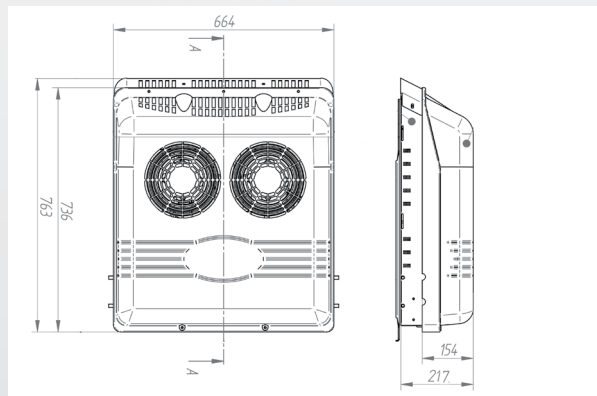
Measurements are listed using the U.S. system with the metric system in parenthesis.

Minimum alternator required: **12V** = upsize by 75 A/h / **24V** = upsize by 60 A/h

## Dimensions layout



## Line Drawing



## Integral Power Manual Order Guide

Part	Part Number	Notes
Unit Part Number*	BSP00028AC12 BSP00028AC24	12V Manual 24V Manual

\*Installation kit included with the system.



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### Warranty

- 1-year limited warranty

**NOTES:**

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# Engine-Driven Rooftop Systems

<b>FARAD</b>	<b>28</b>
<b>HD-1000 A/C</b>	<b>30</b>
<b>HD-1000 HVAC</b>	<b>32</b>
<b>KA-300</b>	<b>34</b>



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All BSP systems have a 1-year warranty.

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## Features

- Steel base
- Molded cover
- Designed to withstand and perform in most environments
- High cooling capacity with over 27,000 BTU/hr
- Integrated condenser and receiver drier

## Air Distribution and Control Panel



## Suggested Applications



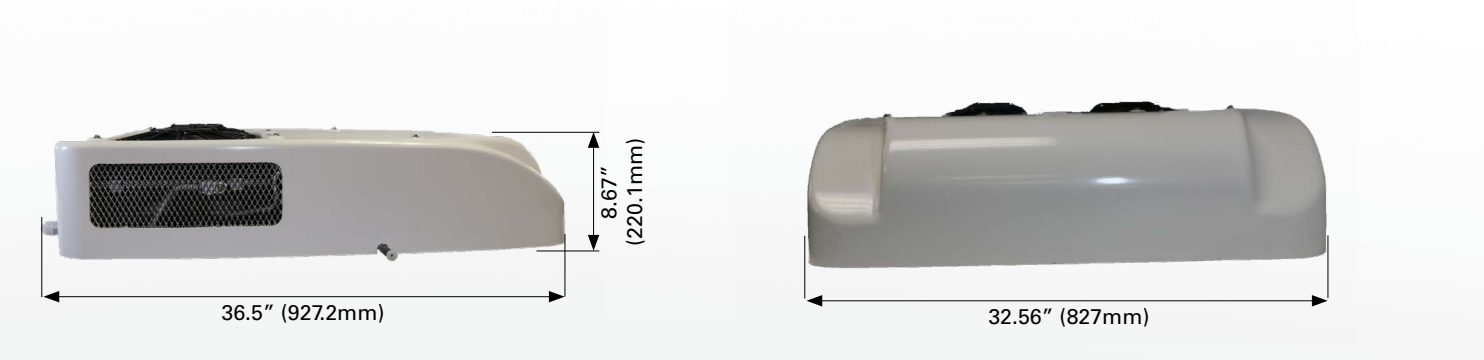
## Technical Specifications

Model	Farad 12V
Voltage	12V
Power	A/C: 27,295 BTU/hr (8,0 kW)
Amps	25 A
Maximum air flow	294 SCFM (500 m <sup>3</sup> /hr)
Dimensions (L x W x H)	36.50in x 32.56in x 8.67in (927.2mm x 827mm x 220.1mm)
Weight	77 lbs. (34,9 kg)
Mounting Position	Roof

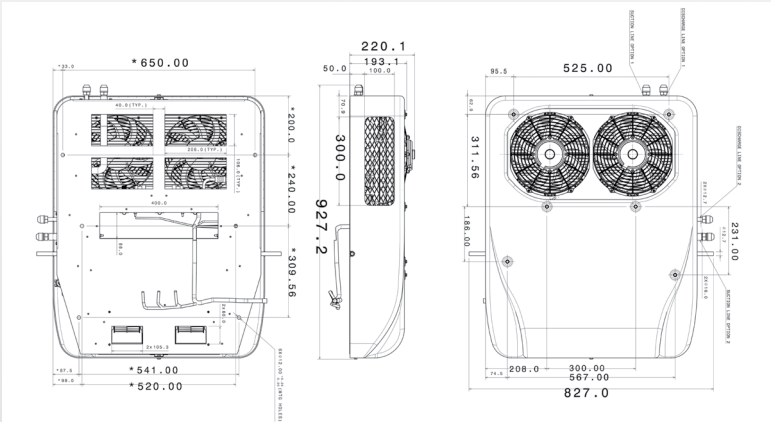
Measurements are listed using the U.S. system with the metric system in parenthesis.

Recommended compressor: minimum TM-21.

Dimensions layout



Line Drawing



Farad Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00044AC12	12V



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**Warranty**  
• 1-year limited warranty



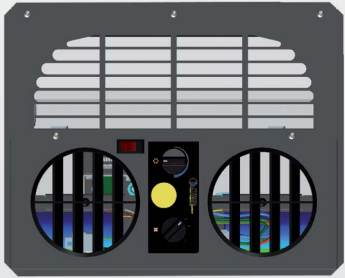
### Features

- Heavy-duty steel construction
- Integrated evaporator with double wheel blower
- Variable speed blower switch
- Adjustable thermostat
- Headliner control panel with integrated light
- Integrated receiver drier and single fan condenser
- Order compressor separately
- Order hose kit separately

### Air Distribution and Control Panel

System comes with chrome hardware kit. A black hardware kit is also available, see page 103

### Suggested Applications

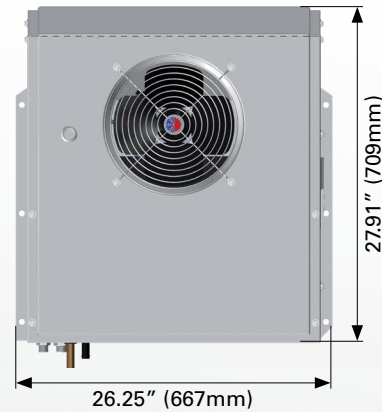


### Technical Specifications

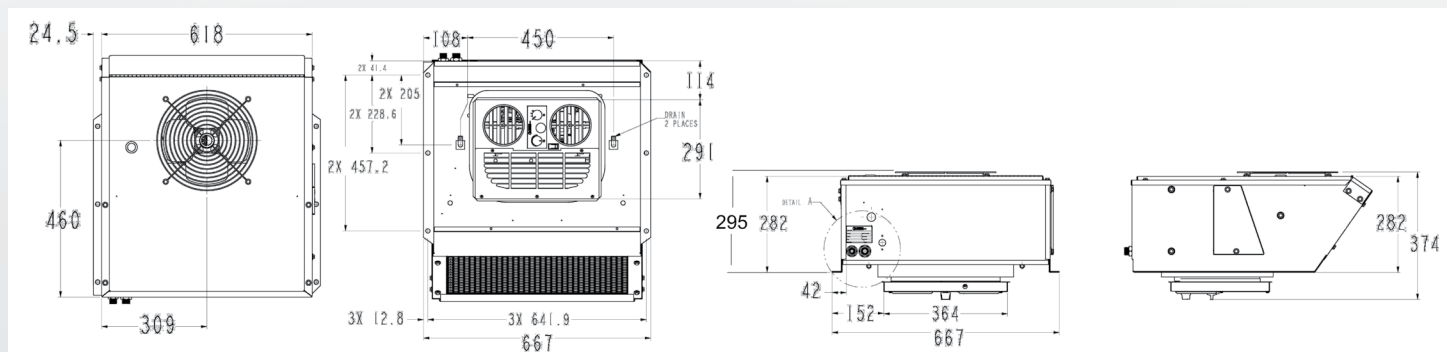
Model	HD-1000 12V	HD-1000 24V
Voltage	12V	24V
Power	25,932 BTU/hr (7,6 kW)	25,932 BTU/hr (7,6 kW)
Amps	32 A	16 A
Maximum air flow	HVAC Blower: 315 SCFM (1,275 m³/hr) Fan: 750 SCFM (1,275 m³/hr)	HVAC Blower: 315 SCFM (1,275 m³/hr) Fan: 750 SCFM (1,275 m³/hr)
Dimensions (L x W x H)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)
Weight	85.1 lbs. (38,6 kg)	85.1 lbs. (38,6 kg)
Mounting Position	Roof	Roof
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	5/8" (#10) tube inverted male o-ring (7/8-14 UNF thread)	5/8" (#10) tube inverted male o-ring (7/8-14 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## HD-1000 System Order Guide

Part	Part Number	Notes
Unit Part Number*	BSP00009AC12	12V
	BSP00009AC24	24V

\*Installation kit included with the system.

## HD-1000 Service Parts Guide

Part	Part Number	Notes
Blower Assembly	1099097 / 1075048	12V / 24V
Resistor	2075006 / 2075008	12V / 24V
Condenser	1575027	12V / 24V
Thermostat	2399004	12V / 24V
Evaporator/Heater Coil	1675017	12V / 24V
Expansion Valve	1875004	12V / 24V
Receiver Drier	1999214	12V / 24V
Switch	High: 2275009, Low: 2275010	12V / 24V
Replacement Recirculation Filter	3175006	12V / 24V
R-134a Hose Kits	3475004 / 3475005	18 ft. / 24 ft.
Black Guard Fan	1000335550	Option to purchase black versus standard chrome
Black M6 Hex Head 25mm Screws	1000898591	Option to purchase black versus standard chrome
Black M6 Hex Head 16mm crews	1000898585	Option to purchase black versus standard chrome
Crimper Kit	2610005	<b>A crimper kit is required.</b> Bergstrom offers a crimper kit for purchase, if needed.



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### Warranty

• 1-year limited warranty

Features

- Heavy-duty steel construction
- Integrated evaporator with double wheel blower
- Variable speed blower switch
- Adjustable thermostat and water valve controls
- Headliner control panel with integrated light
- Integrated receiver drier and single fan condenser
- Order compressor separately
- Order hose kit separately

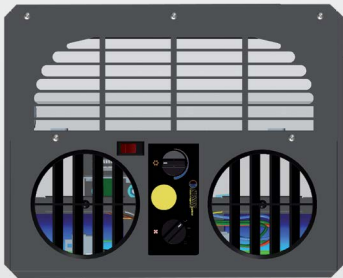


System comes with chrome hardware kit. A black hardware kit is also available, see page 103

Suggested Applications



Air Distribution and Control Panel



Technical Specifications

Model	HD-1000 12V	HD-1000 24V
Voltage	12V	24V
Power	Cold: 25,932 BTU/hr (7,6 kW) Hot: 34,120 BTU/hr (10,0 kW)	Cold: 25,932 BTU/hr (7,6 kW) Hot: 34,120 BTU/hr (10,0 kW)
Amps	32 A	16 A
Maximum air flow	315 SCFM (535 m³/hr)	4315 SCFM (535 m³/hr)
Dimensions (L x W x H)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)
Weight	88 lbs. (40,0 kg)	88 lbs. (40,0 kg)
Mounting Position	Roof	Roof
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	5/8" (#10) tube inverted male o-ring (7/8-14 UNF thread)	5/8" (#10) tube inverted male o-ring (7/8-14 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.







System comes with chrome hardware kit. A black hardware kit is also available, see page 103

### Suggested Applications



### Features

- Heavy-duty steel base construction
- Integrated double wheel plastic blower
- Headliner control panel with integrated light
- Adjustable thermostat control
- Variable speed blower switch
- Integrated receiver drier and single fan condenser
- High & low pressure switch
- Order compressor separately
- Order hose kit separately

### Air Distribution and Control Panel



### Technical Specifications

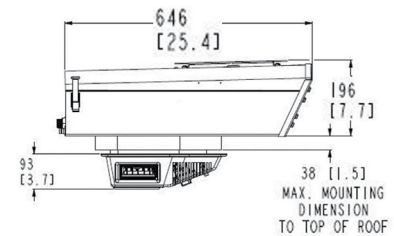
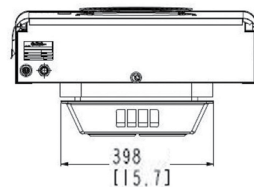
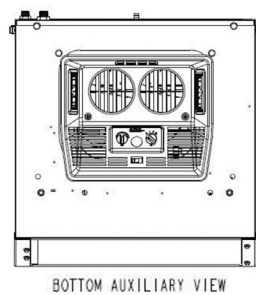
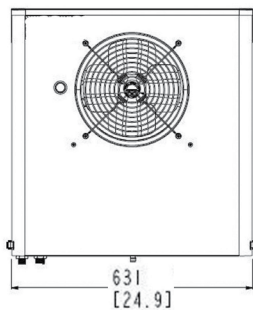
Model	KA-300 12V	KA-300 24V
Voltage	12V	24V
Power	18,900 BTU/hr (5,5 kW)	18,900 BTU/hr (5,5 kW)
Amps	26 A	13 A
Maximum air flow	245 SCFM (416 m³/hr)	245 SCFM (416 m³/hr)
Dimensions (L x W x H)	25.39in x 24.84in x 7.72in (645mm x 631mm x 196mm)	25.39in x 24.84in x 7.72in (645mm x 631mm x 196mm)
Weight	74 lbs. (33.6 kg)	74 lbs. (33.6 kg)
Mounting Position	Roof	Roof
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	5/8" (#10) tube inverted male o-ring (7/8-14 UNF thread)	5/8" (#10) tube inverted male o-ring (7/8-14 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KA-300 Order Guide

Part	Part Number	Notes
Unit Part Number*	BSP00039AC12 BSP00039AC24	12V 24V

\*Installation kit included with the system.

## KA-300 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075044 / 1075046	12V / 24V
Resistor	2075006 / 2075008	12V / 24V
Thermostat	2399004	12V / 24V
Evaporator	1675006	12V / 24V
Fan Switch	2175003	12V / 24V
Expansion Valve	1899035	12V / 24V
Switch (High, Low)	2275005, 2275012	12V / 24V
Receiver Drier	1000310813	12V / 24V
Condenser	1575009	12V / 24V
R-134a Hose Kits	3475004 / 3475005	18 ft. / 24 ft.
Black Guard Fan	1000335550	Option to purchase black versus standard chrome
Black M6 Hex Head 25mm Screws	1000898591	Option to purchase black versus standard chrome
Black M6 Hex Head 16mm Screws	1000898585	Option to purchase black versus standard chrome
Black Latch	1000929194	Option to purchase black versus standard chrome



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

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### Warranty

- 1-year limited warranty

**NOTES:**

[illegible]

# Engine-Driven Headliner Systems

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When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BSP systems have a 1-year warranty.

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Features

- Heavy-duty steel construction
- Low profile headliner mount A/C
- Double wheel blower
- 3-speed blower switch
- Adjustable thermostat control
- Easy access refrigerant hose connections
- (5) Directional shut-off louvers

Air Distribution and Control Panel



Suggested Applications



Recommended Condenser



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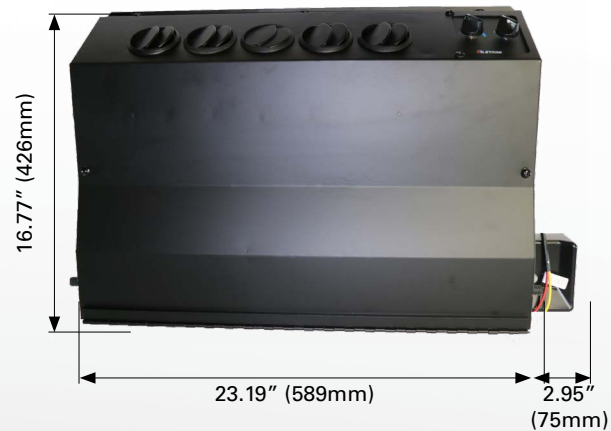
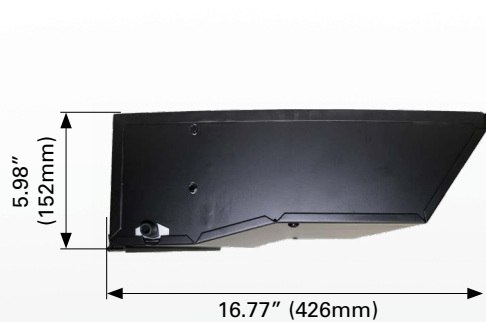
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KA-400 Slimline Technical Specifications

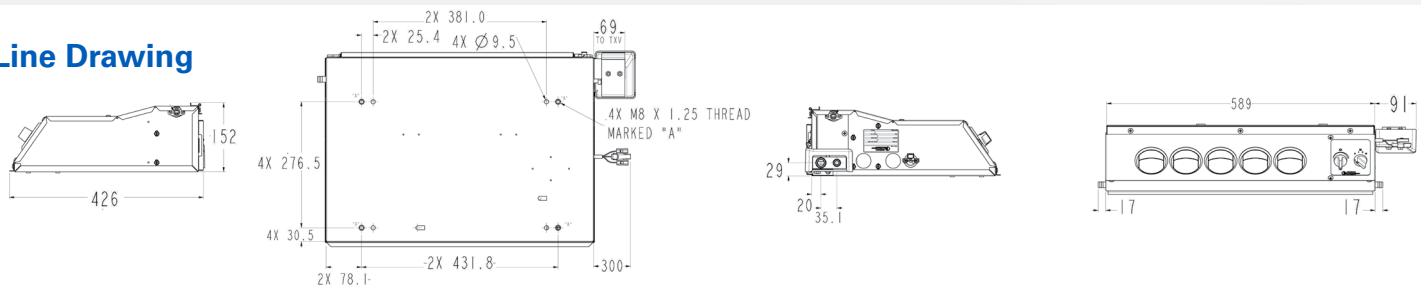
Model	KA-400 12V	KA-400 24V
Voltage	12V	24V
Power	21,838 BTU/hr (6,4 kW)	21,838 BTU/hr (6,4 kW)
Amps	10 A/h	5 A/h
Maximum air flow	280 SCFM (425 m³/hr)	280 SCFM (425 m³/hr)
Dimensions (L x W x H)	23.19in x 16.77in x 5.98in (589mm x 426mm x 152mm)	23.19in x 16.77in x 5.98in (589mm x 426mm x 152mm)
Weight	26 lbs. (11,8 kg)	26 lbs. (11,8 kg)
Mounting Position	Headliner	Headliner

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



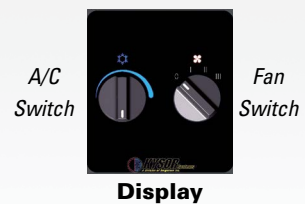
## KA-400 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00007AC12 BSP00007AC24	12V 24V
Installation Kit (includes receiver drier and hoses)*	3475068 3475068	12V 24V

\*Must purchase all parts in order guide for proper installation.

## KA-400 Slimline Service Parts Guide

Part	Part Number	Notes
Blower Assembly	1075056 1075057	12V 24V
Resistor	2075006 2075008	12V 24V
Fan Switch	2199005 2199005	12V 24V
Filter	3475017 3475017	12V 24V
Evaporator	1675015 1675015	12V 24V
Expansion Valve	1899035 1899035	12V 24V
Thermostat	2375001 2375001	12V 24V



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### Warranty

• 1-year limited warranty



## Features

- Heavy-duty steel construction
- Low profile headliner mount A/C
- Double wheel blower
- 3-speed blower switch
- Adjustable thermostat control
- Easy access refrigerant hose connections
- (5) Directional shut-off louvers

## Air Distribution and Control Panel



## Suggested Applications



## Recommended Condenser



**KC-500**  
page 80



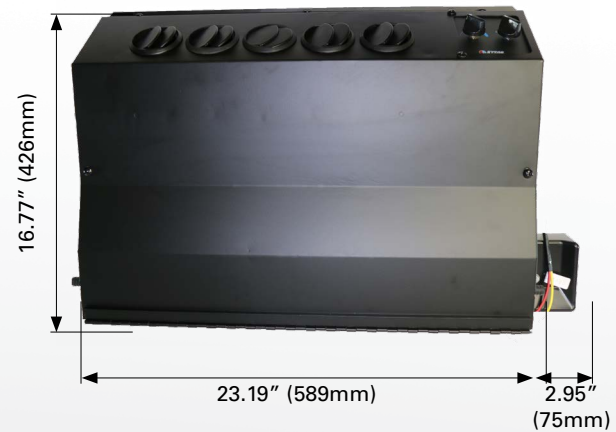
**KC-750**  
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## KK-400 Slimline Technical Specifications

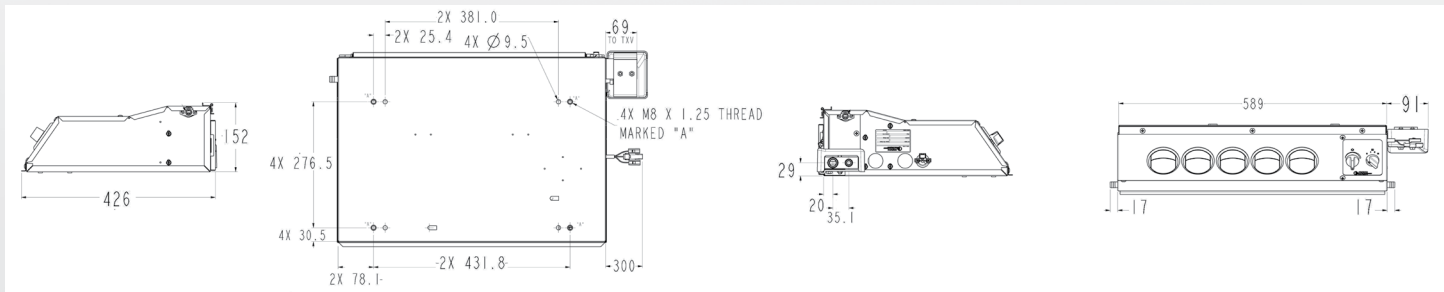
Model	KA-400 12V	KA-400 24V
Voltage	12V	24V
Power	Cold: 21,840 BTU/hr (6,4 kW) Hot: 25,933 BTU/hr (7,6 kW)	Cold: 21,840 BTU/hr (6,4 kW) Hot: 25,933 BTU/hr (7,6 kW)
Amps	10 A	5 A
Maximum air flow	280 SCFM (425 m <sup>3</sup> /hr)	280 SCFM (425 m <sup>3</sup> /hr)
Dimensions (L x W x H)	23.19in x 16.77in x 5.98in (589mm x 426mm x 152mm)	23.19in x 16.77in x 5.98in (589mm x 426mm x 152mm)
Weight	30 lbs. (13,6 kg)	30 lbs. (13,6 kg)
Mounting Position	Headliner	Headliner

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



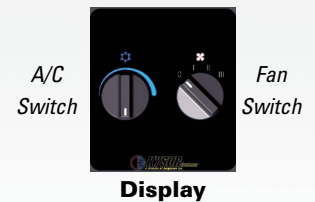
## KK-400 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00002HVAC12 BSP00002HVAC24	12V 24V
Installation Kit (includes receiver drier and hoses)*	3475068	12V
	3475068	24V

\*Must purchase all parts in order guide for proper installation.

## KK-400 Slimline Service Parts Guide

Part	Part Number	Notes
Blower Assembly	1075056 1075057	12V 24V
Resistor	2075006 2075008	12V 24V
Fan Switch	2199005 2199005	12V 24V
Filter	3475017 3475017	12V 24V
Evaporator	1675015 1675015	12V 24V
Expansion Valve	1899035 1899035	12V 24V
Thermostat	2375001 2375001	12V 24V



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty steel base construction
- Molded cover
- (6) Directional louvers
- 3-speed blower switch
- Adjustable thermostat control
- Easy access refrigerant hose connections
- Easy access to washable recirculating air filter
- External refrigerant and power connections

## Air Distribution and Control Panel



## Suggested Applications



## Recommended Condenser



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**KC-440**  
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## KA-500 Hardhat Technical Specifications

Model	KA-500 12V	KA-500 24V
Voltage	12V	24V
Power	29,345 BTU/hr (8,6 kW)	29,345 BTU/hr (8,6 kW)
Amps	13.3 A/h	7.2 A/h
Maximum air flow	305 SCFM (518 m <sup>3</sup> /hr)	305 SCFM (518 m <sup>3</sup> /hr)
Dimensions (L x W x H)	14.91in x 24.09in x 7.07in (378.8mm x 612mm x 179.5mm)	24.09in x 14.91in x 7.07in (612mm x 378.8mm x 179.5mm)
Weight	35.1 lbs. (15,9 kg)	35.1 lbs. (15,9 kg)
Mounting Position	Headliner	Headliner

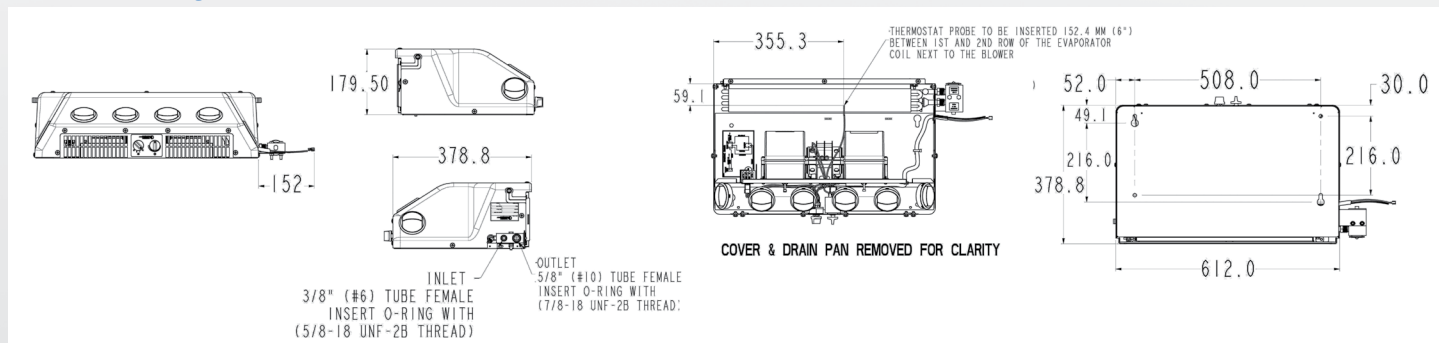
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



## KA-500 Hardhat Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00035AC12 BSP00035AC24	12V 24V
Installation Kit (includes receiver drier and hoses)	3475067 3475067	12V 24V

\*Must purchase all parts in order guide for proper installation.

## KA-500 Hardhat Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075044 1075046	12V 24V
Resistor	2075006 2075008	12V 24V
Thermostat	2375001 2375001	12V 24V
Evaporator	1675026 1675026	12V 24V
Fan Switch	2199005 2199005	12V 24V
Recirculating Filter	3175011 3175011	12V 24V
Fresh Air Filter	3175002 3175002	12V 24V
Expansion Valve	1899035 1899035	12V 24V



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty steel base
- 3-speed double blower package
- Molded cover
- Adjustable thermostat control
- (2) Directional louvers
- Heavy-duty headliner A/C
- Recirculating air filter - easily accessible & washable

## Air Distribution and Control Panel



## Suggested Applications

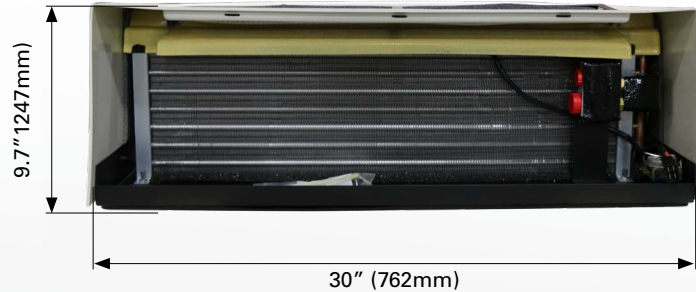
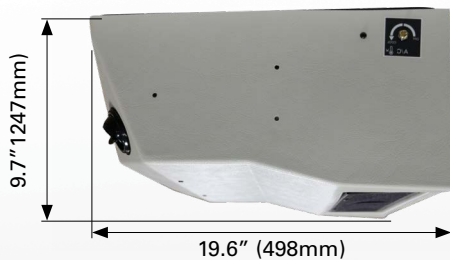


## KA-7100 Technical Specifications

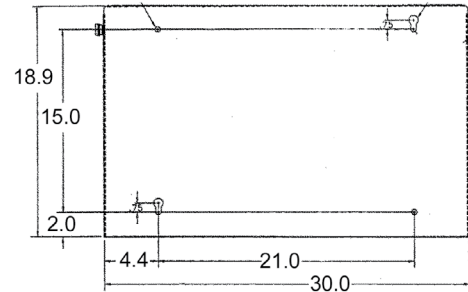
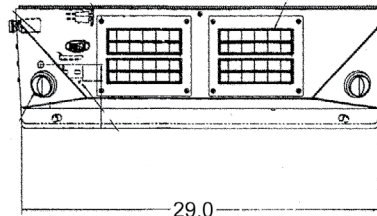
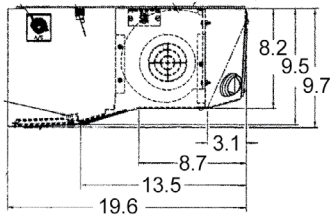
Model	KA-7100 12V
Voltage	12V
Power	49,500 BTU/hr (14,5 kW)
Amps	16.2 A/h
Maximum air flow	550 SCFM (935 m <sup>3</sup> /hr)
Dimensions (L x W x H)	30.0in x 19.6in x 9.7in (762mm x 498mm x 247mm)
Weight	35.1 lbs. (15,9 kg)
Mounting Position	Headliner

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KA-7100 Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00037AC12	12V
Universal Hose Kit	3475087	
Wiring Kit	3475060	

\*Must purchase all parts in order guide for proper installation.

## KA-7100 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075018	12V
Resistor	2099006	12V
Thermostat	2375001	12V
Evaporator	1675020	12V
Filter	3475019	12V
Expansion Valve	1817001	12V



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty steel construction
- (2) 3-speed double blowers
- Adjustable thermostat control
- (4) Directional louvers
- Heavy-duty headliner A/C
- Recirculating air filter - easily accessible & washable

## Air Distribution and Control Panel



## Suggested Applications

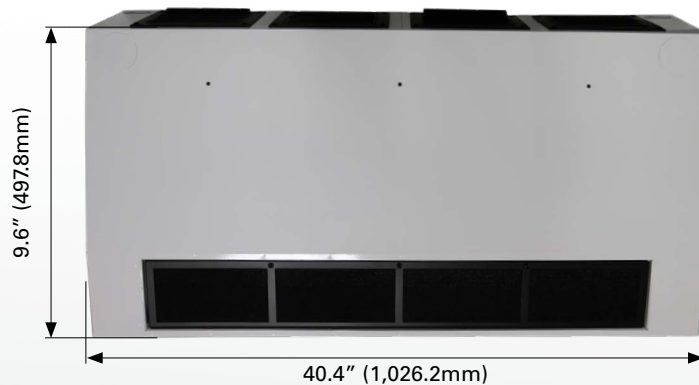
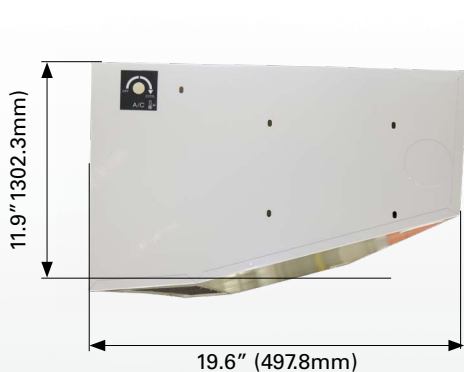


## KA-7300 Technical Specifications

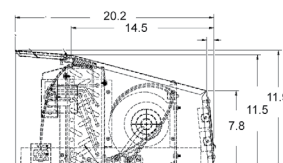
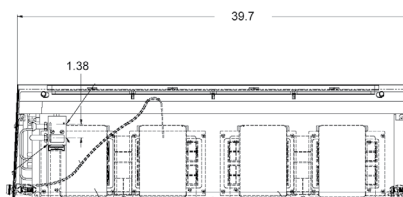
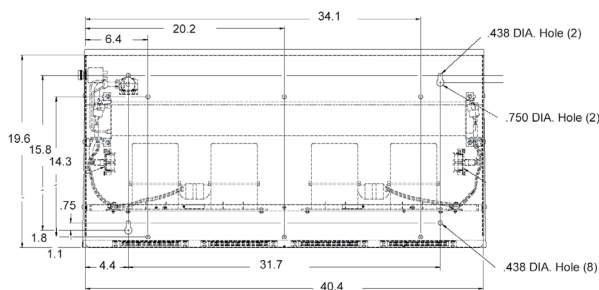
Model	KA-7100 12V
Voltage	12V
Power	75,408 BTU/hr (22,1 kW)
Amps	15 A - 30 A
Maximum air flow	940 SCFM (1597 m <sup>3</sup> /hr)
Dimensions (L x W x H)	40.4in x 20.2in x 11.9in (1026.2mm x 513mm x 302.3mm)
Weight	68 lbs. (30,8 kg)
Mounting Position	Headliner

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KA-7300 Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00038AC12	12V
Universal Hose Kit	3475087	
Wiring Kit	3475060	

\*Must purchase all parts in order guide for proper installation.

## KA-7300 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075018	12V
Resistor	2099006	12V
Thermostat	2375001	12V
Evaporator	1675020	12V
Filter	3475020	12V
Expansion Valve	1817001	12V



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### Warranty

- 1-year limited warranty





## Features

- Shell constructed with durable molded plastic
- Integrated twin scroll blower
- 4 air outlets (choice of spigot or louver)
- 3 fan speeds
- TXV included

## Air Distribution and Control Panel



See other available panel options page 104

## Suggested Applications



## Recommended Condenser



**KC-110**  
page 76



**KC-750**  
page 82

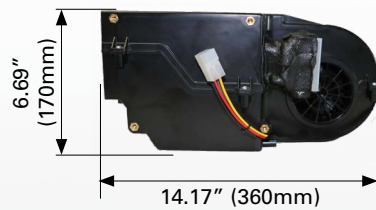
## Kelvin A/C Technical Specifications

Model	Kelvin A/C 12V	Kelvin A/C 24V
Voltage	12V	24V
Power	20,810 BTU/hr (6,1 kW)	20,810 BTU/hr (6,1 kW)
Amps	21.6 A/h	11 A/h
Maximum air flow	460 SCFM (780 m <sup>3</sup> /hr)	460 SCFM (780 m <sup>3</sup> /hr)
Dimensions (L x W x H)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)
Weight	14.3 lbs. (6,5 kg)	14.3 lbs. (6,5 kg)
Mounting Position	Horizontal (Floor or Headliner)	Horizontal (Floor or Headliner)

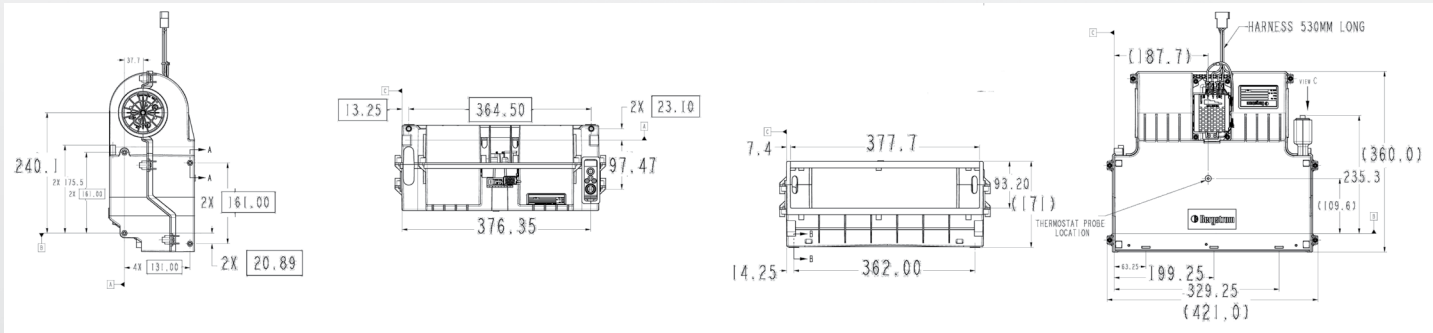
(\*) System output (BTU/hr) is based on system component-calculated capacities in accordance with ISO1515 standard test conditions: outside temperature 100°F (38°C), humidity 40%.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## Kelvin A/C Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00026AC12 BSP00026AC24	12V 24V
Harness	BSP00001CONHAR BSP00002CONHAR BSP00007CONHAR BSP00008CONHAR	4 meters of hose for 12V 8 meters of hose fvor 12V 4 meters of hose for 24V 8 meters of hose fvor 24V
Control Panel	BSP00001CONPAN BSP00002CONPAN BSP00003CONPAN 1001226778	Vertical 12V Horizontal 12V Vertical 24V Horizontal 24V
Fascia Panel	BSP00001PANELKIT BSP00002PANELKIT BSP00004PANELKIT	Four Spigot Outlets Four Chrome and Black Louvers Four Black and Black Louvers
Bracket	BSP00003MOUNTKIT BSP00005MOUNTKIT	Floor/Ceiling Mount Wall/Bulkhead Mount
Condensate Kit	BSP00001DRAINKIT BSP00002DRAINKIT	Single Side Double Side

\*Must purchase one option in each category of the order guide for proper installation.

## Kelvin A/C Service Parts Guide

Part	Part Number	Notes
Blower Motor	1000757353 / 1000796197	12V / 24V
Resistor	2099027	12V / 24V
Evaporator	1000750666	12V / 24V
Expansion Valve	0990013359	12V / 24V
Actuator	1000593041	12V / 24V
Actuator Screws	1000204696	12V / 24V
Thermostat	BSP0001THERM12V-E / Call	12V / 24V

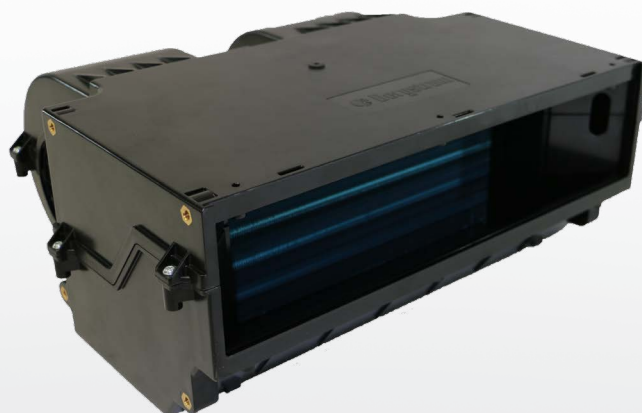


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### Warranty

- 1-year limited warranty



## Features

- Shell constructed with durable molded plastic
- Integrated twin scroll blower
- 4 air outlets (choice of spigot or louver)
- 3 fan speeds
- TXV included
- Integrated heater core

## Air Distribution and Control Panel



See other available panel options page page 104

## Suggested Applications



## Recommended Condenser



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**KC-750**  
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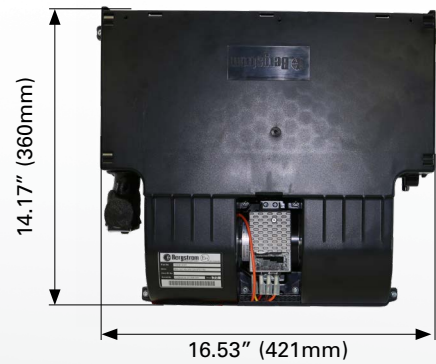
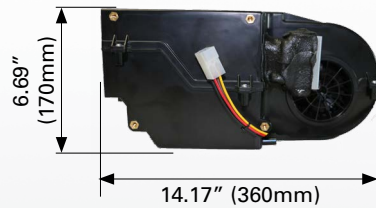
## Kelvin HVAC Technical Specifications

Model	Kelvin HVAC 12V	Kelvin HVAC 24V
Voltage	12V	24V
Power	Cold: 20,810 BTU/hr (6,1 kW) Hot: 32,410 BTU/hr (9,6 kW)	Cold: 20,810 BTU/hr (6,1 kW) Hot: 32,410 BTU/hr (9,6 kW)
Amps	20 A	10.5 A
Maximum air flow	410 SCFM (650 m <sup>3</sup> /hr)	410 SCFM (650 m <sup>3</sup> /hr)
Dimensions (L x W x H)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)
Weight	13.9 lbs. (6.5 kg)	13.9 lbs. (6.5 kg)
Mounting Position	Horizontal (Floor or Headliner)	Horizontal (Floor or Headliner)

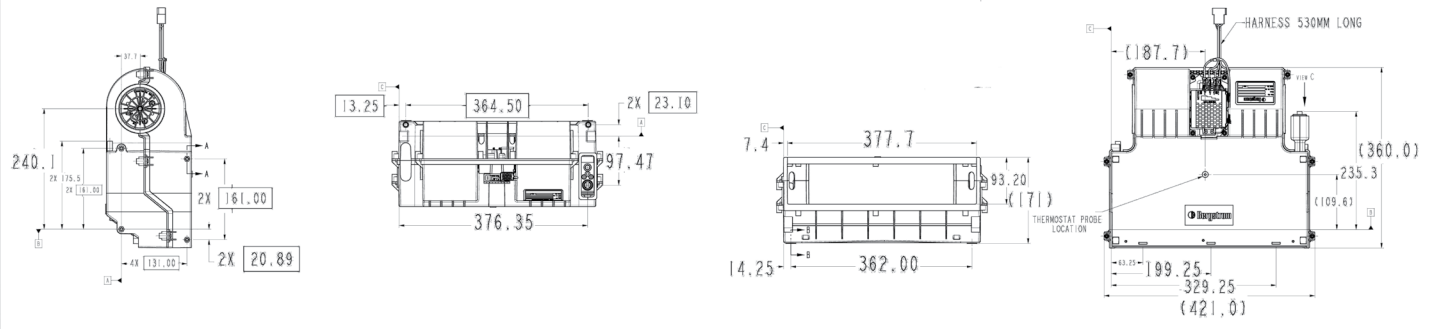
(\*) System output (BTU/hr) is based on system component-calculated capacities in accordance with ISO1515 standard test conditions: outside temperature 100°F (38°C), humidity 40%.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## Kelvin HVAC Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00014HVAC12 BSP00014HVAC24	12V 24V
Harness	BSP00005CONHAR BSP00006CONHAR BSP00009CONHAR BSP00010CONHAR	4 meters of hose for 12V 8 meters of hose fvor 12V 4 meters of hose for 24V 8 meters of hose fvor 24V
Control Panel	BSP00007CONPAN 1001327197	Vertical Horizontal
Fascia Panel	BSP00001PANELKIT BSP00002PANELKIT BSP00004PANELKIT	Four Spigot Outlets Four Chrome and Black Louvers Four Black and Black Louvers
Bracket	BSP00003MOUNTKIT BSP00005MOUNTKIT	Floor/Ceiling Mount Wall/Bulkhead Mount
Condensate Kit	BSP00001DRAINKIT BSP00002DRAINKIT	Single Side Double Side

\*Must purchase one option in each category of the order guide for proper installation.

## Kelvin HVAC Service Parts Guide

Part	Part Number	Notes
Blower Motor	1000757353 / 1000796197	12V / 24V
Resistor	2099027	12V / 24V
Evaporator	1000750666	12V / 24V
Heater Coil	1000960129	12V / 24V
Water Valve	1001597661 / 2499157	12V / 24V
Expansion Valve	0990013359	12V / 24V
Actuator	1000593041	12V / 24V
Actuator Screws	1000204696	12V / 24V
Thermostat	BSP0001THERM12V-E / Call	12V / 24V



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### Warranty

- 1-year limited warranty





Features

- Shell constructed with durable molded plastic
- Integrated twin scroll blowers
- 3 air outlets (choice of spigot or louver)
- 3 fan speeds
- TXV included

Air Distribution and Control Panel



See other available panel options page 104

Suggested Applications



Recommended Condenser



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page 74



KC-500  
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KC-750  
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Pascal A/C Technical Specifications

Model	Pascal A/C 12V	Pascal A/C 24V
Voltage	12V	24V
Power	Cold: 20,810 BTU/hr (6,1 kW) Hot: 32,410 BTU/hr (9,6 kW)	Cold: 20,810 BTU/hr (6,1 kW) Hot: 32,410 BTU/hr (9,6 kW)
Amps	20 A	10.5 A
Maximum air flow	410 SCFM (650 m³/hr)	410 SCFM (650 m³/hr)
Dimensions (L x W x H)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)
Weight	13.9 lbs. (6.5 kg)	13.9 lbs. (6.5 kg)
Mounting Position	Horizontal (Floor or Headliner)	Horizontal (Floor or Headliner)

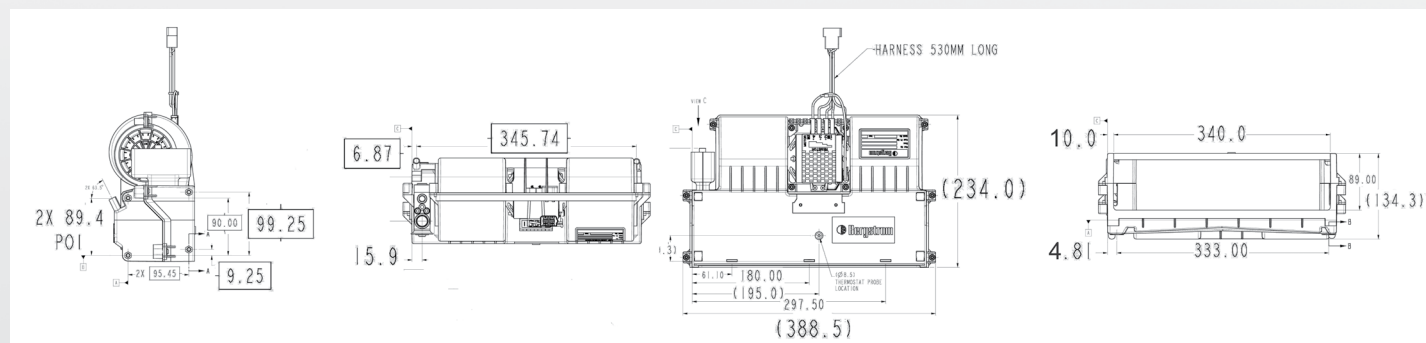
(\*) System output (BTU/hr) is based on system component-calculated capacities in accordance with ISO1515 standard test conditions: outside temperature 100°F (38°C), humidity 40%.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## Pascal A/C Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00025AC12 BSP00025AC24	12V 24V
Harness	BSP00001CONHAR BSP00002CONHAR	4 meters of hose 8 meters of hose
Control Panel	BSP00001CONPAN BSP00002CONPAN	Vertical Horizontal
Fascia Panel	BSP00003PANELKIT BSP00005PANELKIT BSP00006PANELKIT	Three Chrome and Black Louvers Three Spigot Outlets Three Black and Black Louvers
Bracket	BSP00004MOUNTKIT BSP00006MOUNTKIT	Floor/Ceiling Mount Wall/Bulkhead Mount
Condensate Kit	BSP00001DRAINKIT BSP00002DRAINKIT	Single Side Double Side

\*Must purchase one option in each category of the order guide for proper installation.

## Pascal A/C Service Parts Guide

Part	Part Number	Notes
Blower Motor	1000777603 / 1000783637	12V / 24V
Resistor	2099027	12V / 24V
Evaporator	1000763896	12V / 24V
Expansion Valve	0990013359	12V / 24V
Water Valve	1000651116	12V / 24V
Actuator	1000593041	12V / 24V
Actuator Screws	1000240696	12V / 24V
Thermostat	BSP0001THERM12V-E / Call	12V / 24V



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### Warranty

- 1-year limited warranty



**NOTES:**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Engine-Driven Backwall Systems

KA-550 SLIMLINE	58
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KK-600 BACKPACK	62
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VERTICAL GRANDE A/C	66
VERTICAL GRANDE HVAC	68
VERTICAL PICCOLO A/C	70



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BSP systems have a 1-year warranty.

Availability of the products shown in this catalog is subject to change without notice by Bergstrom, Inc. For the most current product information please visit the Kysor distributor website at <https://parts.kysorhvac.com/>.



### Suggested Applications



### Features

- Heavy-duty steel construction
- Durable double wheel blower
- 3-speed blower switch
- Adjustable thermostat
- Easy access refrigerant hose connections
- (3) 3" Directional top louvers
- (2) 3" Directional front louvers
- Adjustable fresh air | recirculating air door

### Air Distribution and Control Panel



### Recommended Condenser



**KC-90**  
page 74



**KC-500**  
page 80



**KC-750**  
page 82



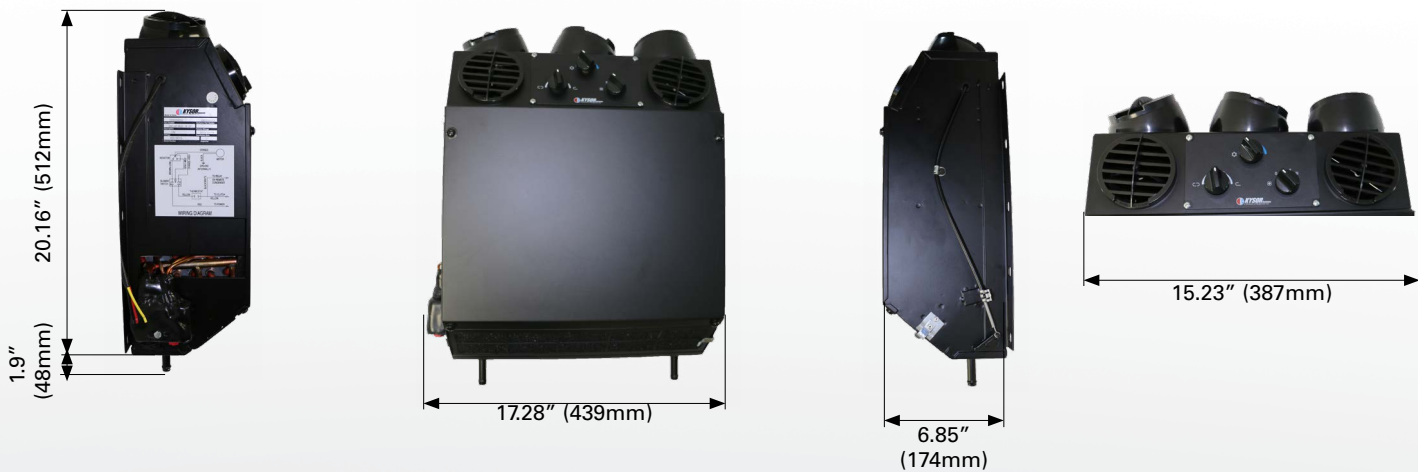
**KC-3000**  
page 84

### Technical Specifications

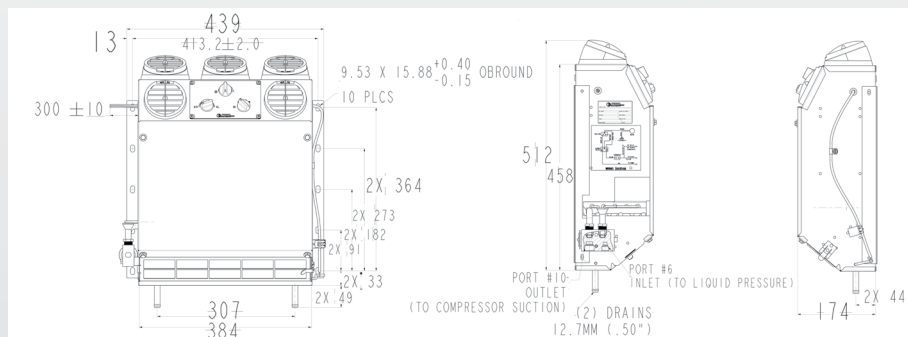
Model	KA-550 12V	KA-550 24V
Voltage	12V	24V
Power	19,449 BTU/hr (5,7 kW)	19,449 BTU/hr (5,7 kW)
Amps	12 A	7 A
Maximum air flow	275 SCFM (467 m <sup>3</sup> /hr)	275 SCFM (467 m <sup>3</sup> /hr)
Dimensions (W x H x D)	17.28in x 20.16in x 6.85in (439mm x 512mm x 174mm)	17.28in x 20.16in x 6.85in (439mm x 512mm x 174mm)
Weight	34 lbs. (15,4 kg)	34 lbs. (15,4 kg)
Mounting Position	Wall	Wall

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



A/C Switch



Recirculation Switch Fan Switch

## KA-550 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00008AC12	12V
	BSP00008AC24	24V
Installation Kit (includes receiver drier and hoses)	3475069	12V
	3475069	24V

\*Must purchase all parts in order guide for proper installation.

## KA-550 Slimline Service Parts Guide

Part	Part Number	Notes
Blower Assembly	1075044	12V
	1075046	24V
Resistor	2099016	12V
	2075008	24V
Filter	3175012	12V
	3175012	24V
Evaporator	1675019	12V
	1675019	24V
Expansion Valve	1899046	12V
	1899046	24V
Fresh Air Filter	3475053	12V
	3475053	24V
Recirculating Air Filter	3175012	12V
	3175012	24V



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### Warranty

- 1-year limited warranty



### Suggested Applications



### Features

- Heavy-duty steel construction
- Durable double wheel blower
- 3-speed blower switch
- Adjustable thermostat and water valve controls
- Easy access refrigerant hose connections
- (3) 3" Directional top louvers
- (2) 3" directional front louvers
- Adjustable fresh air | recirculating air door

### Air Distribution and Control Panel



### Recommended Condenser



**KC-90**  
page 74



**KC-500**  
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**KC-750**  
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**KC-3000**  
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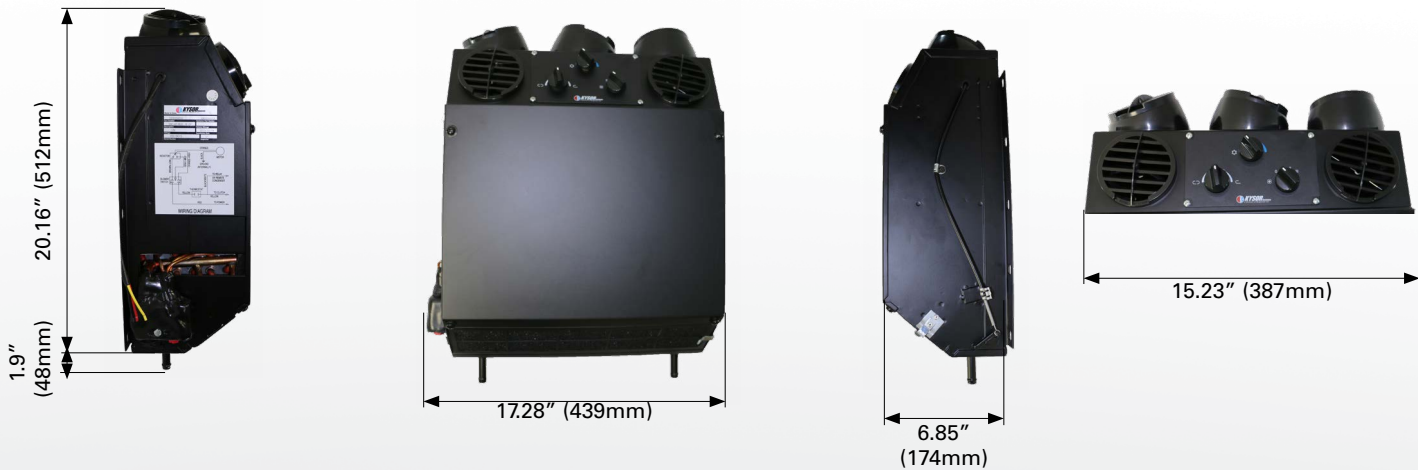
### Technical Specifications

Model	KK-550 12V	KK-550 24V
Voltage	12V	24V
Power	Cold: 19,449 BTU/hr (5,7 kW) Hot: 33,500 BTU/hr (9,8 kW)	Cold: 19,449 BTU/hr (5,7 kW) Hot: 33,500 BTU/hr (9,8 kW)
Amps	12 A	7 A
Maximum air flow	275 SCFM (467 m <sup>3</sup> /hr)	275 SCFM (467 m <sup>3</sup> /hr)
Dimensions (W x H x D)	17.28in x 6.85in x 20.16in (439mm x 174mm x 512mm)	17.28in x 6.85in x 20.16in (439mm x 174mm x 512mm)
Weight	37.04 lbs. (16,8 kg)	37.04 lbs. (16,8 kg)
Mounting Position	Wall	Wall

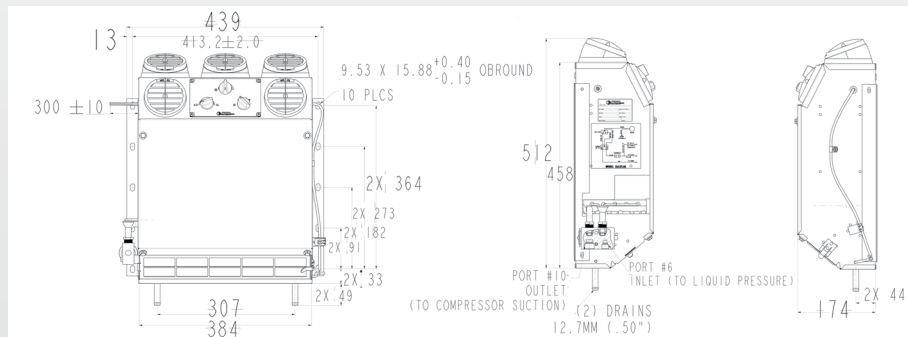
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



Switch A/C



Switch recirculation Switch Fan

## KK-550 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00003HVAC12 BSP00003HVAC24	12V 24V
Installation Kit (includes receiver drier and hoses)	3475069 3475069	12V 24V

\*Must purchase all parts in order guide for proper installation.

## KK-550 Slimline Service Parts Guide

Part	Part Number	Notes
Blower Assembly	1099097 1075046	12V 24V
Resistor	2099016 2075001	12V 24V
Filter	3175004	12V / 24V
Evaporator	1675019	12V / 24V
Expansion Valve	1899046	12V / 24V
Heater Coil	1775013	12V / 24V
Water Valve	2499116	12V / 24V
Fresh Air Filter	3475053	12V / 24V
Recirculating Air Filter	3175012	12V / 24V



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### Warranty

- 1-year limited warranty



Features

- Heavy-duty steel construction
- 3-speed blower switch
- Adjustable thermostat and water valve controls
- Double wheel blower
- Easy access refrigerant and heater hose connections
- (3) 3" directional top louvers
- (4) directional front louvers

Air Distribution and Control Panel



Suggested Applications



Recommended Condenser



**KC-110**  
page 76

Technical Specifications

Model	KK-600 Backpack 12V	KK-600 Backpack 24V
Voltage	12V	24V
Power	Cold: 33,439 BTU/hr (9,8 kW) Hot: 47,770 BTU/hr (14,0 kW)	Cold: 33,439 BTU/hr (9,8 kW) Hot: 47,770 BTU/hr (14,0 kW)
Amps	12 A	6 A
Maximum air flow	325 SCFM (552 m³/hr)	325 SCFM (552 m³/hr)
Dimensions (W x H x D)	19.9in x 28.7in x 9.2in (506mm x 729mm x 233mm)	19.9in x 28.7in x 9.2in (506mm x 729mm x 233mm)
Weight	70 lbs. (31.8 kg)	70 lbs. (31.8 kg)
Mounting Position	Wall	Wall

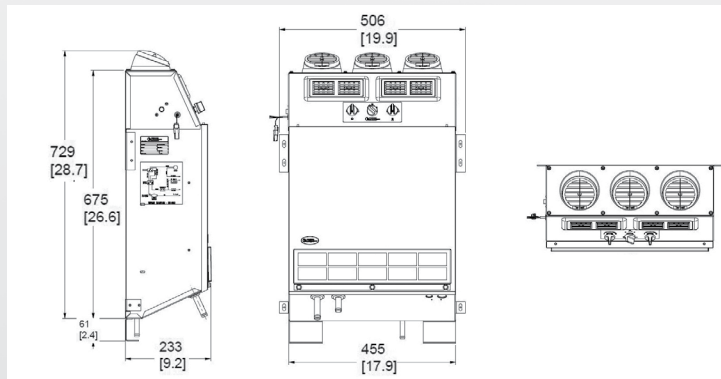
Measurements are listed using the U.S. system with the metric system in parenthesis.

Recommended Compressor: TM-21

## Dimensions layout



## Line Drawing



## KK-600 Backpack Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00016HVAC12 BSP00016HVAC24	12V 24V
Installation Kit (includes receiver drier and hoses)	3475070 3475070	12V 24V

\*Must purchase all parts in order guide for proper installation.

## KK-600 Backpack Service Parts Guide

Part	Part Number	Notes
Blower Motor	1099087 1075048	12V 24V
Blower Wheel	1199028	12V / 24V
Resistor	2075006 2075008	12V 24V
Thermostat	2399004	12V / 24V
Evaporator	1675010	12V / 24V
Expansion Valve	1899046	12V / 24V
Heater Coil	1775007	12V / 24V
Water Valve	2499116	12V / 24V
Relay	2475010	12V / 24V



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty steel base construction
- Double wheel blower
- 3-speed blower switch
- Adjustable temperature control
- (4) 3" adjustable front louvers

## Air Distribution and Control Panel



## Suggested Applications



## Recommended Condenser



**KC-110**  
page 76

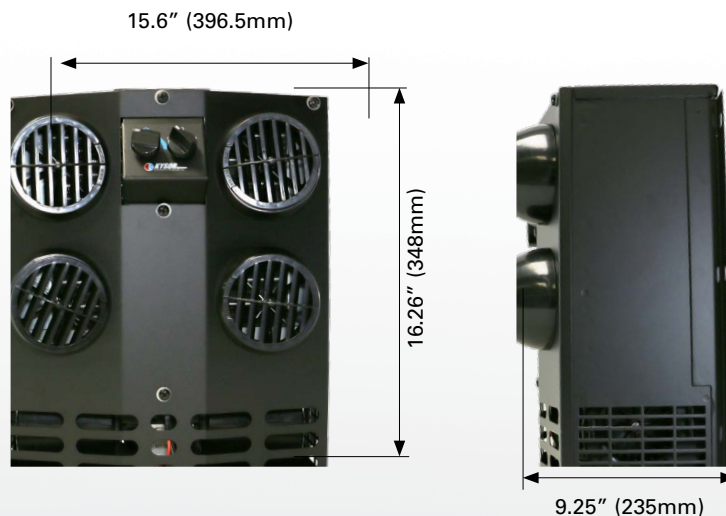
## Technical Specifications

Model	KA-710 Sidekick 12V	KA-710 Sidekick 24V
Voltage	12V	24V
Power	24,500 BTU/hr (7,2 kW)	24,500 BTU/hr (7,2 kW)
Amps	14 A	7 A
Maximum air flow	285 SCFM (484 m <sup>3</sup> /hr)	285 SCFM (484 m <sup>3</sup> /hr)
Dimensions (W x H x D)	15.6in x 15.61in x 9.25in (396.5mm x 396.5mm x 235mm)	15.6in x 15.61in x 9.25in (396.5mm x 396.5mm x 235mm)
Weight	29 lbs. (13,2 kg)	29 lbs. (13,2 kg)
Mounting Position	Wall	Wall

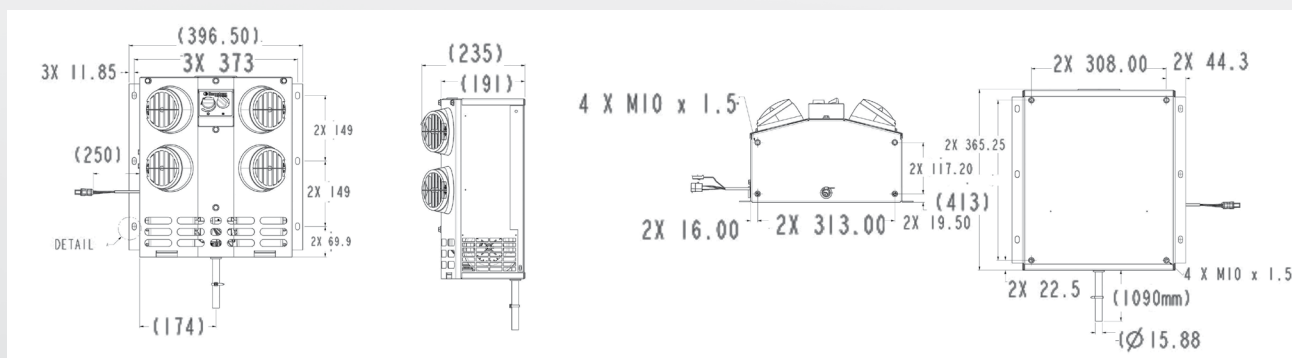
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



## KA-710 Sidekick Order Guide\*

Part	Part Number	Notes
Unit Part Number	BSP00036AC12 BSP00036AC24	12V 24V
Installation Kit (includes receiver drier, wall mounting kit and hoses)	3475098 3475098	12V 24V
Floor Mounting Kit (Optional)	3475099	12V / 24V

\*Must purchase all parts in order guide for proper installation.

## KA-710 Sidekick Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075043 1075047	12V 24V
Resistor	2075006 2075008	12V 24V
Thermostat	2399004	12V / 24V
Evaporator	1675001	12V / 24V
Fan Switch	2199005	12V / 24V
Expansion Valve	1899046	12V / 24V
Filter	3175005	12V / 24V
Condenser	1599100	12V / 24V



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### Warranty

- 1-year limited warranty





Suggested Applications



Features

- Heavy-duty steel construction
- Durable double wheel blower
- Variable speed blower switch
- Adjustable thermostat
- 3-speed blower switch
- (3) Directional top louvers

Air Distribution and Control Panel



Recommended Condenser



**KC-110**  
page 76



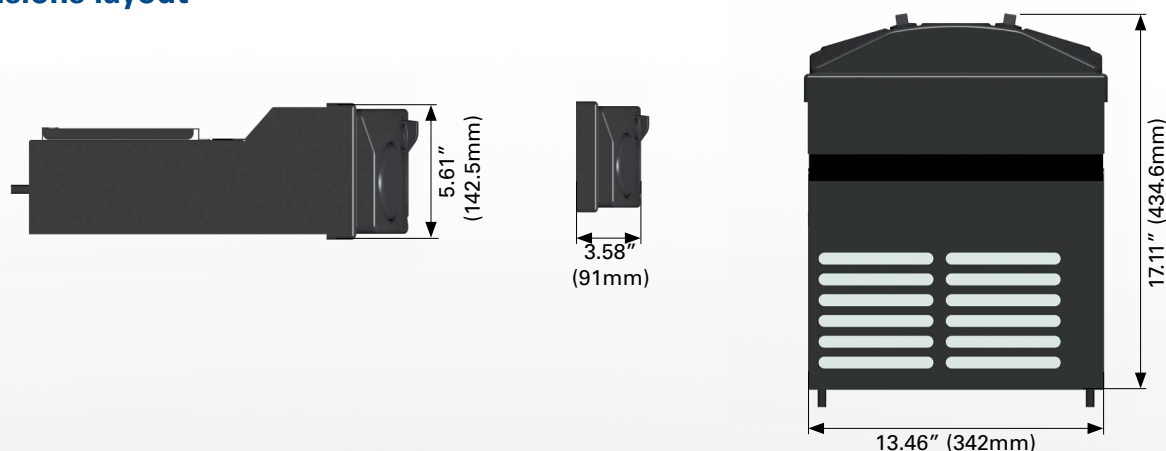
**KC-750**  
page 82

Technical Specifications

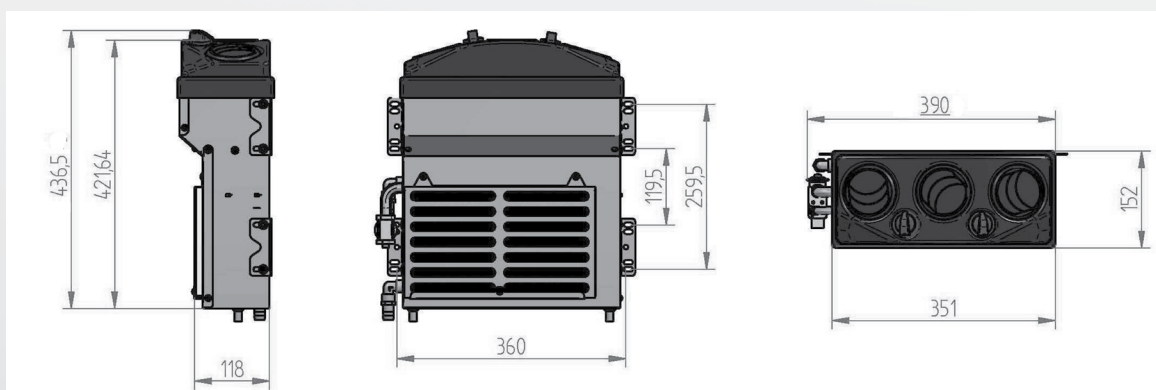
Model	Vertical Grande 12V	Vertical Grande 24V
Voltage	12V	24V
Power	28,320 BTU/hr (8,3 kW)	28,320 BTU/hr (8,3 kW)
Amps	15.2 A	8.5 A
Maximum air flow	460 SSCFM (780 m³/hr)	460 SSCFM (780 m³/hr)
Dimensions (W x H x D)	15.35in x 5.98in x 17.2in (390mm x 152mm x 436.55mm)	15.35in x 5.98in x 17.2in (390mm x 152mm x 436.55mm)
Weight	21.6 lbs. (9,8 kg)	21.6 lbs. (9,8 kg)
Mounting Position	Wall	Wall

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## Vertical Grande A/C Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00010AC12 BSP00010AC24	12V 24V

## Vertical Grande A/C Service Parts Guide

Part	Part Number	Notes
Blower Assembly	1000777603 1000783637	12V 24V
Resistor	2099027 2099027	12V 24V
Evaporator	1000763896 1000763896	12V 24V



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### Warranty

- 1-year limited warranty



### Suggested Applications



### Features

- Heavy-duty steel construction
- Durable double wheel blower
- Variable speed blower switch
- Adjustable thermostat and water valve control
- 3-speed blower switch
- (3) Directional top louvers

### Air Distribution and Control Panel



### Recommended Condenser



**KC-110**  
page 76



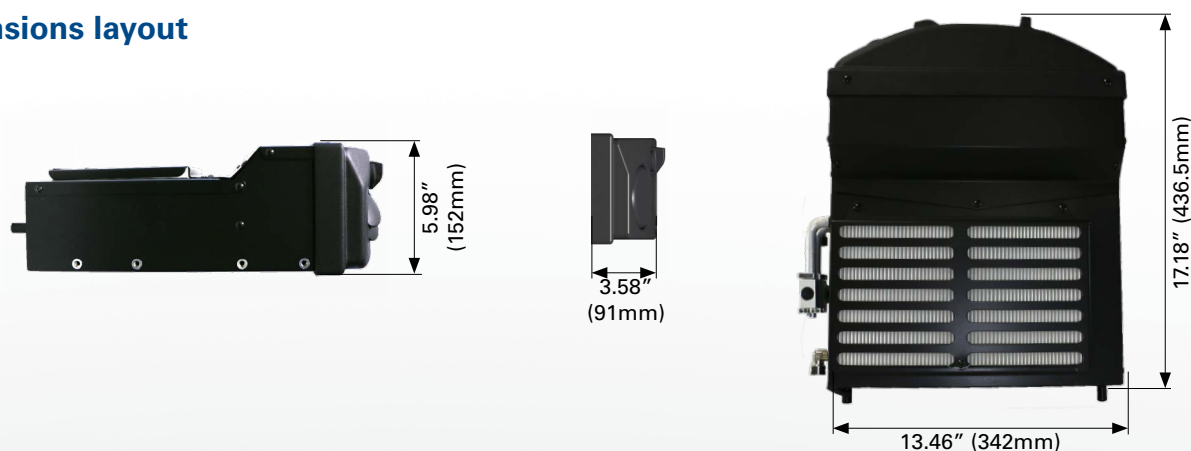
**KC-750**  
page 82

### Technical Specifications

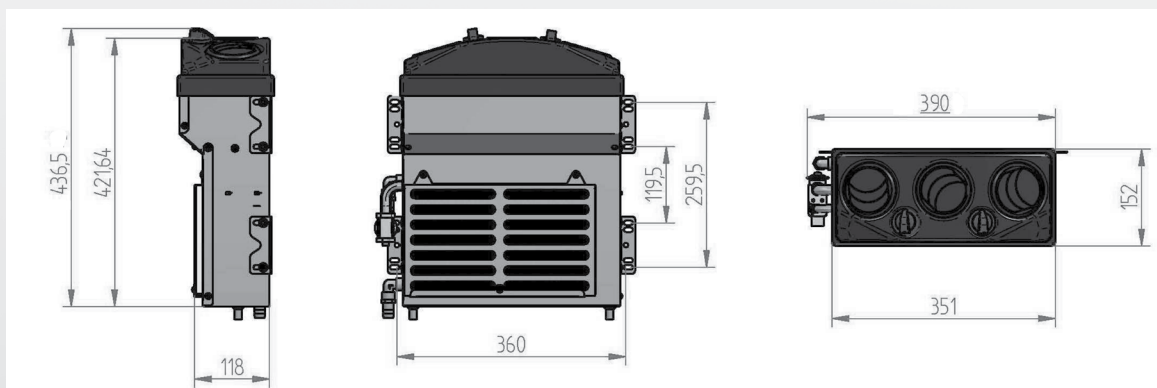
Model	Vertical Grande 12V	Vertical Grande 24V
Voltage	12V	24V
Power	Cold: 28,320 BTU/hr (8.3 kW) Hot: 19,110 BTU/hr (5.6 kW)	Cold: 28,320 BTU/hr (8.3 kW) Hot: 19,110 BTU/hr (5.6 kW)
Amps	15.2 A	8.5 A
Maximum air flow	460 SCFM (780 m³/hr)	460 SCFM (780 m³/hr)
Dimensions (W x H x D)	15.35in x 5.98in x 17.2in (390mm x 152mm x 436.55mm)	15.35in x 5.98in x 17.2in (390mm x 152mm x 436.55mm)
Weight	21.6 lbs. (9.8 kg)	21.6 lbs. (9.8 kg)
Mounting Position	Wall	Wall

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## Vertical Grande HVAC Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00007HVAC12 BSP00007HVAC24	12V 24V

## Vertical Grande HVAC Order Guide

Part	Part Number	Notes
Blower Assembly	1000777603	12V
	1000783637	24V
Resistor	2099027	12V
	2099027	24V
Evaporator	1000763896	12V
	1000763896	24V



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### Warranty

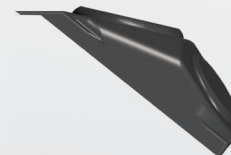
- 1-year limited warranty



## Features

- Durable double wheel blower
- Variable speed blower switch
- Adjustable thermostat
- Small footprint

## Air Distribution and Control Panel



## Suggested Applications



## Recommended Condenser



**KC-90**  
page 74



**KC-500**  
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**KC-750**  
page 82



**KC-3000**  
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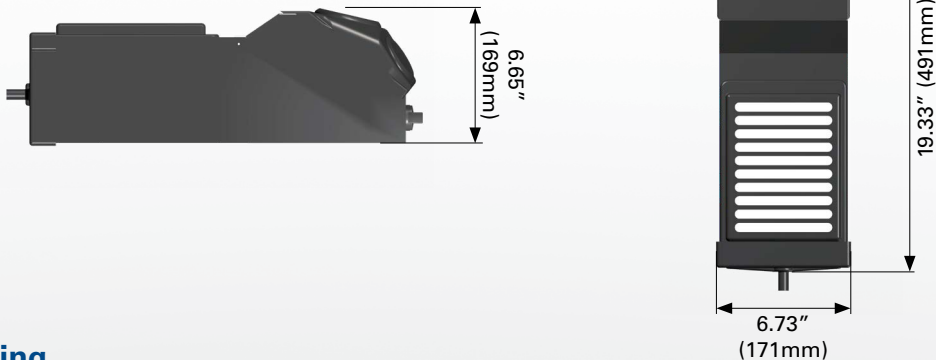
## Technical Specifications

Model	Vertical Grande 12V	Vertical Grande 24V
Voltage	12V	24V
Power	18,770 BTU/hr (5.5 kW)	18,770 BTU/hr (5.5 kW)
Amps	12 A	8 A
Maximum air flow	260 SCFM (450 m <sup>3</sup> /hr)	260 SCFM (450 m <sup>3</sup> /hr)
Dimensions (W x H x D)	6.73in x 6.65in x 19.33in (171mm x 169mm x 491mm)	6.73in x 6.65in x 19.33in (171mm x 169mm x 491mm)
Weight	17.1 lbs. (7.8 kg)	17.1 lbs. (7.8 kg)
Mounting Position	Wall	Wall

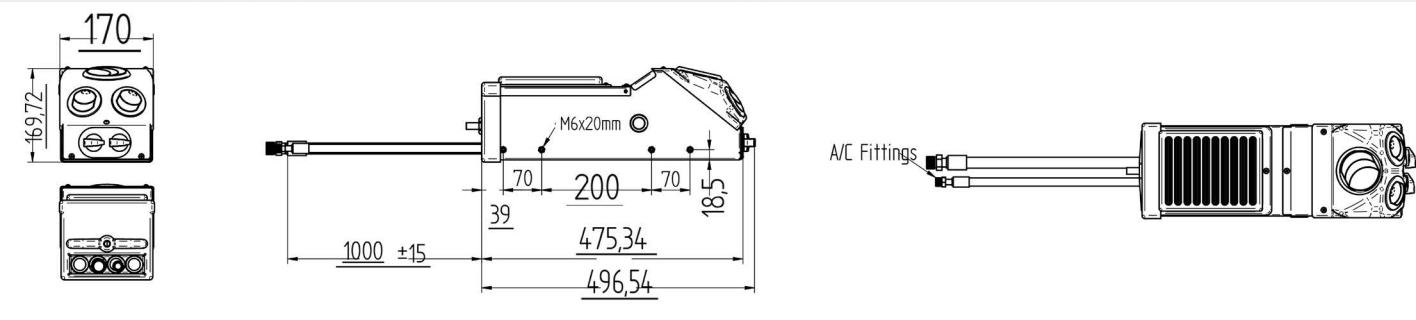
Measurements are listed using the U.S. system with the metric system in parenthesis.



Dimensions layout



Line Drawing



Vertical Piccolo AC Order Guide

Part	Part Number	Notes
Unit Part Number*	BSP00011AC12 BSP00011AC24	12V 24V

\*Installation kit included with system.



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**Warranty**  
• 1-year limited warranty

**NOTES:**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Condensers

DBC-100	74
KC-90	76
KC-110	78
KC-440	80
KC-500	82
KC-750	84
KC-3000	86



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All BSP systems have a 1-year warranty.

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## Features

- Heavy-duty steel construction
- Integrated receiver drier
- Includes electrical motor compressor



## Suggested Applications



## Recommended Evaporator



**Pascal A/C**  
page 52



**Vertical Grande A/C**  
page 64



**Vertical Piccolo A/C**  
page 68

## Technical Specifications

Model	DBC-100 12V	DBC-100 24V
Voltage	12V	24V
Power*	6,824 BTU/hr (2,0 kW)	10,920 BTU/hr (3,2 kW)
Amps**	32 A - 48 A	27 A - 35 A
Dimensions (L x W x H)	23.50in x 13.92in x 12.81in (597mm x 353.5mm x 325.5mm)	23.50in x 13.92in x 12.81in (597mm x 353.5mm x 325.5mm)
Weight	72.8 lbs. (33 kg)	72.8 lbs. (33 kg)
Mounting Position	Wall or Chassis	Wall or Chassis

(\*) System output (BTU/hr) is based on system component-calculated capacities. In accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

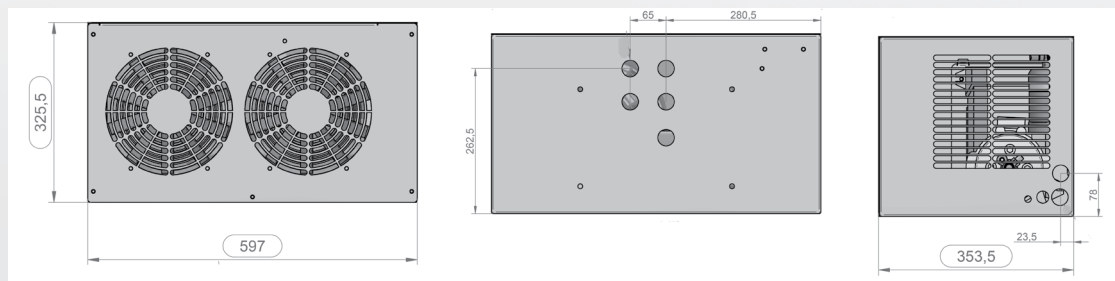
(\*\*) Test conditions: outside temperature between 86°F (30°C) and 107°F (42°C).

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## DBC-100 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00010COND12 BSP00010COND24	12V 24V

## DBC-100 Service Parts Guide

Part	Part Number	Notes
Condenser	270501000 270501000	12V 24V
Condenser Fan	1752050000 1753010000	12V 24V
Receiver Drier	1741330000 1741330000	12V 24V



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### Warranty

- 1-year limited warranty



System comes with chrome hardware kit. A black hardware kit is also available,  
see page 103

## Features

- Low profile single fan rooftop condenser
- Heavy-duty steel base construction
- Lightweight and molded cover
- Heavy-duty tube and fin condenser coil
- Durable permanent magnet motor
- Integrated receiver drier

## Suggested Applications



## Recommended Evaporator



**KA-550**  
page 56



**KK-550**  
page 58



**Pascal A/C**  
page 52

## Technical Specifications

Model	KC-90 12V	KC-90 24V
Voltage	12V	24V
Power	25,933 BTU/hr (7,6 kW)	25,933 BTU/hr (7,6 kW)
Amps	10 A	5 A
Maximum air flow	775 SCFM (1,317 m <sup>3</sup> /hr)	775 SCFM (1,317 m <sup>3</sup> /hr)
Dimensions (L x W x H)	26.97in x 32in x 8.58in (685mm x 813mm x 218mm)	26.97in x 32in x 8.58in (685mm x 813mm x 218mm)
Weight	42.1 lbs. (19,1 kg)	42.1 lbs. (19,1 kg)
Mounting Position	Roof	Roof
Mounting Stud	(4) M8 thread	(4) M8 thread
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)

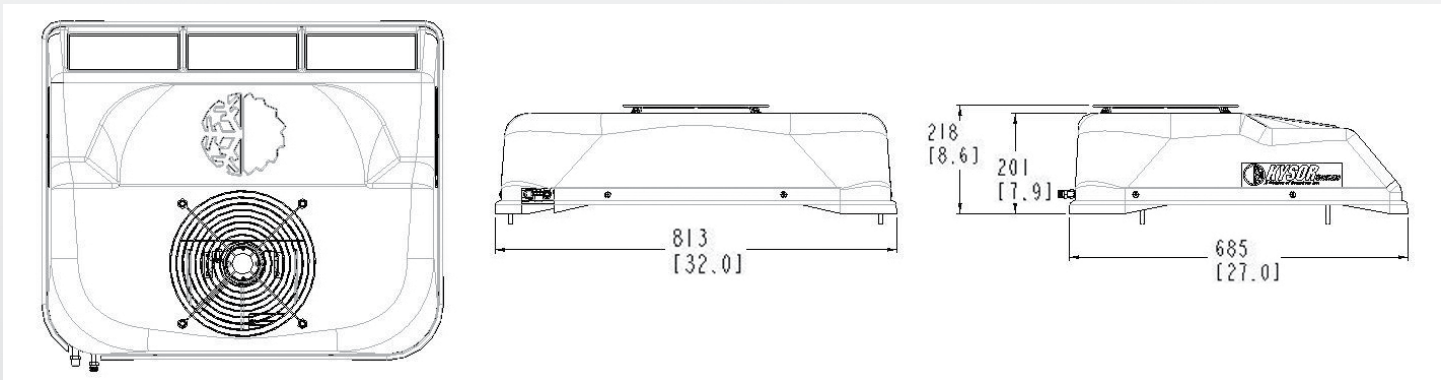
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



## KC-90 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00003COND12 BSP00003COND24	12V 24V

## KC-90 Service Parts Guide

Part	Part Number	Notes
Condenser	1575025 1575025	12V 24V
Condenser Fan	1275003 1275003	12V 24V
Receiver Drier	1999226 1999226	12V 24V
Motor	1099087 1099087	12V 24V
Black Guard Fan	1000335550	Option to purchase black versus standard chrome
Black M6 Hex Head 25mm Screws	1000898591	Option to purchase black versus standard chrome
Black M6 Hex Head 16mm Screws	1000898585	Option to purchase black versus standard chrome



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### Warranty

• 1-year limited warranty



System comes with chrome hardware kit. A black hardware kit is also available,  
see page 103

## Features

- Low profile dual fan rooftop condenser
- Heavy-duty steel base construction
- Molded cover
- Heavy-duty tube and fin condenser coil
- Durable permanent magnet motor

## Suggested Applications



## Recommended Evaporator



**KA-500**  
page 56



**KA-710**  
page 62



**KK-600**  
page 60



**Kelvin A/C or  
HVAC**  
page 48, 50

## Technical Specifications

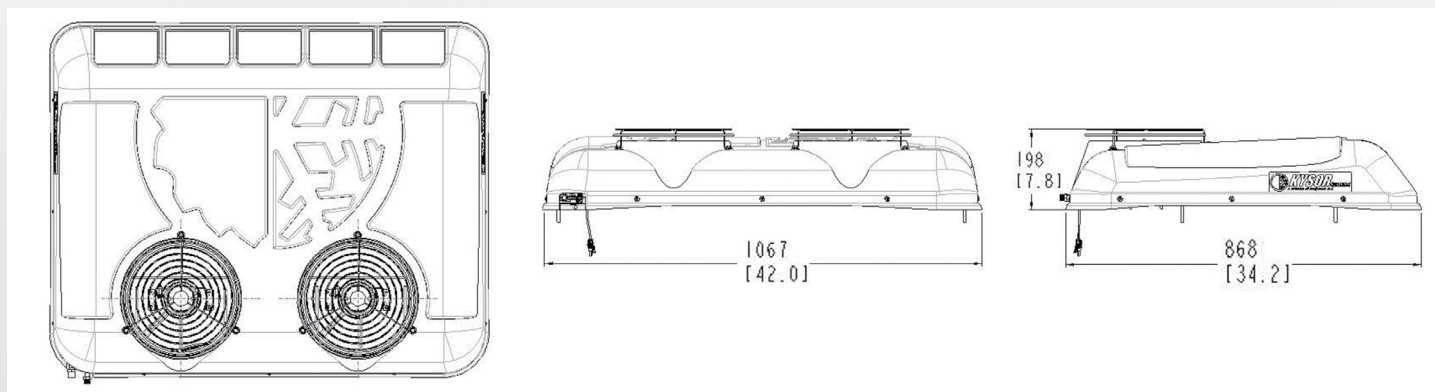
Model	KC-110 12V	KC-110 24V
Voltage	12V	24V
Power	45,040 BTU/hr (13,2 kW)	45,040 BTU/hr (13,2 kW)
Amps	22 A	11 A
Maximum air flow	1,250 SCFM (2,124 m <sup>3</sup> /hr)	1,250 SCFM (2,124 m <sup>3</sup> /hr)
Dimensions (L x W x H)	34.17in x 42in x 7.79in (868mm x 1067mm x 198mm)	34.17in x 42in x 7.79in (868mm x 1067mm x 198mm)
Weight	65 lbs. (29,5 kg)	65 lbs. (29,5 kg)
Mounting Position	Roof	Roof
Mounting Stud	(4) M8 thread	(4) M8 thread
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KC-110 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00004COND12 BSP00004COND24	12V 24V

## KC-110 Service Parts Guide

Part	Part Number	Notes
Condenser	1575026 1575026	12V 24V
Condenser Fan	1275003 1275003	12V 24V
Motor	1099087 1099087	12V 24V
Black Guard Fan	1000924296	Option to purchase black versus standard chrome
Black M6 Hex Head 25mm Screws	1000898591	Option to purchase black versus standard chrome
Black M6 Hex Head 16mm Screws	1000898585	Option to purchase black versus standard chrome

**Receiver Drier needs to be purchased separately**



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### Warranty

- 1-year limited warranty



## Features

- Dual axial fan rooftop mount
- Heavy-duty steel base construction
- Heavy-duty tube and fin condenser coil
- Durable permanent magnet motor
- Integrated receiver drier
- Low pressure switch
- Relay

## Suggested Applications



## Recommended Evaporator



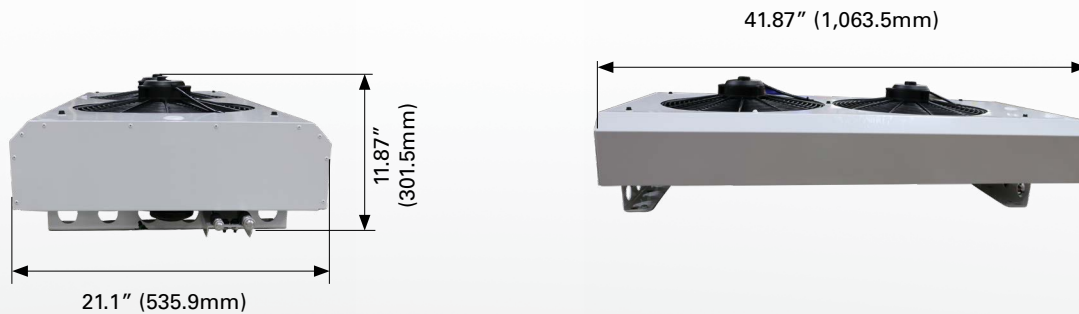
**KA-500**  
page 42

## Technical Specifications

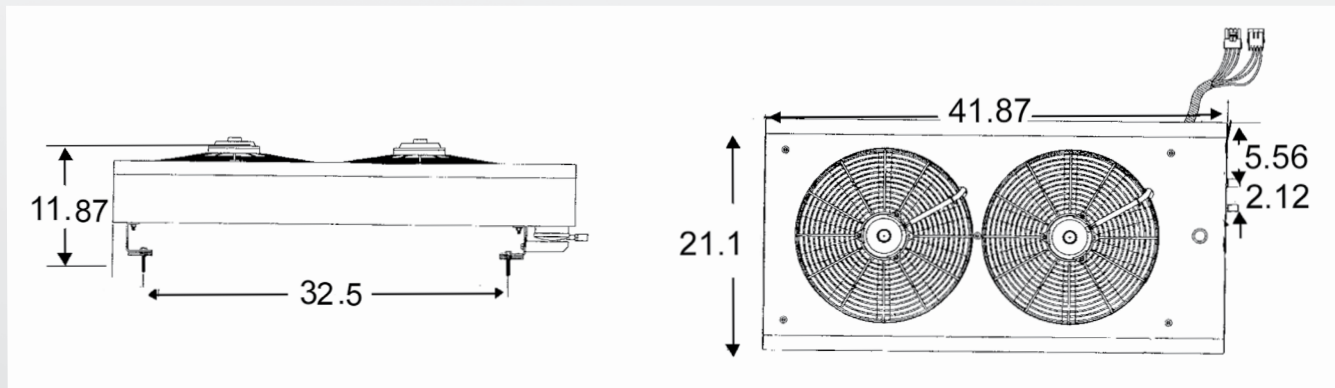
Model	KC-440 12V
Voltage	12V
Power	54,935 BTU/hr (16,1 kW)
Amps	30 A
Maximum air flow	1,900 SCFM (3,228 m <sup>3</sup> /hr)
Dimensions (W x H x D)	41.87in x 11.87in x 21.1in (1063.5mm x 279.4mm x 535.9mm)
Weight	70 lbs. (31,8 kg)
Mounting Position	Roof
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KC-440 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00013COND12	12V

## KC-440 Service Parts Guide

Part	Part Number	Notes
Condenser	1575018	12V
Motor	1075028	12V
Receiver Drier	1999226	12V
Relay	2075003	12V
Low Pressure Switch	2275011	12V



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### Warranty

- 1-year limited warranty





## Features

- Single fan mount condenser
- Heavy-duty steel base construction
- Heavy-duty tube and fin condenser coil
- Durable permanent magnet motor

## Suggested Applications



## Recommended Evaporator



**KA-400 /  
KK-400**  
page 38, 40



**KK-550**  
page 58



**KA-710**  
page 62



**Pascal A/C**  
page 52

## Technical Specifications

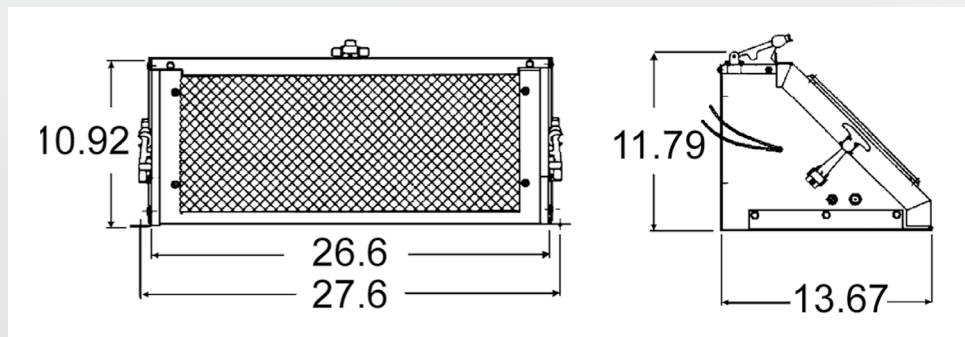
Model	KC-500 12V	KC-500 24V
Voltage	12V	24V
Power	30,000 BTU/hr (8,8 kW)	30,000 BTU/hr (8,8 kW)
Amps	16 A	8 A
Dimensions (W x H x D)	27.6in x 11.79in x 13.67in (701mm x 299.5mm x 347.2mm)	27.6in x 11.79in x 13.67in (701mm x 299.5mm x 347.2mm)
Weight	42 lbs. (19,1 kg)	42 lbs. (19,1 kg)
Mounting Position	Universal	Universal
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KC-500 Order Guide

Part	Part Number	Notes
Unit Part Number*	BSP00014COND12 BSP00014COND24	12V 24V

\*Installation kit included with the system.

## KC-500 Service Parts Guide

Part	Part Number	Notes
Condenser	1575008 1575008	12V 24V
Condenser Fan	1275003 1275003	12V 24V
Motor	1075009 1075016	12V 24V



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty steel base construction
- Dual axial fan
- Universal mount condenser
- Durable permanent magnet motor
- Heavy-duty tube and fin condenser coil

## Suggested Applications



## Recommended Evaporator



**KA-400**  
page 38



**KA-550**  
page 56



**Kelvin A/C or HVAC**  
page 48, 50



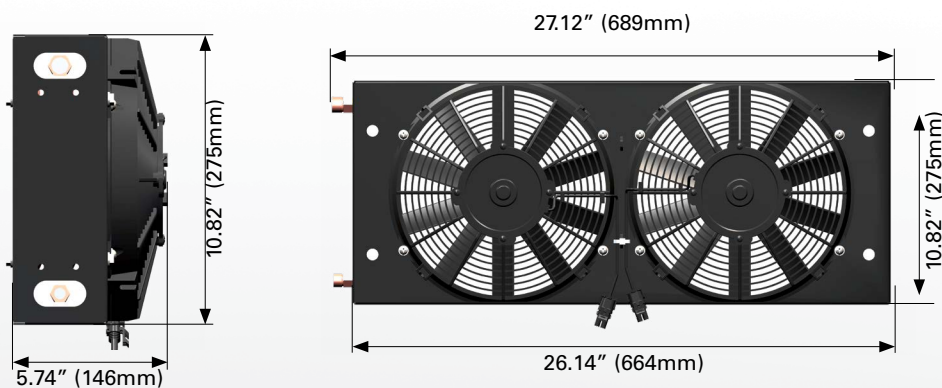
**Pascal A/C**  
page 52

## Technical Specifications

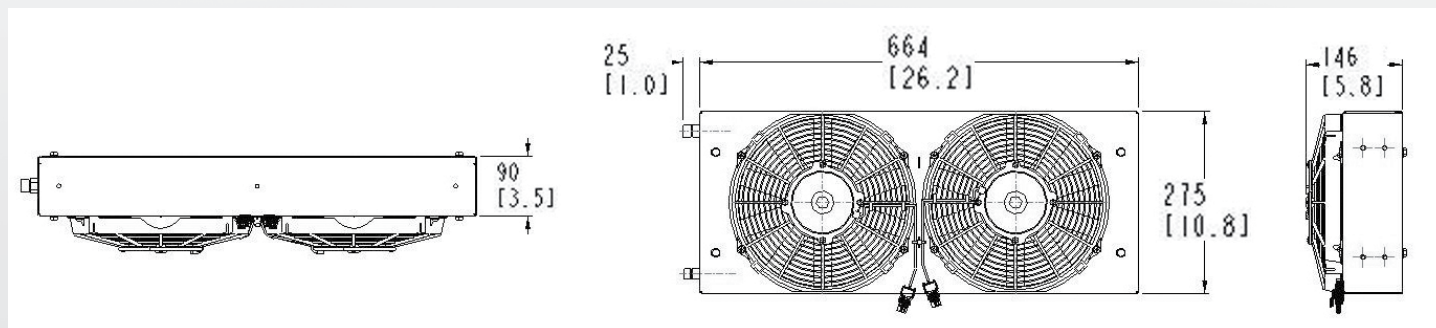
Model	KC-750 12V	KC-750 24V
Voltage	12V	24V
Power	32,075 BTU/hr (9,4 kW)	32,075 BTU/hr (9,4 kW)
Amps	20 A	10 A
Maximum air flow	1,000 SCFM (1,700 m <sup>3</sup> /hr)	1,000SCFM (1,700 m <sup>3</sup> /hr)
Dimensions (W x H x D)	26.14in x 10.83in x 5.75in (664mm x 275mm x 146mm)	26.14in x 10.83in x 5.75in (664mm x 275mm x 146mm)
Weight	13 lbs. (5,9 kg)	13 lbs. (5,9 kg)
Mounting Position	Roof or Wall	Roof or Wall
Refrigeration Inlet	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)	1/2" (#8) tube inverted male o-ring (3/4-16 UNF thread)
Refrigeration Outlet	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)	3/8" (#6) tube inverted male o-ring (5/8-18 UNF thread)

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KC-750 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00005COND12 BSP00005COND24	12V 24V

\*Must order all parts for proper installation.

## KC-750 Service Parts Guide

Part	Part Number	Notes
Condenser		12V 24V
Condenser Fan	1075032 1075032	12V 24V
Relay	2099009 2099009	12V 24V



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### Warranty

- 1-year limited warranty



## Features

- Low profile rooftop mount condenser
- Heavy-duty steel base construction
- Molded cover
- Integrated receiver drier



## Suggested Applications



## Recommended Evaporator



**KA-550**  
page 56



**KK-550**  
page 58



**Vertical  
Piccolo**  
page 68

## Technical Specifications

Model	KC-3000 12V
Voltage	12V
Power	35,860 BTU/hr (10,5 kW)
Amps	12 A
Maximum air flow	875 SCFM (1,486 m³/hr)
Dimensions (L x W x H)	30.7in x 35in x 6.06in (779mm x 889mm x 154mm)
Weight	30 lbs. (13,6 kg)
Mounting Position	Roof

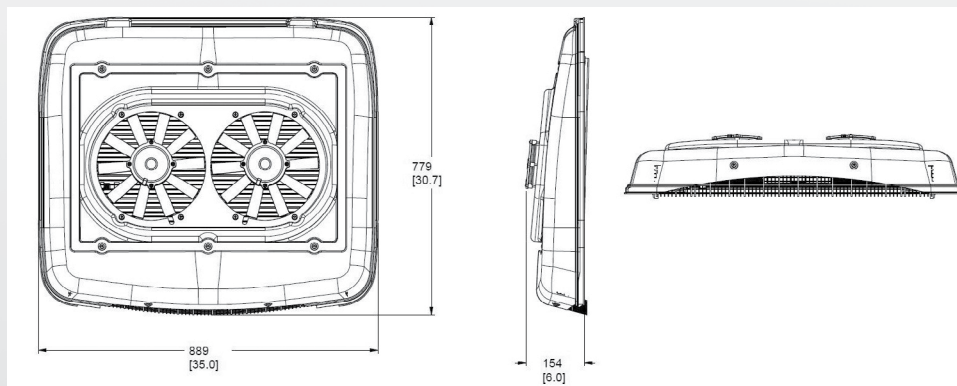
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



## KC-3000 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00009COND12	12V



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### Warranty

- 1-year limited warranty

**NOTES:**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Heaters

<b>KH-150</b>	<b>90</b>
<b>KH-200</b>	<b>92</b>
<b>KH-300</b>	<b>94</b>
<b>KH-500</b>	<b>96</b>
<b>KH-900</b>	<b>98</b>
<b>PASCAL HEATER</b>	<b>100</b>



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BSP systems have a 1-year warranty.

Availability of the products shown in this catalog is subject to change without notice by Bergstrom, Inc. For the most current product information please visit the Kysor distributor website at <https://parts.kysorhvac.com/>.



## Features

- Compact auxiliary heater
- Heavy-duty steel construction
- (1) 2-speed motor
- Recirculating air filter

## Suggested Applications

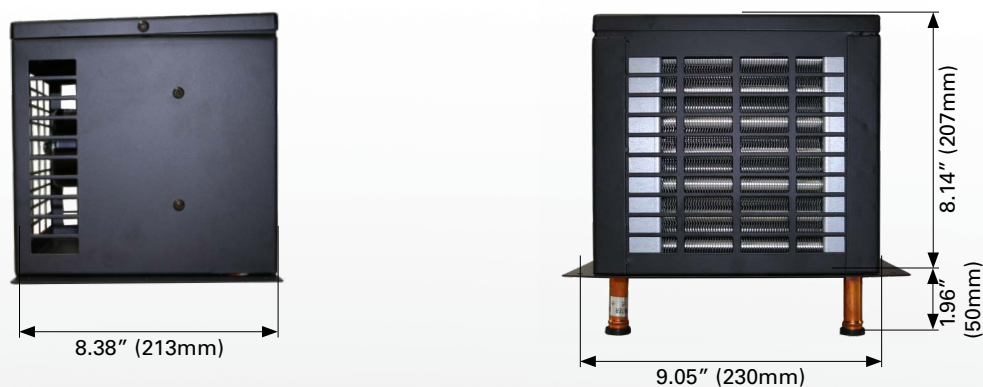


## Technical Specifications

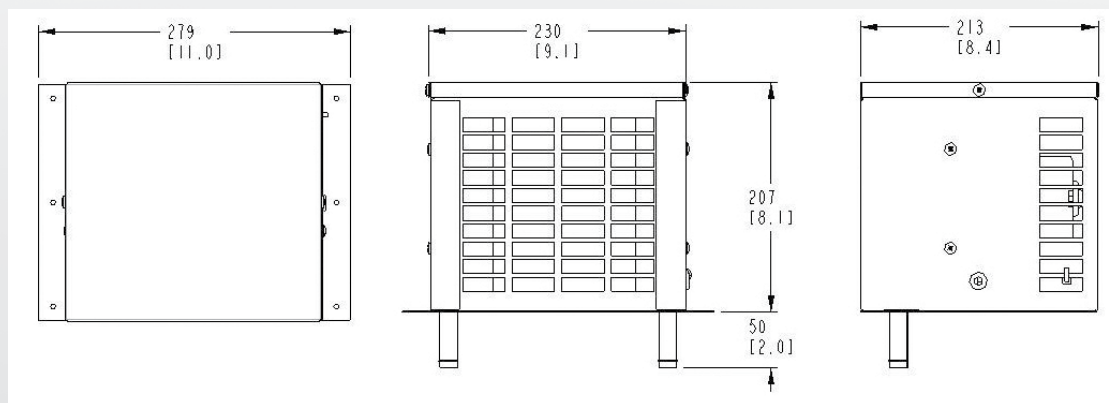
Model	KH-150 12V
Voltage	12V
Power	13,000 BTU/hr (3,8 kW)
Amps	3.6 A
Maximum air flow	115 SCFM (195 m <sup>3</sup> /hr)
Dimensions (W x H x D)	9.05in x 8.14in x 8.38in (230mm x 207mm x 213mm)
Weight	9.8 lbs. (4,45 kg)
Mounting Position	Floor
Tube Connection	(2) 5/8" O.D.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KH-150 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00004HEAT12	12V

## KH-150 Service Parts Guide

Part	Part Number	Notes
KH-150 Control Switch Kit	3475077	
Blower Motor	1099124	12V
Blower Fan	1299015	12V
Heater Coil	1799014	12V
Filter	3199027	12V



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### Warranty

- 1-year limited warranty





Features

- Heavy-duty auxiliary heater
- Heavy-duty steel construction
- (1) 2-speed motor
- (2) Universal mounting brackets

Suggested Applications

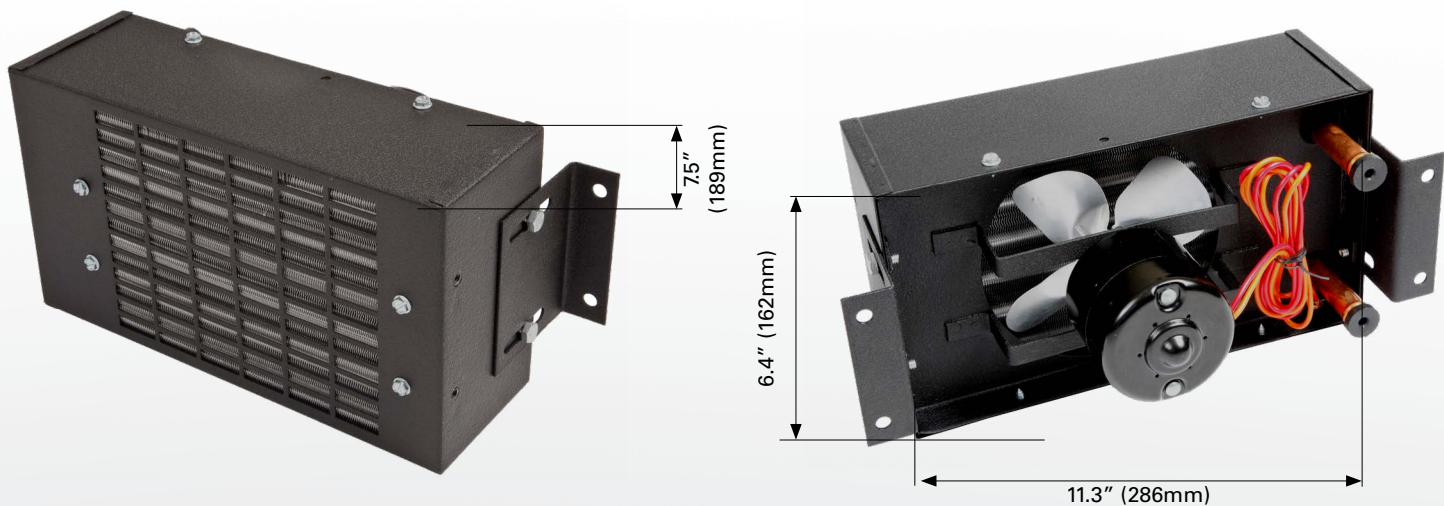


Technical Specifications

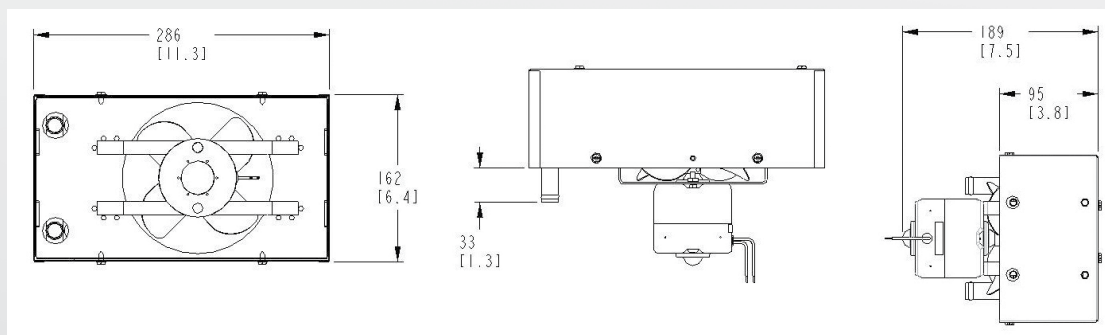
Model	KH-200 12V	KH-200 24V
Voltage	12V	24V
Power	18,360 BTU/hr (5,4 kW)	18,360 BTU/hr (5,4 kW)
Amps	1.53 A	1.5 A
Maximum air flow	145 SCFM (246 m³/hr)	145 SCFM (246 m³/hr)
Dimensions (W x H x D)	11.3in x 6.4in x 7.5in (286mm x 162mm x 189mm)	11.3in x 6.4in x 7.5in (286mm x 162mm x 189mm)
Weight	9 lbs. (4,1 kg)	9 lbs. (4,1 kg)
Mounting Position	Floor or Wall	Floor or Wall
Tube Connection	(2) 5/8" O.D.	(2) 5/8" O.D.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KH-200 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00015HEAT12 BSP00015HEAT24	12V 24V

## KH-200 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075005 1075006	12V 24V
Blower Switch	3475035 3475035	12V 24V
Blower Fan	1275004 1275004	12V 24V
Heater Coil	1775001 1775001	12V 24V
Flush Mounting Kit	3475033 3475033	12V 24V
Motor Guard Kit	3475034 3475034	12V 24V
Control Switch Kit	3475035 3475035	12V 24V



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### Warranty

- 1-year limited warranty

### Features

- Heavy-duty auxiliary heater
- Heavy-duty steel construction
- (2) 2-speed motor
- (2) Universal mounting brackets



### Suggested Applications



### Technical Specifications

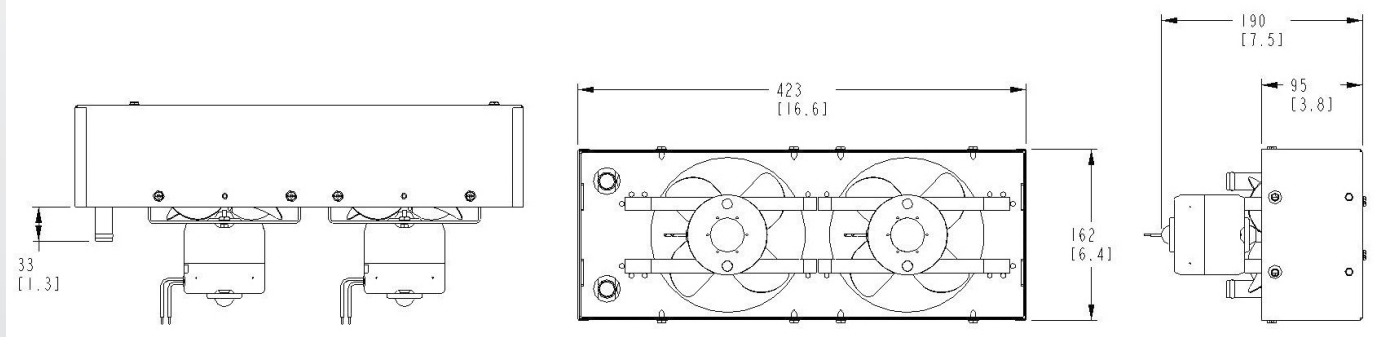
Model	KH-300 12V	KH-300 24V
Voltage	12V	24V
Power	30,0270 BTU/hr (8,8 kW)	30,027 BTU/hr (8,8 kW)
Amps	3 - 6 A	3 - 6 A
Maximum air flow	265 SCFM (450 m³/hr)	265 SCFM (450 m³/hr)
Dimensions (W x H x D)	16.6in x 6.4in x 7.5in (423mm x 162mm x 190mm)	16.6in x 6.4in x 7.5in (423mm x 162mm x 190mm)
Weight	14 lbs. (6,4 kg)	14 lbs. (6,4 kg)
Mounting Position	Floor or Wall	Floor or Wall
Tube Connection	(2) 5/8" O.D.	(2) 5/8" O.D.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



## KH-300 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00016HEAT12 BSP00016HEAT24	12V 24V

## KH-300 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075005 1075006	12V 24V
Blower Fan	1275004 1275004	12V 24V
Heater Coil	1775009 1775009	12V 24V
Flush Mounting Kit	3475038	
Motor Guard Kit	3475039	
Control Switch Kit	3475040	



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### Warranty

- 1-year limited warranty

### Features

- Heavy-duty steel construction
- 3-speed resistor
- Durable double wheel blower
- (4) 4" front, (2) 4" side air outlet openings and (2) optional air outlet openings on the top



### Suggested Applications



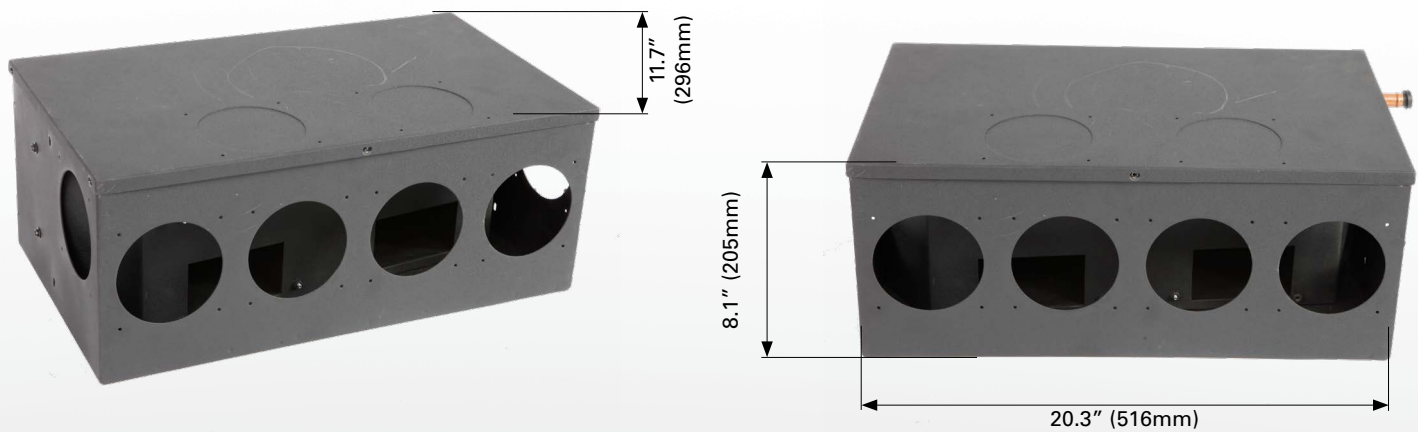
### Technical Specifications

Model	KH-500 12V	KH-500 24V
Voltage	12V	24V
Power	52,206 BTU/hr (15,3 kW)	52,206 BTU/hr (15,3 kW)
Amps	19 A	9 A
Maximum air flow	500 SCFM (850 m³/hr)	500 SCFM (850 m³/hr)
Dimensions (W x H x D)	20.3in x 8.1in x 11.7in (516mm x 205mm x 296mm)	20.3in x 8.1in x 11.7in (516mm x 205mm x 296mm)
Weight	24 lbs. (10.9 kg)	24 lbs. (10.9 kg)
Mounting Position	Floor	Floor
Tube Connection	(2) 5/8" O.D.	(2) 5/8" O.D.

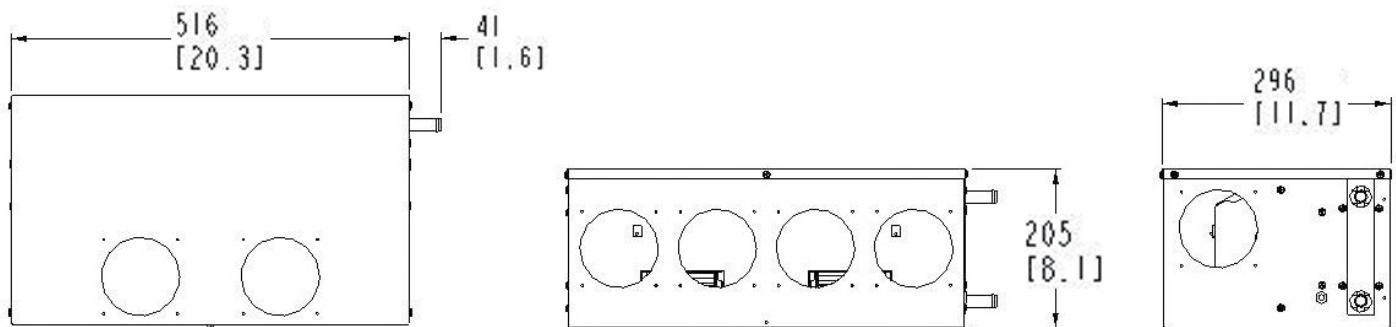
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



## KH-500 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00018HEAT12 BSP00018HEAT24	12V 24V

## KH-500 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1075044 1075046	12V 24V
Heater Coil	1775018 1775018	12V 24V
Resistor	2075006 2075008	12V 24V
Control Switch Kit	3475059	



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### Warranty

- 1-year limited warranty



Features

- Auxiliary heater
- Heavy-duty steel construction
- (2) 5/8” O.D. tube connections
- 3-speed resistor
- Stylish compact round design
- Shock mounted motor

Suggested Applications



Technical Specifications

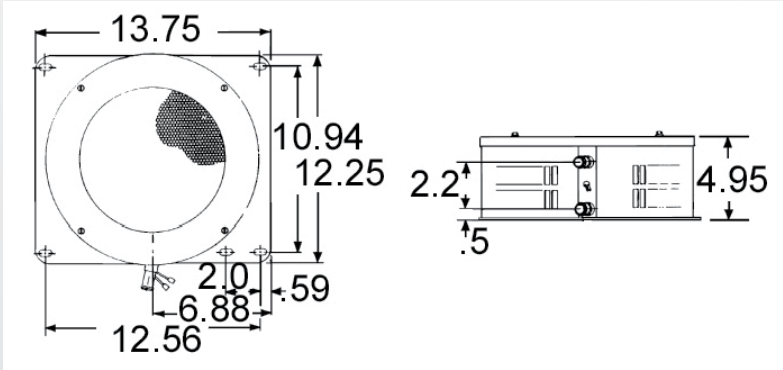
Model	KH-900 12V	KH-900 24V
Voltage	12V	24V
Power	30,000 BTU/hr (8,8 kW)	30,000 BTU/hr (8,8 kW)
Amps	3.6 A	1.8 A
Maximum air flow	325 SCFM (552 m³/hr)	325 SCFM (552 m³/hr)
Dimensions (W x H x D)	13.75in x 12.25in x 5in (350mm x 311mm x 127mm)	13.75in x 12.25in x 5in (350mm x 311mm x 127mm)
Weight	11.25 lbs. (5.1 kg)	11.25 lbs. (5.1 kg)
Mounting Position	Floor	Floor
Tube Connection	(2) 5/8” O.D.	(2) 5/8” O.D.

Measurements are listed using the U.S. system with the metric system in parenthesis.

Dimensions layout



Line Drawing



KH-900 Order Guide

Part	Part Number	Notes
Unit Part Number	BSP00019HEAT12	12V
	BSP00019HEAT24	24V



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**Warranty**  
• 1-year limited warranty



Features

- Shell constructed with molded plastic
- Integrated twin scroll blower
- 3 air outlets (spigot/louver)
- 3 fan speeds

Suggested Applications



Air Distribution Panel



Spigot



Louver

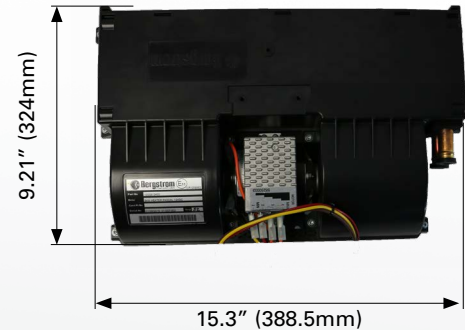
See other available panel options on page 104

Technical Specifications

Model	Pascal 12V	Pascal 24V
Voltage	12V	24V
Power	25,590 BTU/hr (8,0 kW)	25,590 BTU/hr (8,0 kW)
Amps	10 A	5 A
Maximum air flow	265 SCFM (450 m³/hr)	265 SCFM (450 m³/hr)
Dimensions (L x W x H)	9.21in x 15.3in x 5.29in (234mm x 388.5mm x 134.3mm)	9.21in x 15.3in x 5.29in (234mm x 388.5mm x 134.3mm)
Weight	8.4 lbs. (3.8 kg)	8.4 lbs. (3.8 kg)
Mounting Position	Horizontal (Floor or Headliner)	Horizontal (Floor or Headliner)
Tube Connection	(2) 5/8" O.D.	(2) 5/8" O.D.

Measurements are listed using the U.S. system with the metric system in parenthesis.

# Heaters

[illegible]

Part	Part Number	Notes
Unit Part Number	BSP00013HEAT12 BSP00013HEAT24	12V 24V
Harness	BSP00003CONHAR BSP00004CONHAR	4 meters of hose 8 meters of hose
Control Panel	BSP00005CONPAN BSP00006CONPAN	Vertical Horizontal
Fascia Panel	BSP00003PANELKIT BSP00005PANELKIT BSP00006PANELKIT	Three Chrome and Black Louvers Three Spigot Outlets Three Black and Black Louvers
Bracket	BSP00004MOUNTKIT BSP00006MOUNTKIT	Floor/Ceiling Mount Wall/Bulkhead Mount
Condensate Kit	BSP00001DRAINKIT BSP00002DRAINKIT	Single Side Double Side

Part	Part Number	Notes
Blower Motor	1000777603	12V
	1000783637	24V
Heater Coil	1000960128	12V
	1000960128	24V
Resistor	2099027	12V
	2099027	24V
Water Valve	1001597661	12V
	2499157	24V



- 1-year limited warranty



**NOTES:**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# System Kit Options



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BSP systems have a 1-year warranty.

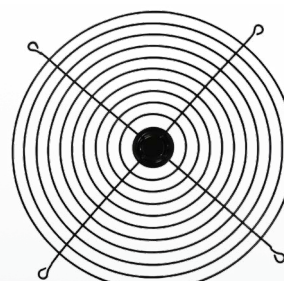
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<b>HD-1000, BLACK HARDWARE KIT</b>	<b>105</b>
<b>KA-300, BLACK HARDWARE KIT</b>	<b>105</b>
<b>KC-90, BLACK HARDWARE KIT</b>	<b>105</b>
<b>KC-110, BLACK HARDWARE KIT</b>	<b>105</b>
<b>HOSE CRIMPER KIT</b>	<b>105</b>
<b>KELVIN FASCIA OPTIONS AND BRACKETS</b>	<b>106</b>
<b>PASCAL FASCIA OPTIONS AND BRACKETS</b>	<b>106</b>



## HD-1000, BLACK HARDWARE KIT

Black Hardware Kit	Part Number
Guard Fan	1000335550
M6 Hex Head 25mm Screws	1000898591
M6 Hex Head 16mm Screws	1000898585



1000335550

## KA-300, BLACK HARDWARE KIT

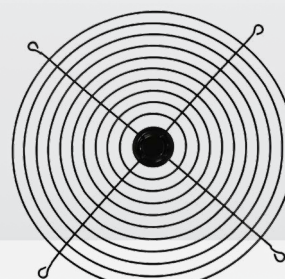
Black Hardware Kit	Part Number
Guard Fan	1000335550
M6 Hex Head 25mm Screws	1000898591
M6 Hex Head 16mm Screws	1000898585
Latch, Black	1000929194



1000929194

## KC-90, BLACK HARDWARE KIT

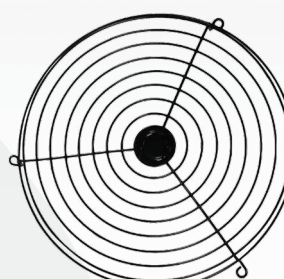
Black Hardware Kit	Part Number
Guard Fan	1000335550
M6 Hex Head 25mm Screws	1000898591
M6 Hex Head 16mm Screws	1000898585



1000335550

## KC-110, BLACK HARDWARE KIT

Black Hardware Kit	Part Number
Guard Fan	1000924296
M6 Hex Head 25mm Screws	1000898591
M6 Hex Head 16mm Screws	1000898585



1000924296

## HOSE CRIMPER KIT

Hose Crimper Kit	Part Number
Hose Crimper Kit	2610005



2610005



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### Warranty

- 1-year limited warranty



## KELVIN FASCIA OPTIONS AND BRACKETS

Fascia Kits	Part Number
Outlet Panel 4 x 60 with black clips	BSP00001PANELKIT
Outlet Panel, wave black 4 vent chrome	BSP00002PANELKIT
Outlet Panel, wave black 4 vent black	BSP00004PANELKIT
Wall/Bulkhead Bracket	BSP00005MOUNTKIT
Floor/Ceiling Bracket	BSP00003MOUNTKIT



BSP00001PANELKIT



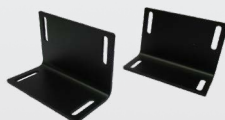
BSP00002PANELKIT



BSP00004PANELKIT



BSP00005MOUNTKIT



BSP00003MOUNTKIT

## PASCAL FASCIA OPTIONS AND BRACKETS

Fascia Kits	Part Number
Outlet Panel 3 x 60 with black clips	BSP00005PANELKIT
Outlet Panel, wave black 3 vent chrome	BSP00003PANELKIT
Outlet Panel, wave black 3 vent black	BSP00006PANELKIT
Wall/Bulkhead Bracket	BSP00006MOUNTKIT
Floor/Ceiling Bracket	BSP00004MOUNTKIT



BSP00005PANELKIT



BSP00003PANELKIT



BSP00006PANELKIT



BSP00006MOUNTKIT



BSP00004MOUNTKIT



# Bergstrom Electrified Systems (BES)

Bergstrom Electrified Systems has been designing and manufacturing main-powered and self-contained electric air conditioning equipment for over 40 years. Combining new technology with proven rugged design makes this equipment suitable on any mining or heavy industrial application.



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All BES systems have a 1-year warranty.

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<b>FFR6 HVAC SYSTEM</b>	<b>110</b>
<b>FVF120 PRESSURIZER SYSTEM</b>	<b>112</b>
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<b>FVV60 PRESSURIZER</b>	<b>116</b>
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## F-Series

The F-Series is our line of filter/pressurizers. In this series you can find anything from stand-alone self-cleaning filter packages to simple canister-like add-on filters.

We've designed the series using some of the industry's most efficient filter media available and with efficiency ratings of 99% on particle sizes 0.5 microns and above.

## Filtration & Pressurization Systems

In addition to dust filters, the following options are also available:

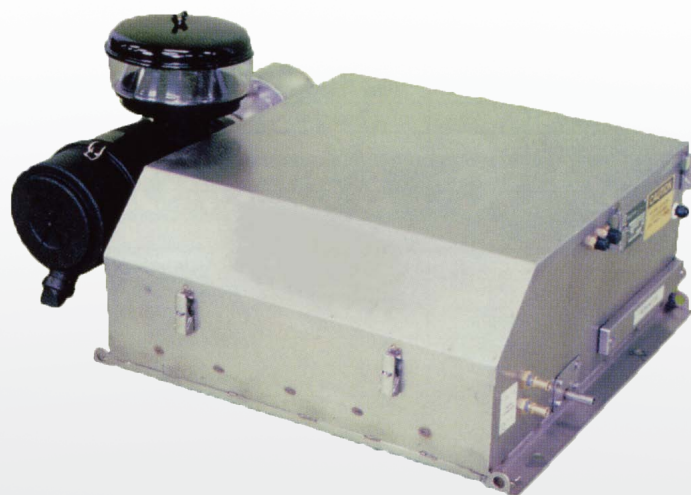
- Filters which remove gaseous contaminants often generated at industrial processing sites in enclosed spaces (such as underground mining)
- A wide range of electrical supplies to suite site availability
- Larger capacities
- New air conditioning equipment that has higher capacity in cooling, heating and also has heavily upgraded filtration systems to be compatible with higher standards of indoor air quality
- Air compressor/receiver sets to suit self-cleaning filters

## Product Data & Specifications

Technical Specifications:							
Model	FFR6		FVV50	FVV60	FVV150	FVW100	FVF120
Type of Unit	cool/heat/filters		Pressurizer	Pressurizer	Pressurizer	Pressurizer	Pressurizer
Voltages Available V.D.C.	12 or 24		12 or 24	12 or 24	12 or 24	12 or 24	n/a
Voltages Available V.A.C.	115-1-50/60		n/a	115-1-50/60	115-1-50/60	115-1-50/60	115-1-50/60
Pressurizer Watts @ 24vdc	150		120	150	150	300	n/a
Pressurizer Watts @ 115vac	200		n/a	200	200	400	400
Pressurizer Airflow:	FVV60	FVW100					
Clear filter, 0.00" w.c. ESP	170 CFM	365 CFM	85 CFM (40 l/s)	170 CFM (80 l/s)	315 CFM (150 l/s)	365 CFM (175 l/s)	365 CFM (175 l/s)
0.25" w.c. ESP	145 CFM	325 CFM	18 CFM (9 l/s)	145 CFM (70 l/s)	235 CFM (110 l/s)	325 CFM (155 l/s)	325 CFM (155 l/s)
0.50" w.c. ESP	126 CFM	285 CFM	5 CFM (2.5 l/s)	126 CFM (60 l/s)	210 CFM (100 l/s)	285 CFM (135 l/s)	260 CFM (125 l/s)
Max. Fan Static Pressure Available	2.5" w.c.	5.3" w.c.	0.65" w.c.	2.5" w.c.	2.2" w.c.	5.3" w.c.	4.7" w.c.
No. of Blower / Motors	1		1	1	1	2	2
No. of Motor Speeds	2		1	1	1	1	Variable Speed
Method of Speed Change	manual					manual	Auto Pres. Transducer
Pre-Cleaner ---Roughing	1		1	1	1	n/a	n/a
Pre-Filter ---- Disposable	12" x 24" x 1"		n/a	n/a	n/a	n/a	n/a
No. of Final Filter Elements	2		1	1	2	1	8
Permanent Filter Size	13"H x 25"Lg		5"Dia x 11"Lg	6.5"Dia x 14"Lg	14.5"Dia x 24"Lg	6"Dia x 13"Lg	5"Dia x 24"Lg
Type of Permanent Filter	Pleated		Pleated	Pleated	Pleated	Pleated	Teflon Coated
Filter Material	Spun Polyester		Paper	Paper	Paper	Spun Polyester	Polyester Sock
Filtration Efficiency	99% @ 0.3 microns		See Note	See Note	See Note	99% @ 0.3 microns	99% @ 0.3 microns
Outlet Spigot	n/a		2.75" x 4.25"	3.63" x 3.63"	5.5" Dia.	4" Dia.	6" Dia.
Compressed Air Inlet						3/8"FPT	3/8" FPT
Compressed Air Pres. Req'd						60-100psig	60-100psig
Mounting Type	Roof		Foot	Foot	Foot	Wall	Foot
Cleaning Trigger						Adjustable Timer	Adjustable Timer
Motor External Protection	Circuit Breaker		no	no	no	Circuit Breaker	Circuit Breaker
Internal Thermal Prot.	yes		yes	yes	yes	yes	yes
Pressurizer Casing Mat'l	Plastic		Painted Steel	Plastic	Stainless Steel	Stainless Steel	Stainless Steel
Weight	325 lb (148 kg)		17 lb (7.7 kg)	21 lb (9.5 kg)	87 lb (40 kg)	100 lb (45 kg)	285 lb (130 kg)

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1" water column (w.c.) = 250 pascals



## Features

- High heating and cooling capacity
- Large return air filter
- High efficiency, serviceable filter to ensure extremely clean air is supplied to the cab
- Optional pressurization system
- Electronic temperature control for optional in-console mounting
- Choice of either radiator-mounted or fan-forced condensers

## Control Panel



## Suggested Applications



## Recommended Pressurizer



**FVV60**  
page 114



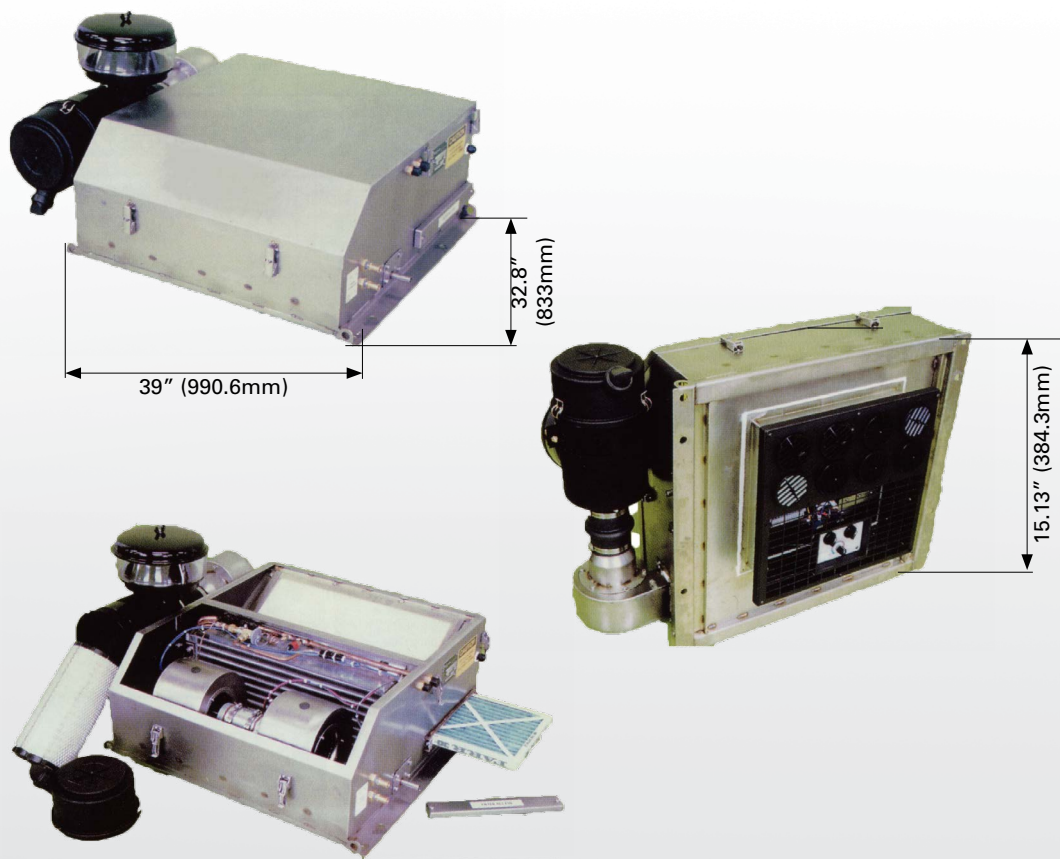
**FVV100**  
page 118

## Technical Specifications

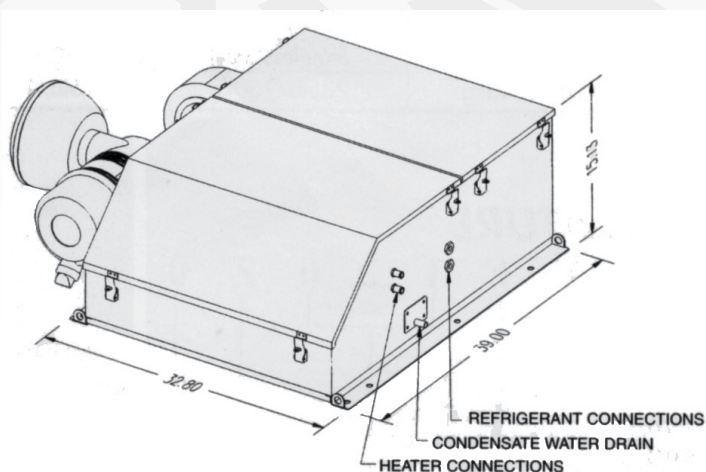
Model	FFR6 12V	FFR6 24V
Voltage	12V	24V
Amps	26 AMPS @ 12 V.D.C.	14 AMPS @ 24 V.D.C.
Maximum air flow	FVV60: 170 SCFM (289m <sup>3</sup> /hr) FVV100: 365 SCFM (620 m <sup>3</sup> /hr)	FVV60: 170 SCFM (289 m <sup>3</sup> /hr) FVV100: 365 SCFM (620 m <sup>3</sup> /hr)
Dimensions (L x W x H)	39in x 32.8in x 15.13in (990.6mm x 833mm x 384.3mm)	39in x 32.8in x 15.13in (990.6mm x 833mm x 384.3mm)
Weight	180 lbs. (81,6 kg)	180 lbs. (81,6 kg)
Mounting Position	Roof	Roof

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



Model Specifications:	FFR6
Type of Unit	Cool/Heat/ Filters
Voltages Available V.D.C.	12 or 24
Voltages Available V.A.C.	115-1-50/60
Pressurizer Watts @ 24 V.D.C.	150
Pressurizer Watts @ 115 V.A.C.	2400
Pressurizer Airflow:	FVV60 or FVW100
Clear filter, 0.00" w.c. ESP	170 CFM
0.25" w.c. ESP	365 CFM
0.50" w.c. ESP	145 CFM
Max. Fan Static Pressure Available	325 CFM
No. of Blower / Motors	126 CFM
No. of Motor Speeds	285 CFM
Method of Speed Change	2.5" w.c.
Pre-Cleaner ---Roughing	5.3" w.c.
Pre-Filter --- Disposable	1
No. of Final Filter Elements	2
Permanent Filter Size	12" x 24" x 1"
Type of Permanent Filter	1"
Filter Material	2
Filtration Efficiency	13"H x 25"Lg
Mounting Type	Pleated
Motor External Protection	Spun Polyester
Internal Thermal Protection	99% @ 0.3 Microns
Pressurizer Casing Material	Roof
	Motor External Circuit Breaker
	Yes
	Plastic

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1" water column (w.c.) = 250 pascals



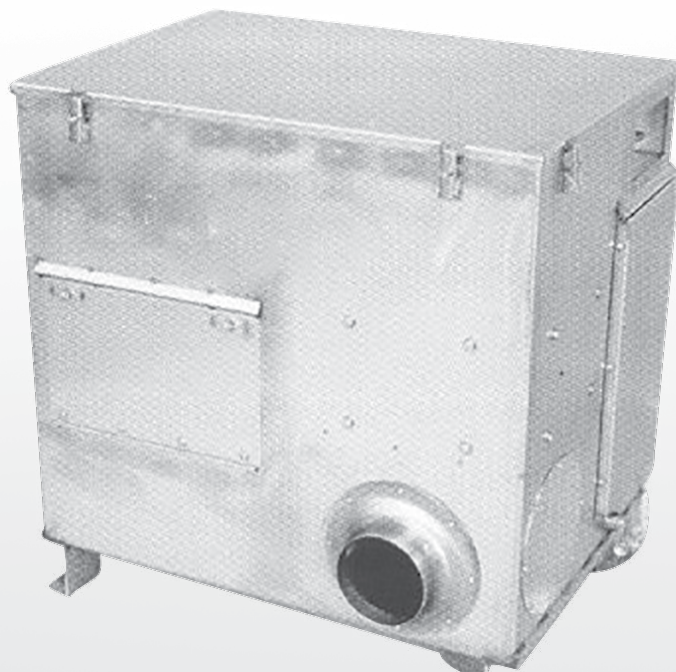
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### Warranty

- 1-year limited warranty





### Suggested Applications



### Features

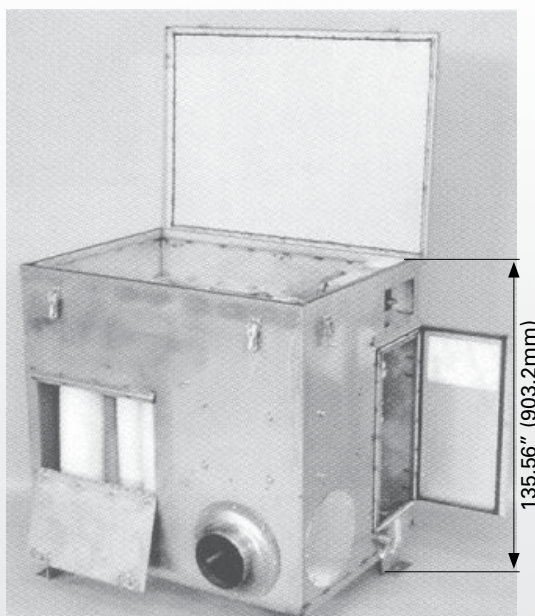
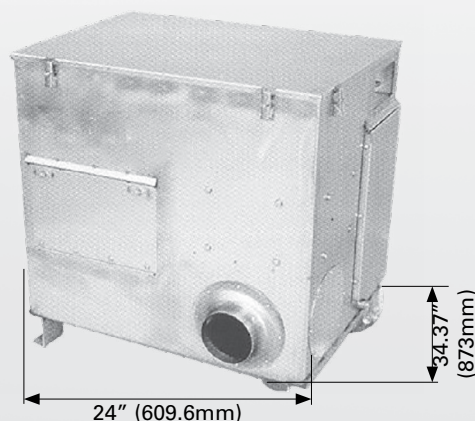
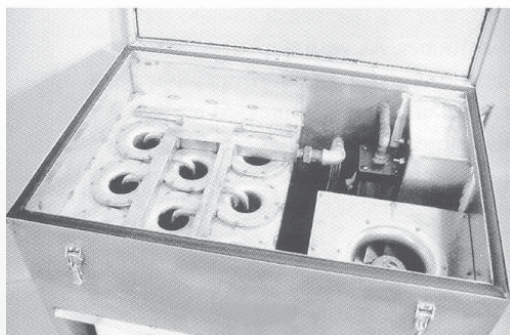
- Suitable for main-powered electrical equipment
- Consists of eight teflon coated elements housed on a wire-frame structure with a venturi tube delivery
- (2) backward curved fans mounted in series to provide high static pressure capability
- Two-stage operation with the second fan coming on with drop in-room pressure alternatively
- Automatic speed control according to room pressure
- System is equipped with a receiver tank and solenoid valves for cleaning the air filtration system
- Back-flush cycle is on a variable time basis which is determined by site conditions. After a pre-set time, the fans will stop to assist the purging process with compressed air. After another time delay, fans will start up again.
- System is designed as a stand-alone device and has the capacity to have up to three air discharge outlets from its base.

### Technical Specifications

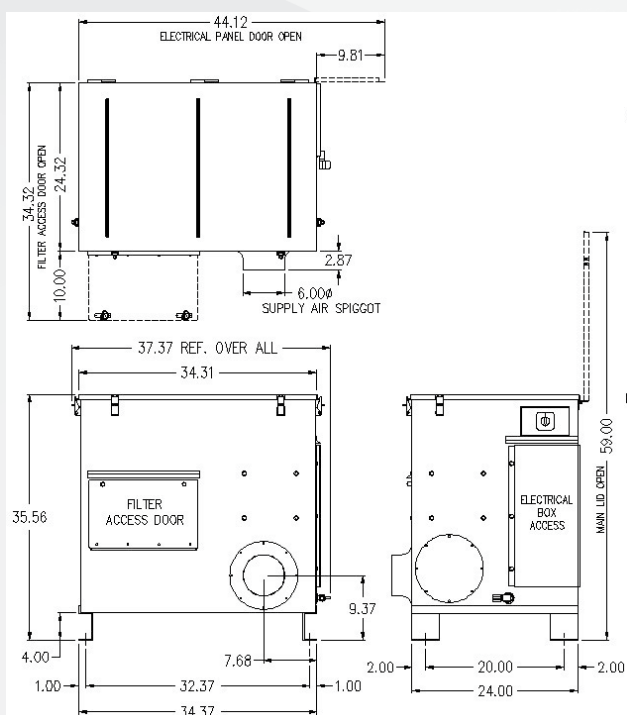
Model	FVF120 120V
Voltage	120V
Amps	3 AMPS @ 120 V.A.C. 20 AMPS @ 24 V.D.C.
Maximum air flow	365 SCFM (620 m <sup>3</sup> /hr)
Dimensions (L x W x H)	24in x 34.37in x 35.56in (609.6mm x 873mm x 903.2mm)
Weight	285 lbs. (129,3 kg)
Mounting Position	Foot

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



Model Specifications:	FVF120
Type of Unit	Filter/ Blowers
Voltages Available V.A.C.	115-1-50/60
Pressurizer Watts @ 115 V.A.C.	400
Pressurizer Airflow:	
Clear filter, 0.00" w.c. ESP	365 CFM (175 l/s)
0.25" w.c. ESP	325 CFM (155 l/s)
0.50" w.c. ESP	260 CFM (125 l/s)
Max. Fan Static Pressure Available	4.7" w.c.
No. of Blower / Motors	2
No. of Motor Speeds	Variable
Method of Speed Change	Auto Pres. Transducer
No. of Final Filter Elements	8
Permanent Filter Size	5" Dia x 24" Lg
Type of Permanent Filter	Teflon Coated
Filter Material	Polyester Stock
Filtration Efficiency	99% @ 0.3 Microns
Outlet Spigot	6" Dia.
Compressed Air Inlet	3/8" FPT
Compressed Air Pressure Required	60-100 psig
Mounting Type	Foot
Cleaning Trigger	Adjustable Timer
Motor External Protection	Circuit Breaker
Internal Thermal Protection	Yes
Pressurizer Casing Material	Stainless Steel

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1" water column w.c.) = 250 pascals



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### Warranty

- 1-year limited warranty



## Features

- Stand-alone pressurizer for 12 and 24VDC
- Heavy-duty steel base construction
- Suitable for well-sealed cabs and enclosures
- A welded steel base construction and durable plastic cover
- Highly resistant in many environments

## Suggested Applications



**Auxillary piece for BES-series  
air conditioners**

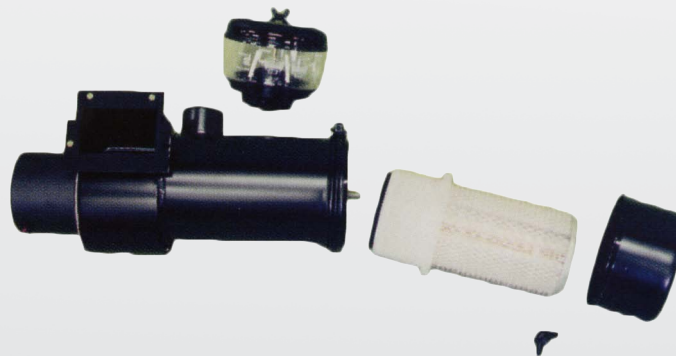
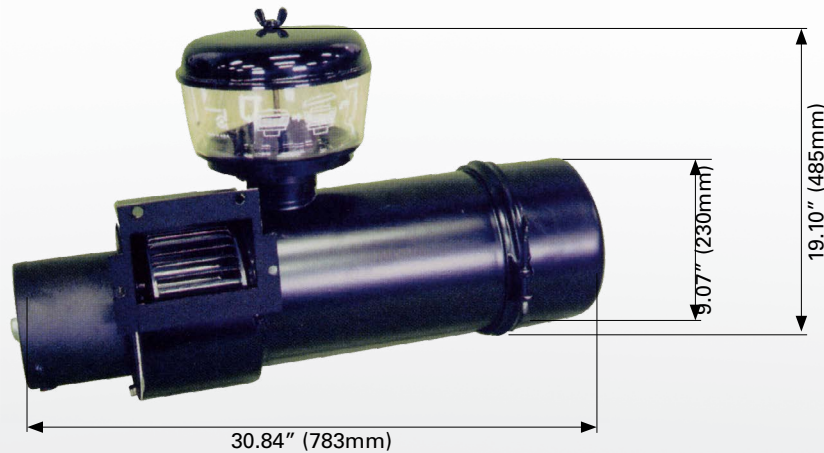
## Technical Specifications

Model	FVV50 12V	FVV50 24V
Voltage	12V	24V
Amps	10 AMPS @ 12 V.D.C.	5 AMPS @ V.D.C.
Maximum air flow	85 SCFM (144 m <sup>3</sup> /hr)	85 SCFM (144 m <sup>3</sup> /hr)
Dimensions (L x W x H)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)
Weight	17 lbs. (7,7 kg)	17 lbs. (7,7 kg)
Mounting Position	Foot	Foot

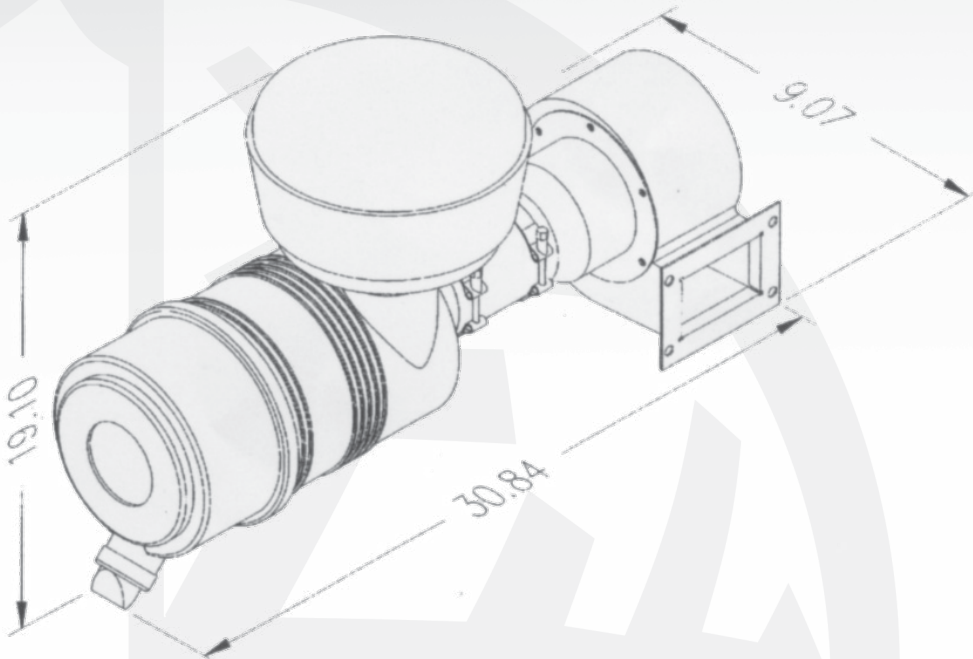
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



Model Specifications:	FVV50
Type of Unit	Filter/Blower
Voltages Available V.D.C.	12 or 24
Pressurizer Watts @ 24 V.D.C.	120
Pressurizer Airflow:	
Clear filter, 0.00\" w.c. ESP	85 CFM (40 l/s)
0.25\" w.c. ESP	18 CFM (9 l/s)
0.50\" w.c. ESP	5 CFM (2.5 l/s)
Max. Fan Static Pressure Available	0.65\" w.c.
No. of Blower / Motors	1
No. of Motor Speeds	1
Pre-Cleaner	1
---Roughing	
No. of Final Filter Elements	1
Permanent Filter Size	5\" Dia x 11\" Lg
Type of Permanent Filter	Pleated
Filter Material	Paper
Filtration Efficiency	See Note
Outlet Spigot	2.75\" x 4.25\"
Mounting Type	Foot
Motor External Protection	No
Internal Thermal Protection	Yes
Pressurizer Casing Material	Painted Steel

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1\" water column (w.c.) = 250 pascals

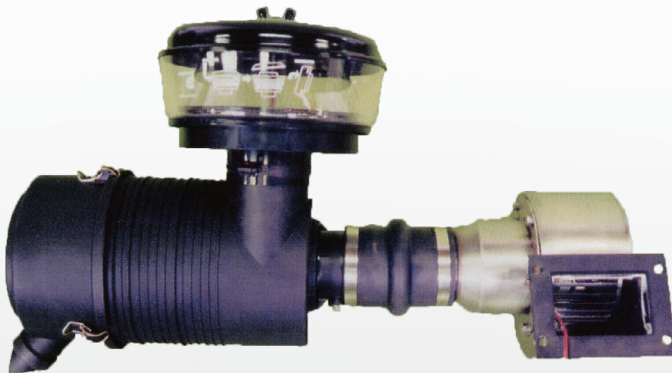


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### Warranty

- 1-year limited warranty



### Features

- Suitable for well-sealed cabs and enclosures
- Heavy-duty steel base construction
- Durable cover, highly resistant in many environments
- Canister is flexible so it can be relocated to a remote site
- Plastic filter housing

### Suggested Applications



Auxillary piece for BES-series  
air conditioners

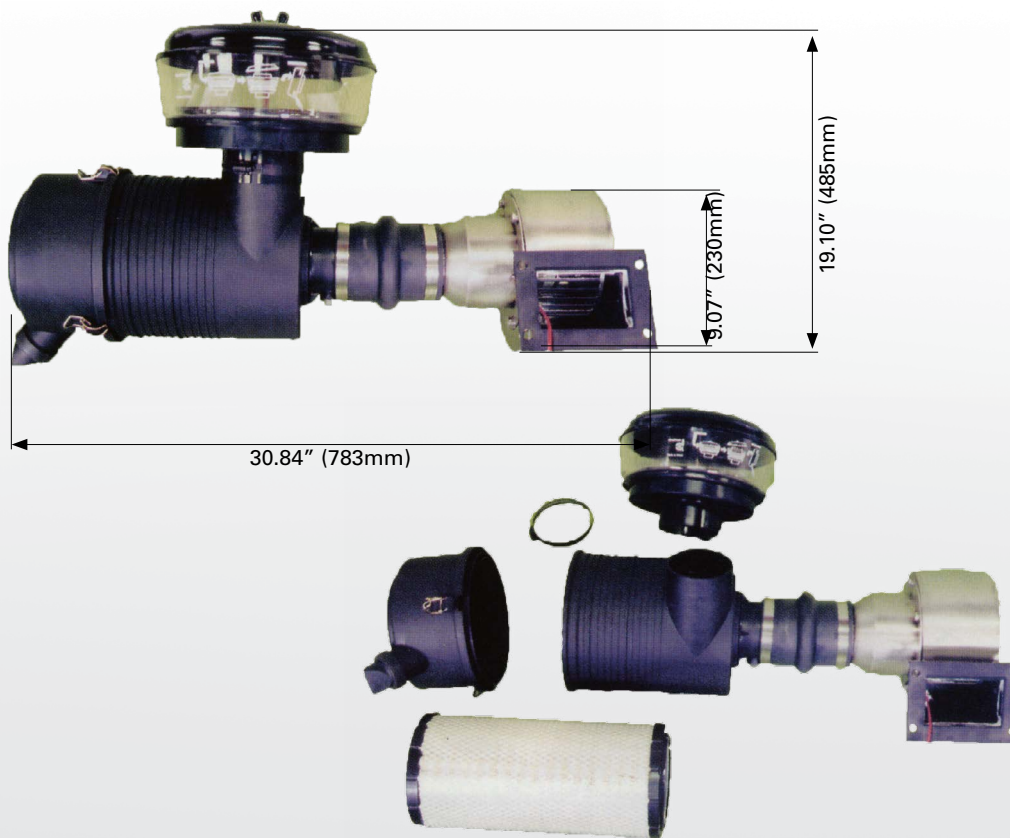
### Technical Specifications

Model	FVV650 12V	FVV60 24V
Voltage	12V	24V
Amps	10 AMPS @ 12 V.D.C.	5 AMPS @ 24 V.D.C.
Maximum air flow	170 SCFM (289 m³/hr)	170 SCFM (289 m³/hr)
Dimensions (L x W x H)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)
Weight	21 lbs. (9,5 kg)	21 lbs. (9,5 kg)
Mounting Position	Foot	Foot

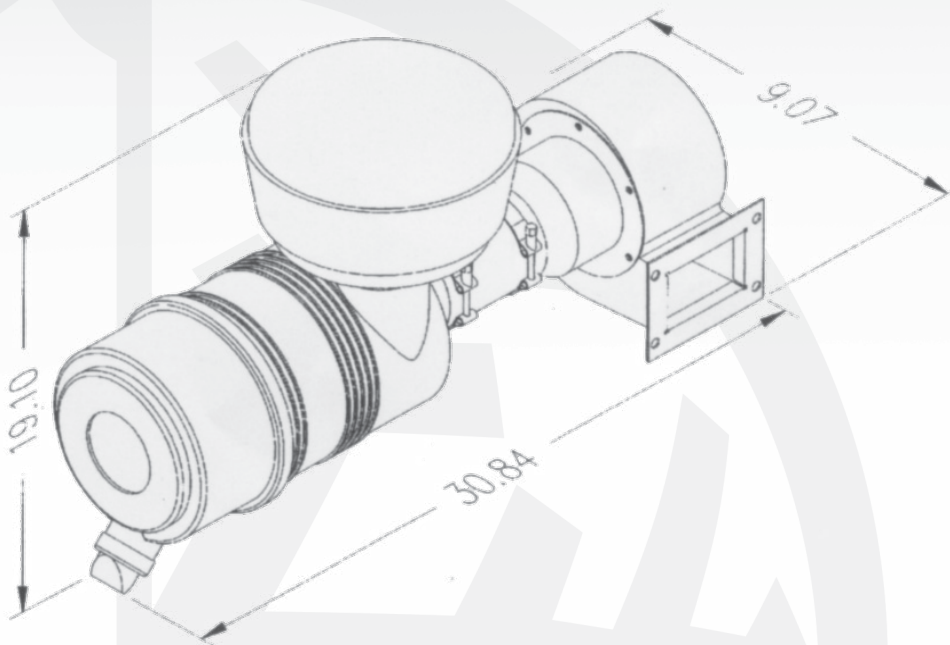
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



Model Specifications:	FVV60
Type of Unit	Filter/Blower
Voltages Available V.D.C.	12 or 24
Voltages Available V.A.C.	115-1-50/60
Pressurizer Watts @ 24 V.D.C.	150
Pressurizer Watts @ 115 V.A.C.	200
Pressurizer Airflow:	
Clear filter, 0.00" w.c. ESP	170 CFM (80 l/s)
0.25" w.c. ESP	145 CFM (70 l/s)
0.50" w.c. ESP	126 CFM (60 l/s)
Max. Fan Static Pressure Available	2.55" w.c.
No. of Blower / Motors	1
No. of Motor Speeds	1
Pre-Cleaner ---Roughing	1
No. of Final Filter Elements	1
Permanent Filter Size	6.5" Dia x 14" Lg
Type of Permanent Filter	Pleated
Filter Material	Paper
Filtration Efficiency	See Note
Outlet Spigot	3.63" x 3.63"
Mounting Type	Foot
Motor External Protection	No
Internal Thermal Protection	Yes
Pressurizer Casing Material	Plastic

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1" water column (w.c.) = 250 pascals



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### Warranty

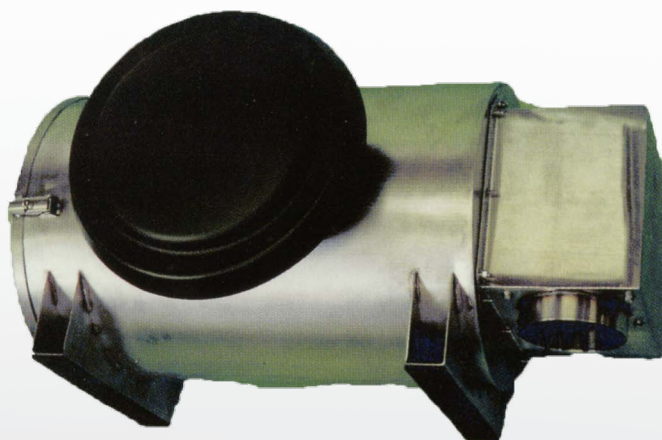
- 1-year limited warranty



NAME

**FVV150 PRESSURIZER**

VOLTS

**12****24**DESCRIPTION  
**Bergstrom  
Electrified  
System**

## Features

- Suitable for well-sealed cabs and enclosures
- Heavy-duty steel base construction
- Durable cover, highly resistant in many environments
- Large filters that require manual cleaning
- Suitable for very dusty applications with extended intervals between cleaning
- Safety filter included
- System is available in A/C or D/C configurations

## Suggested Applications

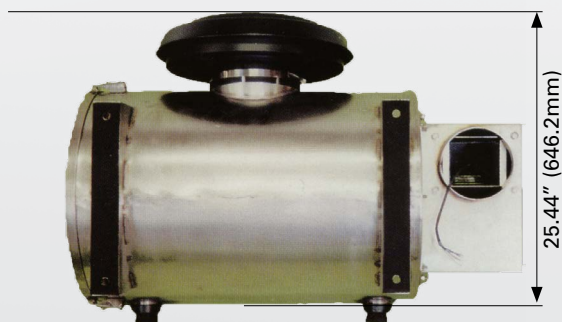
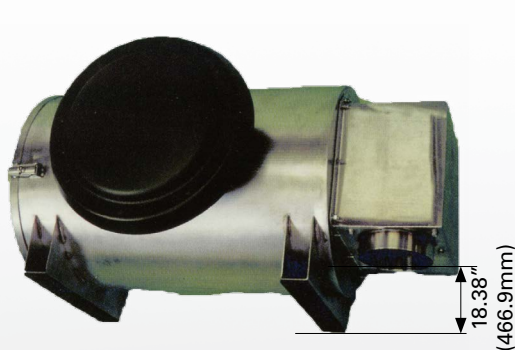


## Technical Specifications

Model	FVV150 12V	FVV150 24V
Voltage	12V	24V
Amps	14 AMPS @ 12 V.D.C.	7 AMPS @ 24 V.D.C.
Maximum air flow	315 SCFM (535 m <sup>3</sup> /hr)	315 SCFM (535 m <sup>3</sup> /hr)
Dimensions (L x W x H)	33.84in x 18.38in x 25.44in (859.5mm x 466.9mm x 646.2mm)	33.84in x 18.38in x 25.44in (859.5mm x 466.9mm x 646.2mm)
Weight	88.2 lbs. (40 kg)	88.2 lbs. (40 kg)
Mounting Position	Foot	Foot

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout

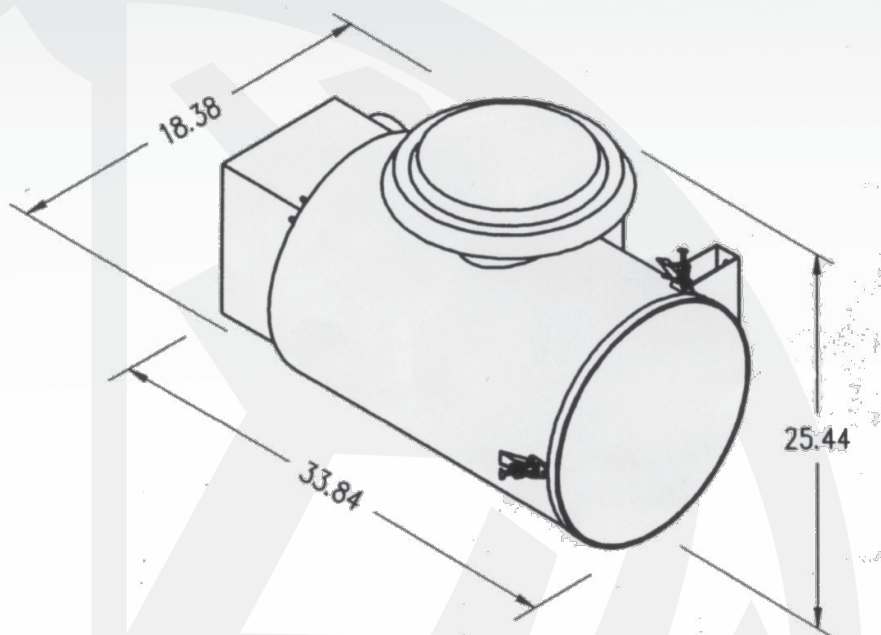


Model Specifications:	FVV150
Type of Unit	Filter/Blower
Voltages Available V.D.C.	12 or 24
Voltages Available V.A.C.	115-1-50/60
Pressurizer Watts @ 24v V.D.C.	150
Pressurizer Watts @ 115V.A.C.	200
Pressurizer Airflow:	
Clear filter, 0.00" w.c. ESP	315 CFM (150 l/s)
0.25" w.c. ESP	235 CFM (110 l/s)
0.50" w.c. ESP	210 CFM (100 l/s)
Max. Fan Static Pressure Available	2.2" w.c.
No. of Blower / Motors	1
No. of Motor Speeds	1
Pre-Cleaner	1
---Roughing	1
No. of Final Filter Elements	2
Permanent Filter Size	14.5" Dia x 24" Lg
Type of Permanent Filter	Pleated
Filter Material	Paper
Filtration Efficiency	See Note
Outlet Spigot	5.5" Dia.
Mounting Type	Foot
Motor External Protection	No
Internal Thermal Protection	Yes
Pressurizer Casing Material	Stainless Steel

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1" water column (w.c.) = 250 pascals

## Line Drawing



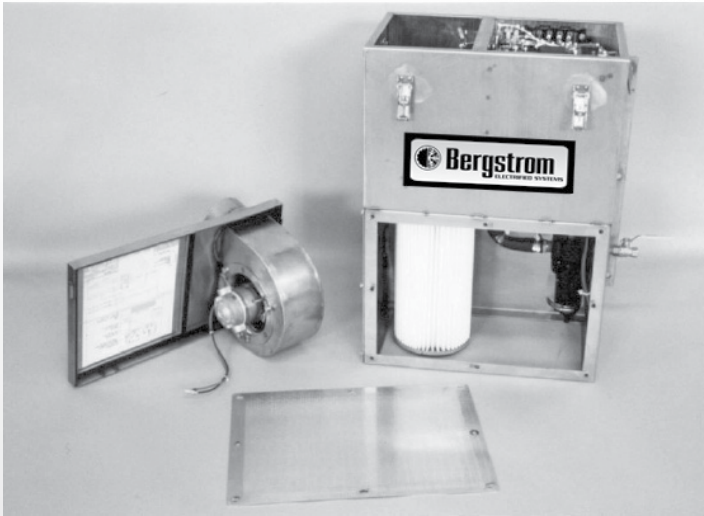
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### Warranty

- 1-year limited warranty





Features

- Stainless steel construction
- Impact resistant cover
- Highly efficient and washable filter
- (2) fans mounted in series to provide high static pressure capability
- Designed for use in cabs and enclosures of typically heavy diesel driven machinery where compressed air source is available
- Fan cycle times are adjustable to suit site conditions.
- Available in 24VDC or 120VAC voltages

Suggested Applications

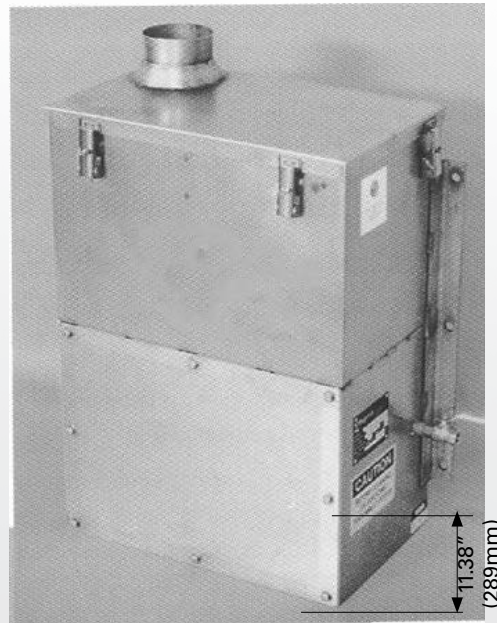
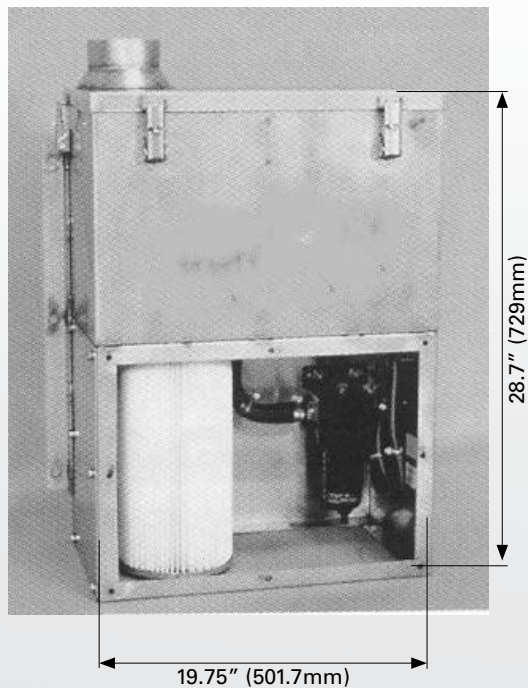


Technical Specifications

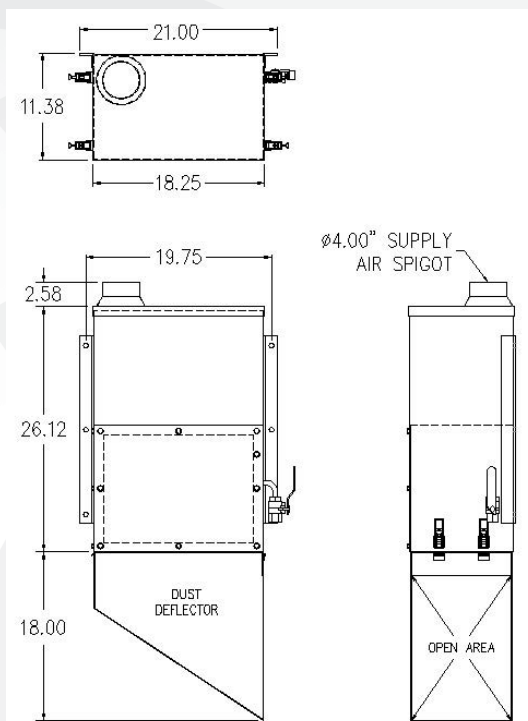
Model	FVW100 120V	FVW100 24V
Voltage	12V	24V
Amps	3 AMPS @ 120 V.A.C	7 AMPS @ 24 V.D.C.
Maximum air flow	365 SCFM (620 m³/hr)	365 SCFM (620 m³/hr)
Dimensions (W x H x D)	19.75in x 28.7in x 11.38in (501.7mm x 729mm x 289mm)	19.75in x 28.7in x 11.38in (501.7mm x 729mm x 289mm)
Weight	100 lbs. (45,5 kg)	100 lbs. (45,5 kg)
Mounting Position	Wall	Wall

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



Model Specifications:	FVW100
Type of Unit	Filter/ Blowers
Voltages Available V.D.C.	12 or 24
Voltages Available V.A.C.	115-1-50/60
Pressurizer Watts @ 24 V.D.C.	300
Pressurizer Watts @ 115 V.A.C.	400
Pressurizer Airflow:	
Clear filter, 0.00" w.c. ESP	365 CFM (175 l/s)
0.25" w.c. ESP	325 CFM (155 l/s)
0.50" w.c. ESP	285 CFM (135 l/s)
Max. Fan Static Pressure Available	5.3" w.c.
No. of Blower / Motors	2
No. of Motor Speeds	1
Method of Speed Change	Manual
No. of Final Filter Elements	1
Permanent Filter Size	6" Dia x 13" Lg
Type of Permanent Filter	Pleated
Filter Material	Spun Polyester
Filtration Efficiency	99% @ 0.3 Microns
Outlet Spigot	4" Dia.
Compressed Air Inlet	3/8" FPT
Compressed Air Pressure Required	60-100 psig
Mounting Type	Wall
Cleaning Trigger	Adjustable Timer
Motor External Protection	Circuit Breaker
Internal Thermal Protection	Yes
Pressurizer Casing Material	Stainless Steel

Note #1: Air Cleaner Test, SAE J126, which includes 12% in the 0 - 5 micron range.

Note #2: 1" water column (w.c.) = 250 pascals



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### Warranty

- 1-year limited warranty





## M-Series

The multipurpose M-Series is designed to be used on larger cabs where 3-phase electrical power is available, such as draglines, drills, crane cabs and shovels. These are the largest systems in the Bergstrom line and are available in capacities of 18,000 BTU/hr to 54,000 BTU/hr. Various voltages are available.

### Available Power Options:

- 208-230/1/60
- 200-230/3/60
- 200-220/3/50
- 380-415/3/50
- 460/3/60
- 460/3/50
- 575/3/60

A variety of control voltages also available

### Special Options:

- Coated Coils
- Alternative High Ambient Refrigerants

## Product Data & Specifications

Technical Specifications:							
Model		MPV5		MPV9		BES2400	
Cooling Capacity		18,000 btu/hr	(5,2 kW)	31,000 btu/hr	(8,9 kW)	24,000 BTU/hr (7 kW)	
Heating Capacity		34,000 btu/hr	(10,0 kW)	41,000 btu/hr	(12,0 kW)	20,450 BTU/hr (6kW)	
Heating Stages		two		two			
Airflow - High Speed		600 CFM	(280 l/s)	1300 CFM	(610 l/s)		
Airflow - Low Speed		500 CFM	(240 l/s)	870 CFM	(410 l/s)	600 CFM	(1,019 m³/hr)
Weight		540 lbs	(245 kg)	1300 lbs	(590 kg)	208 lbs	(110 kg)
CompressorType		scroll		scroll			
Number of Cylinders		n/a		n/a			
Pressurization		120 CFM	(56 l/s)	120 CFM	(56 l/s)		
Controls		110 V.A.C.		110 V.A.C.			
Motor Protection		Circuit Breaker		Circuit Breaker			
		Thermal Overload		Thermal Overload			
Compr. Capacity Control		none		none			
Condenser Fan		1 speed		1 speed			
Refrigerant Metering		TXV		TXV			
Thermostat-Electronic 5 Stage		Standard		Standard			

Rating Conditions: Cooling Capacity - Indoor 80°F DB/67°F WB with Outdoor 110°F DB/60°F WB

Heating Capacity @ Rated Voltage

For capacities at ARI Std. 210 conditions of cooling capacity, with Indoor 80°F DB/67°F WB and Outdoor 95°F DB/75°F WB add approximately 75% to rated capacity.

Above Spec based on 460/30/60 versions heating and cooling, capacities may vary depending on supplied voltage.



## Features

- Heavy gauge stainless steel construction
- Designed for smaller mining cabs and industrial equipment
- Easy installation
- Quiet and efficient scroll compressors
- Two-stage electric heat
- Positively pressurized electrical cubicle to keep dust and water out
- 5-stage electronic thermostat with remote control for operator comfort
- Compatible with new automatic cleaning pressurizer

## Suggested Applications



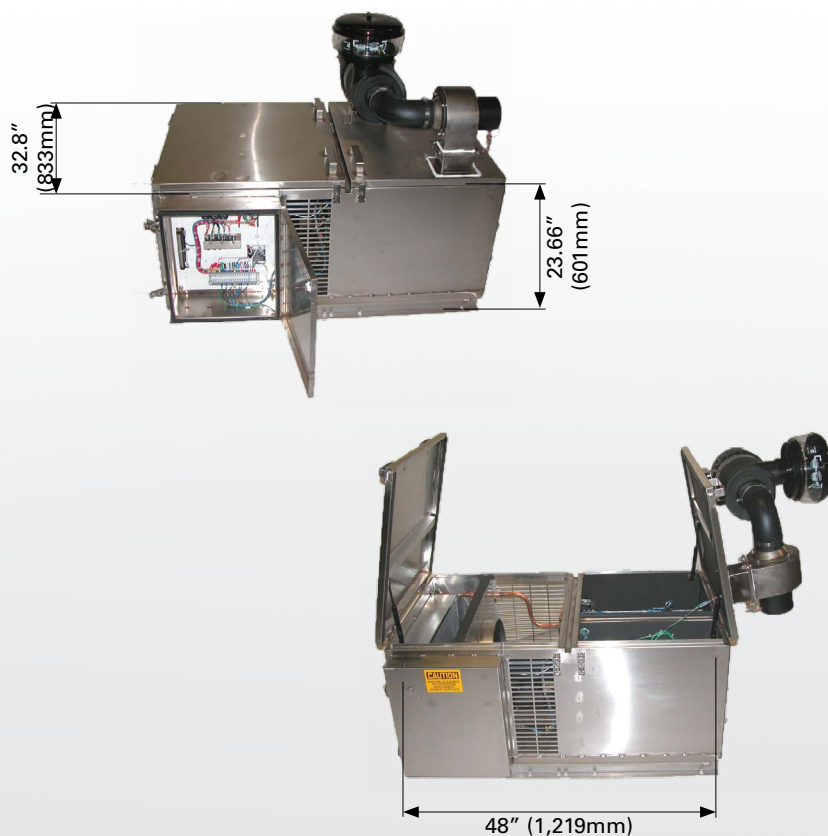
## Technical Specifications

Model	MPV5
Power*	Cooling: 18,000 BTU/hr (5,3 kW) Heating: 34,000 BTU/hr (10,0 kW)
Amps	20 AMPS @ 460/3/60
Maximum air flow	High: 600 SCFM (1,019 m <sup>3</sup> /hr) Low: 500 SCFM (850 m <sup>3</sup> /hr)
Dimensions (L x W x H)	48in x 32.8in x 23.66in (1,219mm x 833mm x 601mm)
Weight	540 lbs. (244,9 kg)
Mounting Position	Rooftop, Walkway or Deck

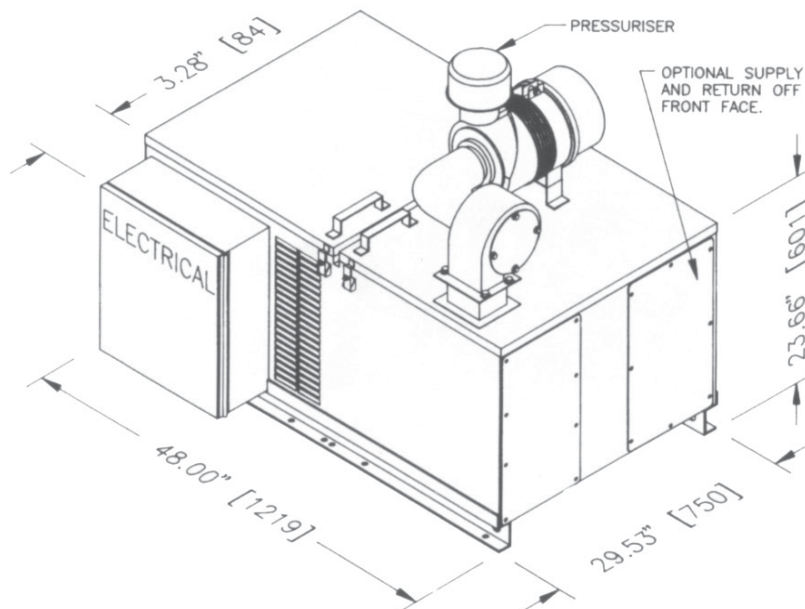
(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



Model Specifications:	MPV5
Cooling Capacity	18,000 BTU/hr (5,2 kw)
Heating Capacity	34,000 BTU/hr (10,0 kw)
Heating Stages	2
Airflow - High Speed	600 CFM (280 l/s)
Airflow - Low Speed	500 CFM (240 l/s)
Compressor Type	Scroll
Pressurization	120 CFM (56 l/s)
Controls	110 VAC
Motor Protection	Circuit Breaker Thermal Overload
Compressor Capacity Control	None
Condenser Fan	1-Speed
Refrigerant Metering	TXV
Thermostat	Standard
- Electronic 5-stage	

Rating Conditions: Cooling Capacity  
- Indoor 80°F DB/67°F WB with  
Outdoor 110°F DB/60°F WB  
Heating Capacity @ Rated Voltage

For capacities at ARI Std. 210 conditions of cooling capacity with 80°F DB/67°F WB and Outdoor 95°F DB/75°F WB add approximately 7.5% to rated capacity.

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### Warranty

- 1-year limited warranty



### Suggested Applications



### Features

- Heavy gauge stainless steel construction
- Triple-gasketed evaporator cover to eliminate dust and water ingress
- Positively pressurized electrical cubicle to keep dust and water out
- Very easy to service and keep clean
- Quiet operation with large scroll compressor
- Higher capacity to handle increased cooling and heating loads due to increases in amounts of air pressurization
- Head pressure control for cooler climate operations without sacrificing performances in hot locations
- No pre-cleaner required since pressurizer intake is from condenser fan intake
- Capacity controls to enhance operation over a wide temperature range
- 5-stage electronic thermostat with remote control for operator comfort
- Compatible with new automatic cleaning pressurizer
- Several power options available

### Technical Specifications

Model	MPV9
Power*	Cold: 30,369 BTU/hr (8,9 kW) Hot: 40,946 BTU/hr (12,0 kW)
Amps	25 AMPS @ 460/3/60
Maximum air flow	High: 1,300 SCFM (2,209 m <sup>3</sup> /hr) Low: 870 SCFM (1,478 m <sup>3</sup> /hr)
Dimensions (L x W x H)	47.48in x 62.72in x 32.75in (1,206mm x 1,593mm x 832mm)
Weight	1,100 lbs. (499 kg)
Mounting Position	Rooftop, Walkway or Deck

(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



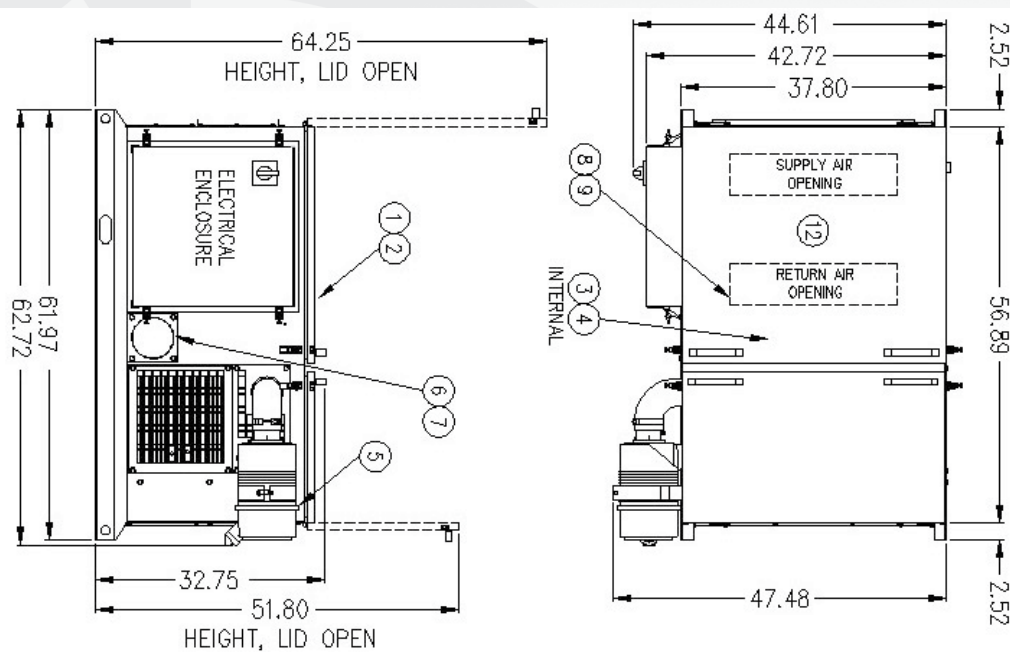
Model Specifications:	MPV5
Cooling Capacity	31,000 BTU/hr (8,9 kw)
Heating Capacity	41,000 BTU/hr (12,0 kw)
Heating Stages	2
Airflow - High Speed	1,300 CFM (610 l/s)
Airflow - Low Speed	870 CFM (410 l/s)
Compressor Type	Scroll
Pressurization	120 CFM (56 l/s)
Controls	110 VAC
Motor Protection	Circuit Breaker Thermal Overload
Compressor Capacity Control	None
Condenser Fan	1-Speed
Refrigerant Metering	TXV
Thermostat	Standard
- Electronic 5-stage	

Rating Conditions: Cooling Capacity  
- Indoor 80°F DB/67°F FWB with  
Outdoor 110°F DB/60°F FWB  
Heating Capacity @ Rated Voltage

For capacities at ARI Std. 210 conditions of cooling capacity with 80°F DB/67°F FWB and Outdoor 95°F DB/75°F FWB add approximately 7.5% to rated capacity.

Above spec based on 460/30/60 versions of heating and cooling, capacities may vary depending on supplied voltage.

## Line Drawing



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### Warranty

- 1-year limited warranty



## Features

- Heavy gauge stainless steel construction
- Uses environmentally friendly R134a
- Operates in extreme conditions up to 122°F/50°C

## Suggested Applications



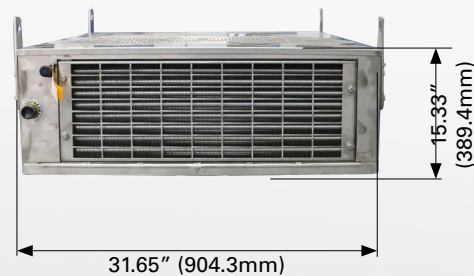
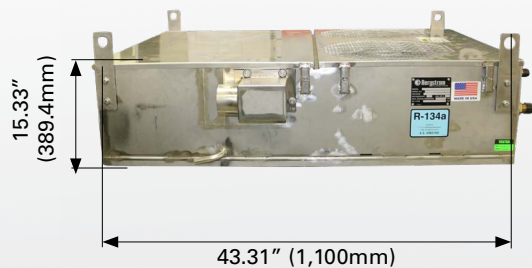
## Technical Specifications

Model	BES2400
Power*	Cold: 24,000 BTU/hr (7 kW) Hot: 20,450 BTU/hr (6 kW)
Amps	40 AMPS @ 24 V. D. C.
Maximum air flow	600 SCFM (1,019 m <sup>3</sup> /hr)
Dimensions (L x W x H)	43.31in x 31.65in x 15.33in (1,100mm x 8043mm x 389.4mm)
Weight	208 lbs. (110 kg)
Mounting Position	Rooftop

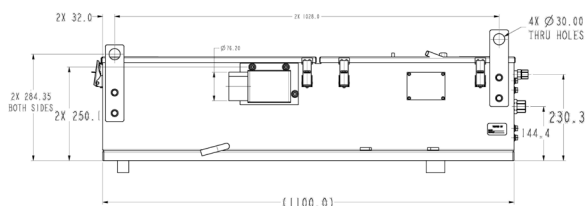
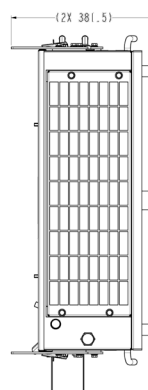
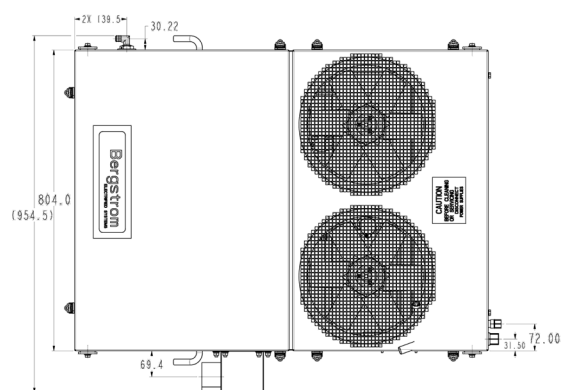
(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty rooftop mount A/C & Heater
- Heavy-duty steel construction
- Durable double wheel plastic blower
- Light integrated headliner control panel
- Variable speed blower switch
- Adjustable thermostat and water valve controls
- Integrated receiver drier and single fan condenser
- High and low pressure switch
- Fresh air filter option
- Available in 12 or 24 voltages

## Suggested Applications



## Technical Specifications

Model	BES2600LH
Power*	Cold: 25,932 BTU/hr (7,6 kW) Hot: 34,120 BTU/hr (10 kW)
Amps	32 AMPS @ 12 V. D. C. 16 AMPS @ 24 V. D. C.
Maximum air flow	315 SCFM (535 m <sup>3</sup> /hr)
Dimensions (L x W x H)	26.3n x 27.9in x 11.6in (667mm x 709mm x 295mm)
Weight	88 lbs. (40 kg)
Mounting Position	Rooftop

(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Measurements are listed using the U.S. system with the metric system in parenthesis.







## Features

- Independent climate control system
- Operates in extreme conditions up to 130°F/54°C
- Installs easily
- Virtually maintenance free
- Quiet operation
- Shell constructed with steel for maximum durability
- OEM approved construction
- Hermetically sealed electrified unit
- 134a refrigerant sealed loop
- Available in multiple voltages

## Suggested Applications



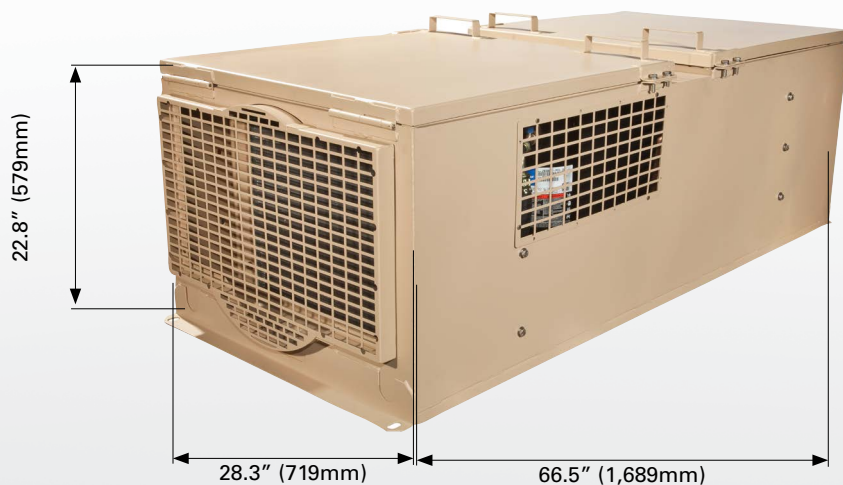
## Technical Specifications

Model	BES3000
Power*	30,000 BTU/hr (8,8 kW)
Amps	35 AMPS @ 230/1/60
Maximum air flow	600 SCFM (1019 m³/hr)
Dimensions (L x W x H)	66.5n x 28.3in x 22.8in (1,689mm x 719mm x 579mm)
Weight	480 lbs. (218 kg)
Mounting Position	

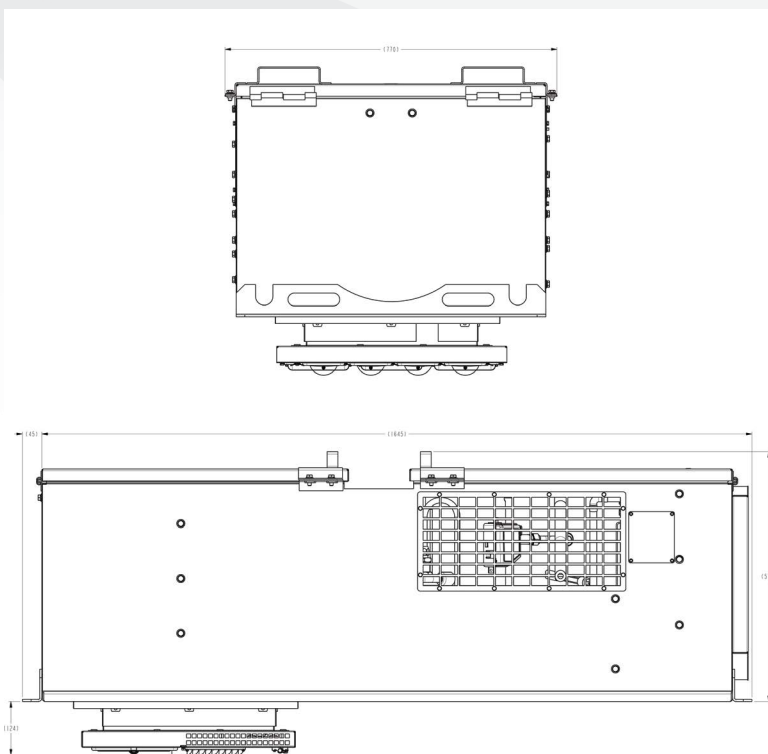
(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



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### Warranty

- 1-year limited warranty



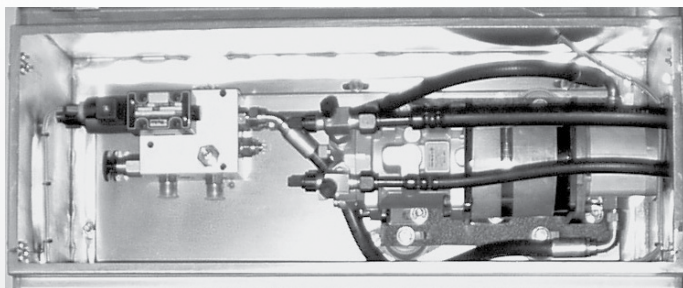
## T-Series

Our T-Series, or tractor series, is designed to be used on cabs of various rubber-tired or tracked vehicles; such as haul trucks, small drills and others. The systems are generally 12 or 24 V.D.C. and typically require a remote engine-driven compressor.

## Product Data & Specifications

### Technical Specifications:

Model	TBV6	TCR6	TDR5	TPR6	TPW5
Voltage	12V or 24V	12V or 24V			
Cooling Capacity		up to 22,000 BTU/hr (6,4 kW)	18,000 BTU/hr (5,2 kW)	20,473 BTU/hr (6 kW)	18,000 BTU/hr (5,3 kW)
Heating Capacity - Hot Water			35,000 BTU/hr (10 kW)	40,000 BTU/hr (11,7 kW)	40,000 BTU/hr (11,7 kW)
Amps			25 A/h		25 A/h
Airflow - High Speed		2,400 SCFM (4,078 m <sup>3</sup> /hr)	400 CFM (190 l/s)	450 SCFM (764.55 m <sup>3</sup> /hr)	450 SCFM (764.55 m <sup>3</sup> /hr)
Airflow - Medium Speed			350 CFM (165 l/s)		
Airflow - Low Speed			300 CFM (140 l/s)		
Pressurization			110 CFM (50 l/s)		
Condenser Motors			(2) Fully sealed		
Condenser Fans			10" (250 mm)		
Evaporator Motor			(2) Fully sealed		
Evaporator Fans			(2) Single inlet		
Motor Protection			Circuit Breakers		
Compressor Power				Hydraulic	
Weight	100 lb (45,4 kg)	40 lb (18,1 kg)	150 lb (68 kg)	400 lb (181,4 kg)	375 lb (170 kg)



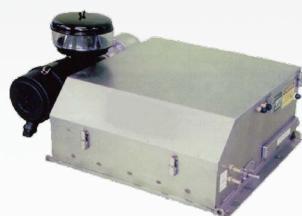
## Features

- Heavy-duty stainless steel construction
- Precise hydraulic control
- Direct drive compressor
- Compressor mounted to minimize vibration
- Alternative to an engine mounted compressor

## Suggested Applications



## Recommended Bergstrom Electrified System



**FFR6**  
page 108



**TDR5**  
page 138



**TPR6**  
page 140

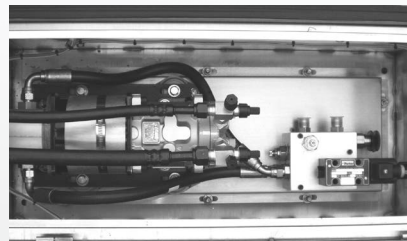
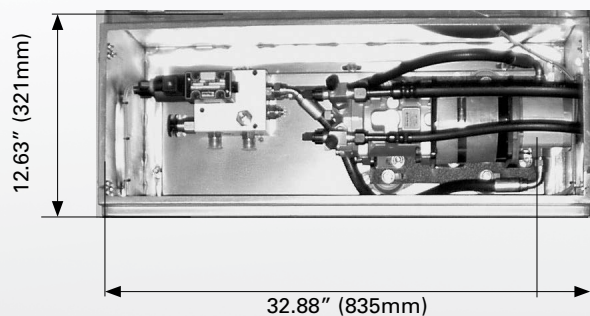
## Technical Specifications

Model	TBV6 12V	TBV6 24V
Voltage	12V	24V
Dimensions (L x W x H)	32.88in x 12.63in x 13.38in (835mm x 321mm x 340mm)	32.88n x 12.63in x 13.38in (835mm x 321mm x 340mm)
Weight	100 lbs. (45,4 kg)	100 lbs. (45,4 kg)
Mounting Position	Rooftop or Deck	Rooftop or Deck

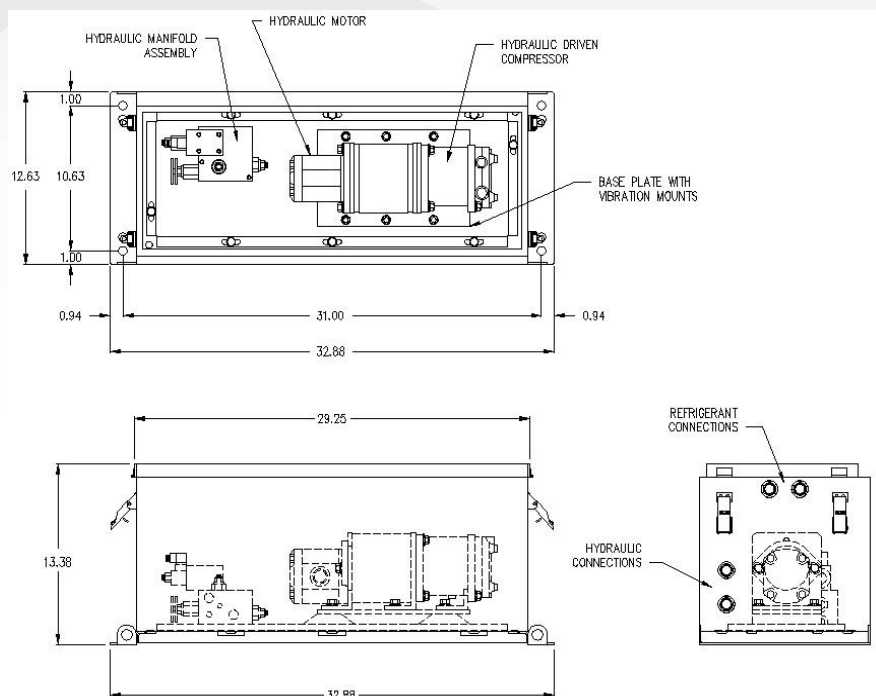
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing

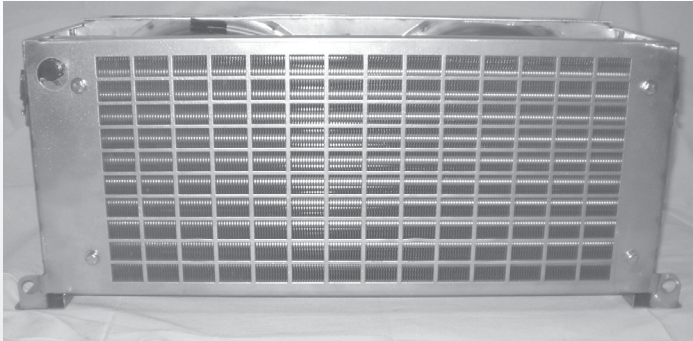


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### Warranty

- 1-year limited warranty



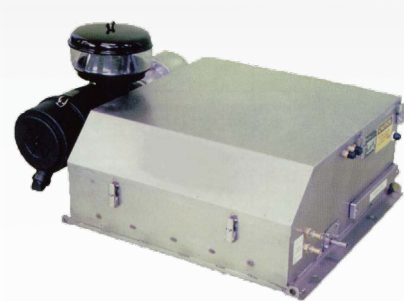
### Features

- Heavy-duty stainless steel construction
- No top openings to reduce dirt contamination
- Large coil to keep head pressures low in high ambient conditions
- Horizontal motors for optimal bearing life
- Can be used with evaporators up to 22,000 BTU/hr

### Suggested Applications



### Recommended Bergstrom Electrified System



**FFR6**  
page 108



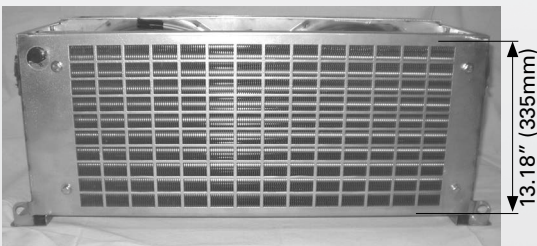
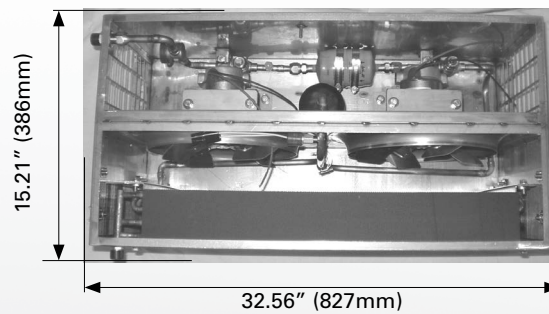
**TPR6**  
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### Technical Specifications

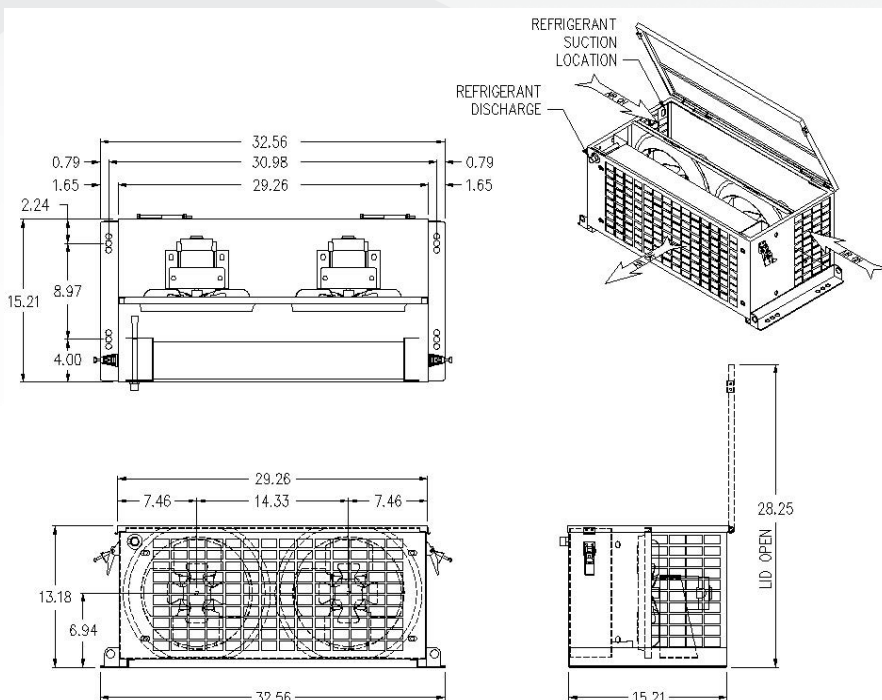
Model	TBV6 12V	TBV6 24V
Voltage	12V	24V
Power	For use up to 22,000 BTU/hr (6,4 kW)	For use up to 22,000 BTU/hr (6,4 kW)
Maximum air flow	2,400 SCFM (4,078 m³/hr)	2,400 SCFM (4,078 m³/hr)
Dimensions (L x W x H)	32.56n x 15.21in x 13.18in (827mm x 386mm x 335mm)	32.88n x 12.63in x 13.38in (835mm x 321mm x 340mm)
Weight	40 lbs. (18,1 kg)	40 lbs. (18,1 kg)
Mounting Position	Rooftop or Deck	Rooftop or Deck

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



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### Warranty

- 1-year limited warranty

### Features

- Heavy gauge stainless steel construction
- Rooftop mount
- Compressor is remote mounted
- Several power options available



### Suggested Applications



### Technical Specifications

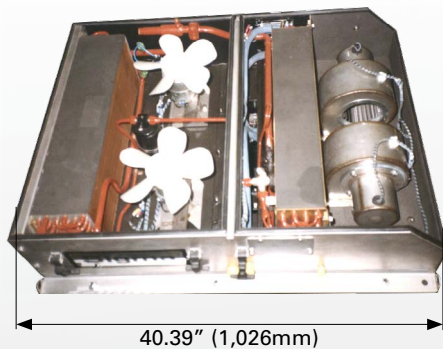
Model	TDR5 24V
Power*	Cold: 18,000 BTU/hr (5,2 kW) Hot: 35,000 BTU/hr (10,0 kW)
Amps	25 AMPS @ 24 V.D.C.
Maximum air flow	High: 400 SCFM (680 m³/hr) Medium: 350 SCFM (595 m³/hr) Low: 300 SCFM (510 m³/hr)
Dimensions (L x W x H)	40.39in x 39.22in x 10.55in (1,026mm x 996mm x 268mm)
Weight	150 lbs. (68,0 kg)
Mounting Position	Rooftop

(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Measurements are listed using the U.S. system with the metric system in parenthesis.

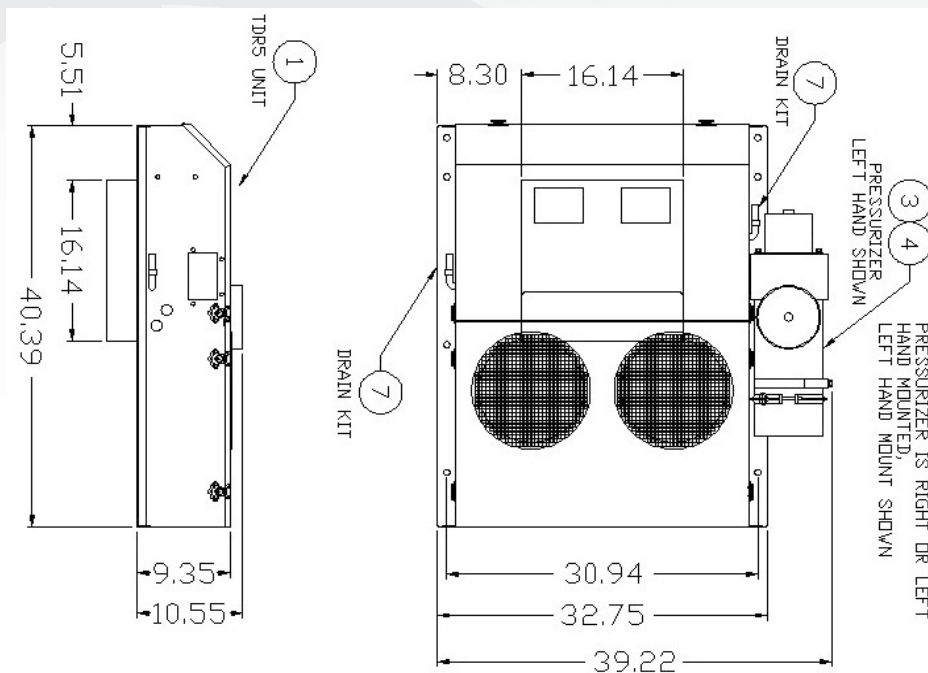


## Dimensions layout



Model Specifications:	TDR5
Cooling Capacity	18,000 BTU/hr (5,2 kw)
Heating - Hot Water	35,000 BTU/hr (10,0 kw)
Airflow - High Speed	400 CFM (190 l/s)
Airflow - Medium Speed	350 CFM (165 l/s)
Airflow - Low Speed	300 CFM (140 l/s)
Pressurization	110 CFM (50 l/s)
Condenser Motors	(2) Fully Sealed
Condenser Fans	10" (250mm)
Evaporator Motor	(2) Fully Sealed
Evaporator Fans	(2) Single Inlet
Motor Protection	Circuit Breakers

## Line Drawing



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### Warranty

- 1-year limited warranty





## Features

- Heavy-gauge stainless steel construction
- Rooftop mount
- Hydraulic-driven compressor, mounted within the unit
- Outside fan-forced filtration and pressurization system
- Fan-forced condenser assembly
- Designed to provide high levels of air filtration
- Offers climate control through refrigeration for cooling and hot water for heating

## Suggested Applications



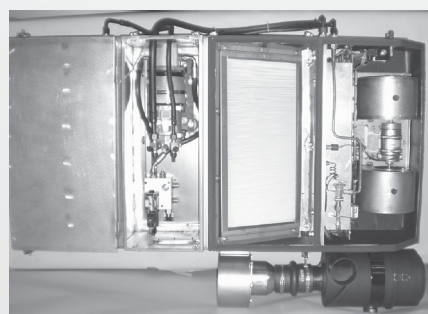
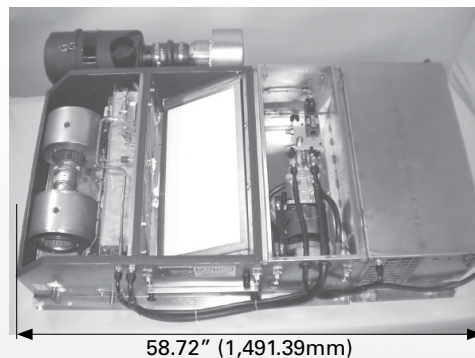
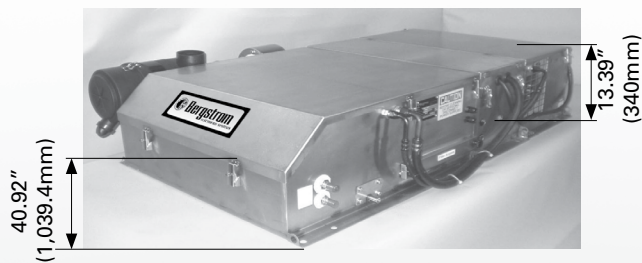
## Technical Specifications

Model	TPR6 24V
Power*	Cold: 20,473 BTU/hr (6,0 kW) Hot: 40,000 BTU/hr (11,7 kW)
Maximum air flow	450 SCFM (764.55 m <sup>3</sup> /hr)
Compressor Power	Hydraulic
Dimensions (L x W x H)	58.72in x 40.92in x 13.39in (1491.39mm x 1,039.4mm x 340mm)
Weight	400 lbs. (181,4 kg)
Mounting Position	Rooftop

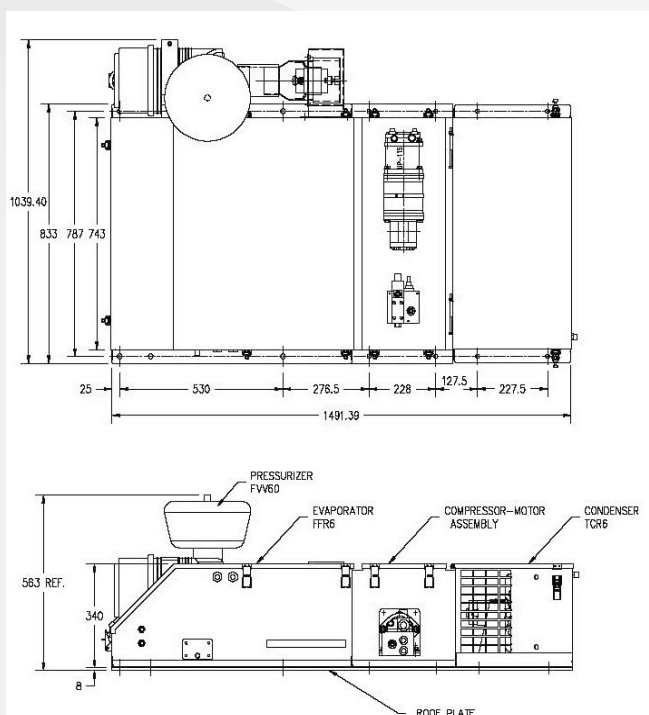
(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: 100°F and 81°F FDB/67°F FWB (38°C and 27/19°C) return air.

Measurements are listed using the U.S. system with the metric system in parenthesis.

## Dimensions layout



## Line Drawing



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### Warranty

- 1-year limited warranty



## Features

- Heavy gauge stainless steel construction
- Hydraulic driven compressor
- High efficiency, servicable filter to ensure extremely clean air is supplied to the cab
- Electronic temperature control
- Precise hydraulic control

## Suggested Applications



## Technical Specifications

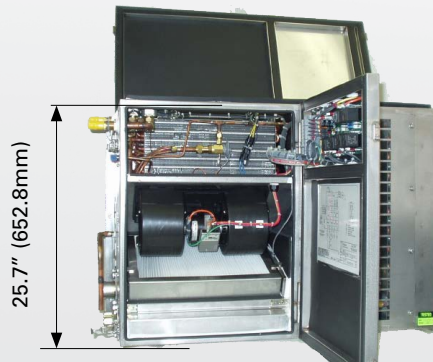
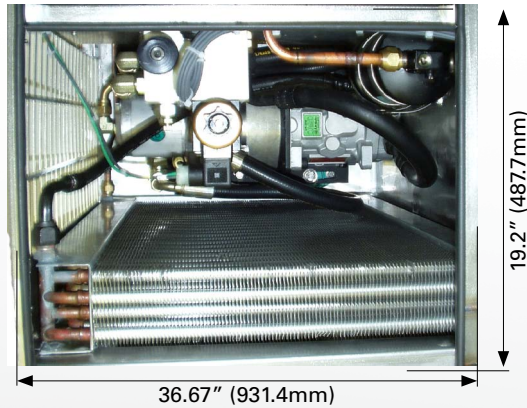
Model	TPW5 24V
Power*	Cold: 18,000 BTU/hr (5,3 kW) Hot: 40,000 BTU/hr (11,7 kW)
Amps	25 AMPS @ 24 V.D.C.
Maximum air flow	450 SCFM (765 m <sup>3</sup> /hr)
Dimensions (L x W x H)	36.67in x 19.2in x 25.7in (931.4mm x 487.7mm x 652.8mm)
Weight	375 lbs. (170 kg)
Mounting Position	Deck

(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: 100°F and 81°F FDB/67°F FWB (38°C and 27/19°C) return air.

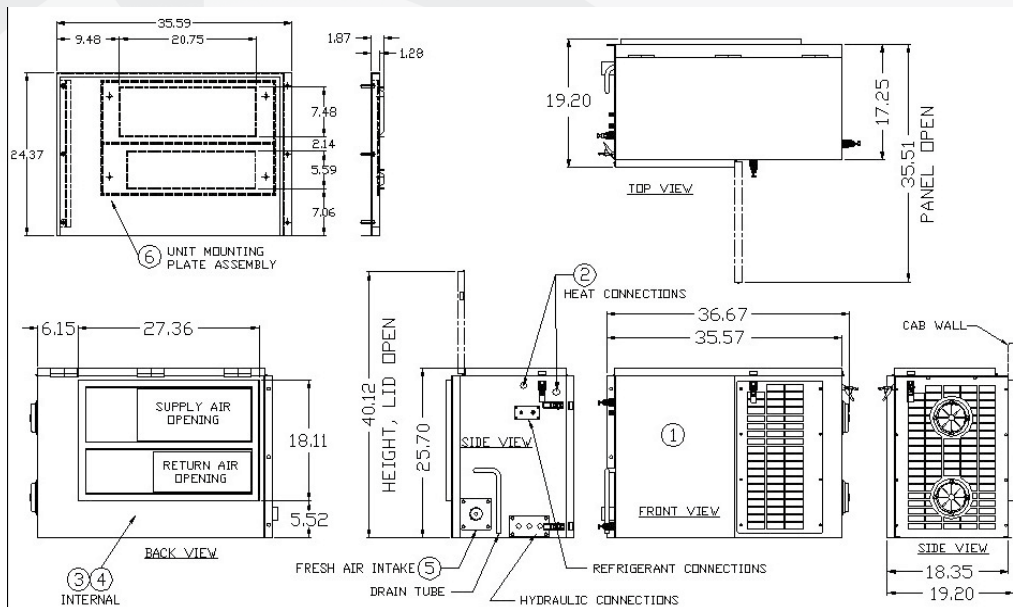
Measurements are listed using the U.S. system with the metric system in parenthesis.



## Dimensions layout



## Line Drawing



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### Warranty

- 1-year limited warranty

**NOTES:**

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# School Bus Systems



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All School Bus systems have a 3-year warranty.

Availability of the products shown in this catalog is subject to change without notice by Bergstrom, Inc. For the most current product information please visit the Kysor distributor website at <https://parts.kysorhvac.com/>.

FRONT BULKHEAD EVAPORATOR UNIT	148
REAR BULKHEAD EVAPORATOR UNIT	149
DASH EVAPORATOR UNIT	150
MIDSHIP EVAPORATOR UNIT	151
DUAL FAN CEILING EVAPORATOR UNIT	152
2-FAN CONDENSER	153
3-FAN CONDENSER	154
HEATER ASSEMBLIES	155



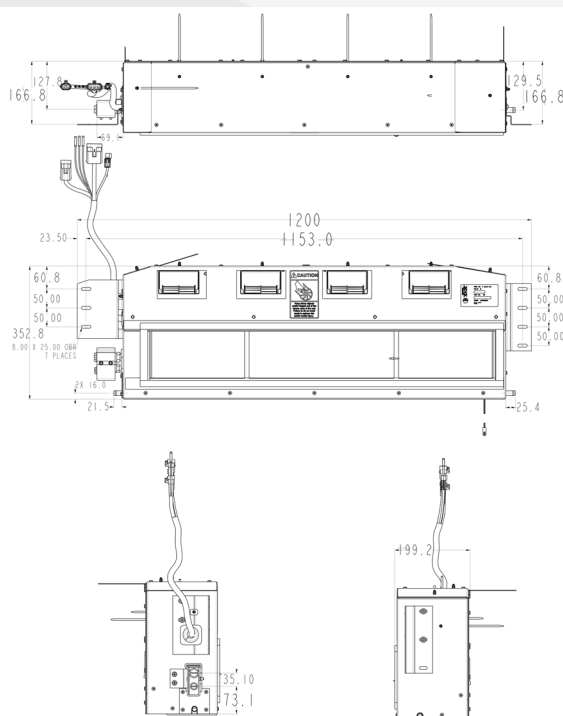
## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- An optional driver airflow duct with fully adjustable louver to maximize driver comfort
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

## Suggested Applications



## Line Drawing



## Front Bulkhead Unit Technical Specifications

Model	Front Bulkhead
Voltage	12V
Power	55,000 / 60,000 BTU/hr (16,0 / 17,6 kW)
Amps	25 A/h
Maximum air flow	1,600 CFM (2,718 m³/hr)
Dimensions (W x H x D)	47.24 in x 13.89 in x 7.84 in (1200 mm x 352.8 mm x 199.2 mm)
Weight	68 lbs. (30,8 kg)
Mounting Position	In-Wall

\*Actual system performance is dependent on installation, configuration and components used.



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

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## Warranty

- 3-year limited warranty

**Suggested Compressor: Sanden SD7 Enhanced or SeltcTM-21**



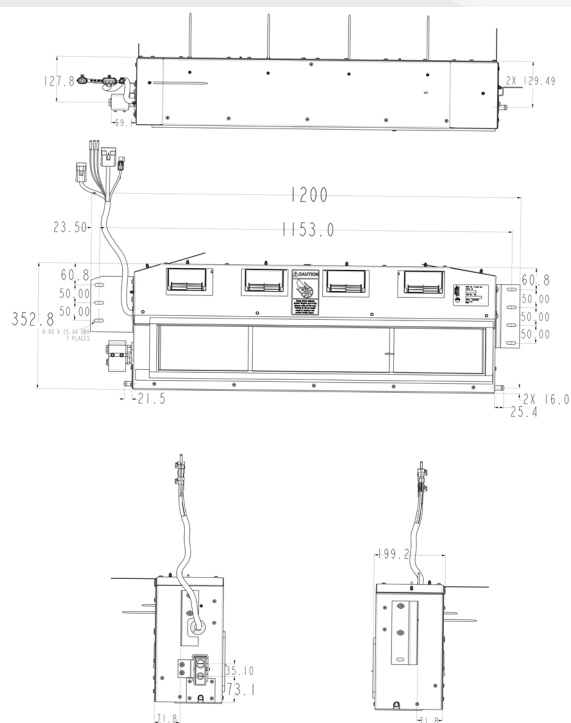
## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures.
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

## Suggested Applications



## Line Drawing



## Rear Bulkhead Unit Technical Specifications

Model	Rear Bulkhead
Voltage	12V
Power	55,000 / 60,000 BTU/hr (16,0 / 17,6 kW)
Amps	25 A/h
Maximum air flow	1,600 CFM (2,718 m³/hr)
Dimensions (W x H x D)	47.24 in x 13.9 in x 7.83 in (1200 mm x 353 mm x 199 mm)
Weight	68 lbs. (30,8 kg)
Mounting Position	In-Wall

\*Actual system performance is dependent on installation, configuration and components used.



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### Warranty

- 3-year limited warranty

**Suggested Compressor: Sanden SD7  
Enhanced or Seltec TM-21**



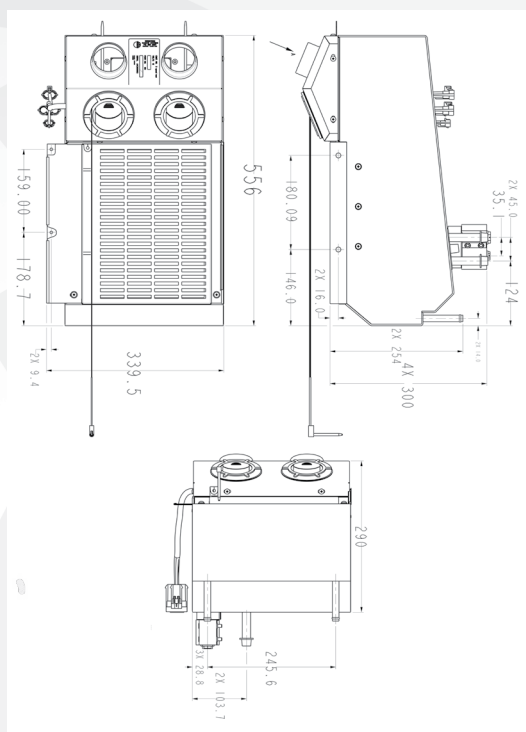
## Suggested Applications



## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- An optional driver airflow duct with fully adjustable louver to maximize driver comfort
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

## Line Drawing



## Dash Unit Technical Specifications

Model	Dash
Voltage	12V
Power	26,833 BTU/hr (7,9 kW)
Amps	19.3 A/h
Maximum air flow	323 CFM (549 m³/hr)
Dimensions (W x H x D)	13.37 in x 21.89 in x 11.42 in (339.5 mm x 556 mm x 290 mm)
Weight	68 lbs. (30,8 kg)
Mounting Position	Dash

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## Warranty

- 3-year limited warranty



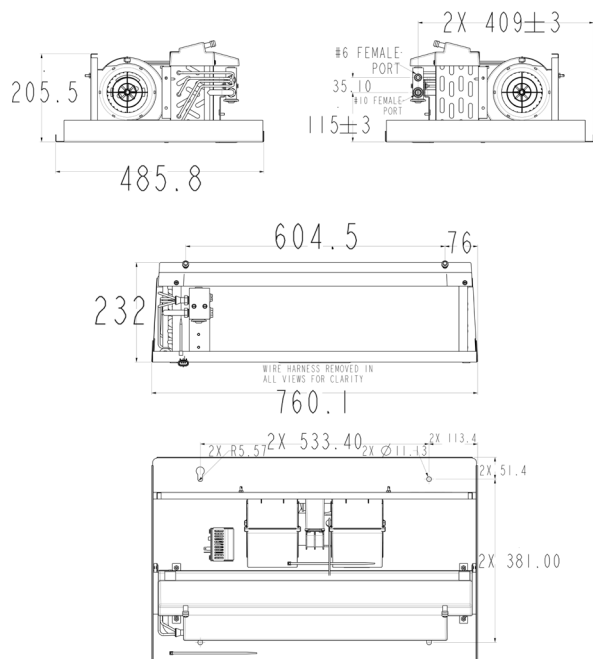
## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures.
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

## Suggested Applications



## Line Drawing



## Midship Unit Technical Specifications

Model	Midship
Voltage	12V
Power	35,000 BTU/hr (10,3 kW)
Amps	15 A/h
Maximum air flow	800 CFM (1,359 m <sup>3</sup> /hr)
Dimensions (W x H x D)	29.93 in x 9.13 in x 19.13 in (760.1 mm x 232 mm x 485.8 mm)
Weight	30 lbs. (13.6 kg)
Mounting Position	Headliner

\*Actual system performance is dependent on installation, configuration and components used.

**Suggested Compressor: Sanden SD7 Enhanced or Seltec TM-21**



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

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### Warranty

- 3-year limited warranty





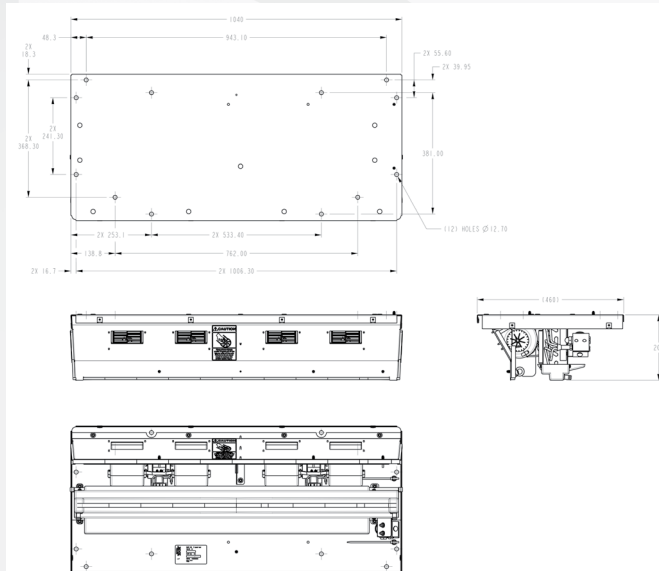
## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- An optional driver airflow duct with fully adjustable louver to maximize driver comfort
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

## Suggested Applications



## Line Drawing



## Dash Unit Technical Specifications

Model	Dash
Voltage	12V
Power	60,000 BTU/hr (17,6 kW)
Amps	15 A/h
Maximum air flow	800 CFM (1,359 m³/hr)
Dimensions (W x H x D)	30.55 in. x 14.57 in. x 26.18 in. 776 mm x 370 mm x 665 mm
Weight	30 lbs. (13,6 kg)
Mounting Position	Headliner

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**Suggested Compressor: Sanden SD7  
Enhanced or Seltec TM-21**

## Warranty

- 3-year limited warranty



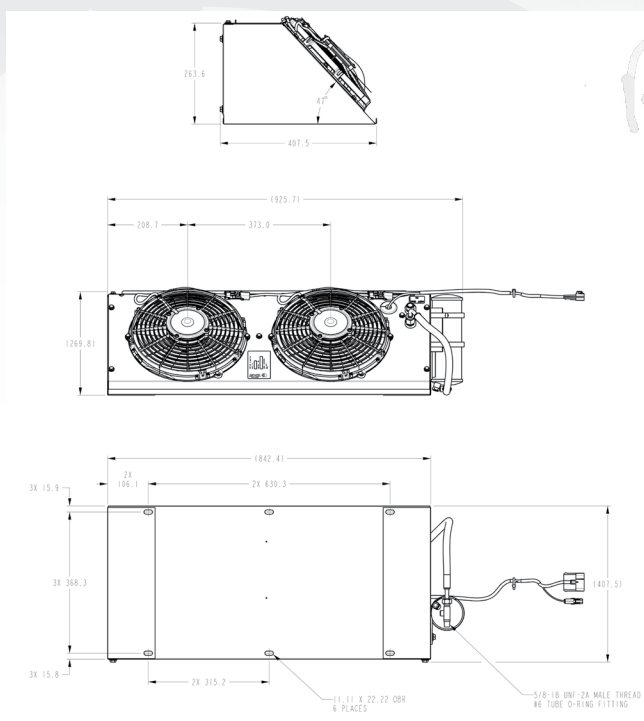
### Suggested Applications



### Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- An optional driver airflow duct with fully adjustable louver to maximize driver comfort
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

### Line Drawing



### 2-Fan Condenser Unit Technical Specifications

Model	2-Fan Condenser
Voltage	12V
Power	51,000 BTU/hr (14.9 kW)
Amps	18 A/h
Maximum air flow	1,050 CFM (1,783.9 m3/hr)
Dimensions (W x H x D)	40.94 in x 8.11 in x 18.11 in (1040 mm x 206 mm x 460 mm)
Weight	50 lbs. (21.8 kg)
Mounting Position	Skirt Mount

\*Actual system performance is dependent on installation, configuration and components used.



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**Suggested Compressor: Sanden SD7 Enhanced or Seltec TM-21**

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### Warranty

- 3-year limited warranty



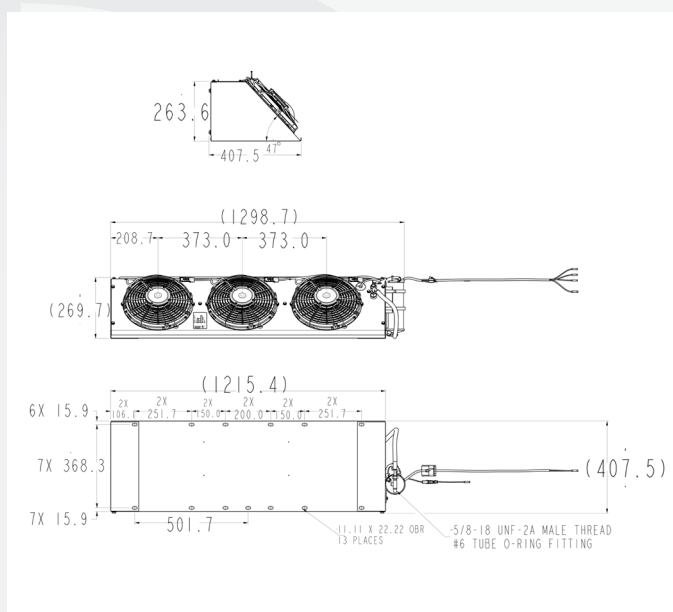
## Suggested Applications



## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved A/C performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures.
- Fully adjustable louvers to direct air flow and maximize comfort
- Easy serviceable filters
- Fully insulated case to prevent case sweating
- Bergstrom engineered
- Refrigerant line routing and refrigerant charge determined via iterative testing to optimize system performance
- Low pressure switch, high pressure switch, and freeze protection strategically engineered to protect compressor life
- Electronic freeze protection (prevents the coils from freezing out) – FYI, no one really has this functionality. (You don't want your coil to freeze up or else you will lose performance.)

## Line Drawing



## 3-Fan Condenser Unit Technical Specifications

Model	3-Fan Condenser
Voltage	12V
Power	76,000 BTU/hr (22,3 kW)
Amps	26.0 A/h
Maximum air flow	1,570 CFM (2,667m³/hr)
Dimensions (W x H x D)	51.13 in x 10.62 in x 16.04 in (1298.7 mm x 269.7 mm x 407.5 mm)
Weight	67 lbs. (30.4 kg)
Mounting Position	Skirt Mount

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## Warranty

- 3-year limited warranty

**Suggested Compressor: Sanden SD7 Enhanced or SeltecTM-21**

**Part No: 3314001**



Combo-Bunk-12V-Temp-K142-537-1

**Part No: 3399003**



Assembly, 50 K Heater

**Part No: 3399006**



Heater, Double Floor Mount

Blue Bird Cross Reference No: 10013875

**Part No: 3399007**



Heater, Fm Underseat Single

Blue Bird Cross Reference No: 10013876

**Part No: 3399008**



Heater, Underseat Double Fan

Blue Bird Cross Reference No: 10013872

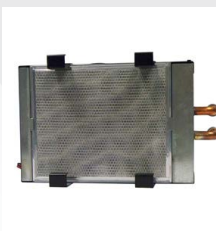
**Part No: 3399009**



Heater, Underseat Double Fan

Thomas Built Bus Cross Reference No: 182523

**Part No: 3399018**



Heater, Seat Mount Lh Single

Blue Bird Cross Reference No: 10013874

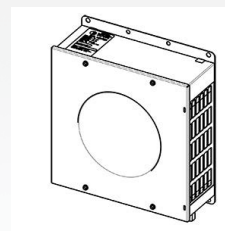
**Part No: 3399022**



Rear Wall Mount Heater

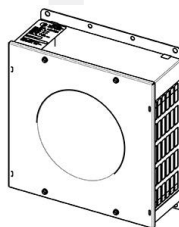
Blue Bird Cross Reference No: 00026361

**Part No: 3399023**



Heater, Wheel Chair 660-0100

**Part No: 3399024**



Heater, Wheel Chair 6600-0100

Thomas Built Bus Cross Reference No: 179971

**Part No: 3399026**



Heater Assembly, 80K Wallmount

IC Corp Cross Reference No: 448253001

**Part No: 3399030**



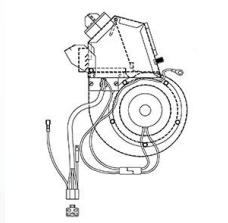
Heater-Stepwell 6600-1601

Thomas Built Bus Cross Reference No: 6600-1601





**Part No: 3399032**



Air Plenm/Blwr Pkg, 12V

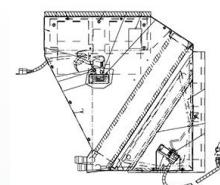
**Part No: 3399033**



Heater, Wheel Chair

Thomas Built Bus Cross Reference No: 177926

**Part No: 3399034**



Heater Assembly, Re

Blue Bird Cross Reference No: 10024643

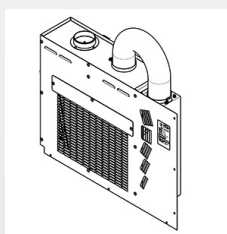
**Part No: 3399035**



Heater Assembly, Re

IC Corp Cross Reference No: 2229059C1

**Part No: 3399036**



Heater Assembly - 50K

IC Corp Cross Reference No: 3864119C1

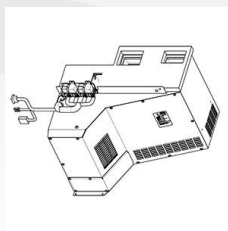
**Part No: 3399037**



Heater Assembly, Re

IC Corp Cross Reference No: 3864183C1

**Part No: 3399039**



Heater Assembly, Ef

Thomas Built Bus Cross Reference No: 158457

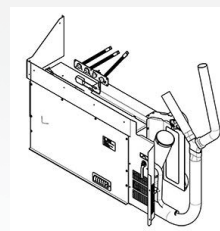
**Part No: 3399040**



Heater Assembly - Hdx

Thomas Built Bus Cross Reference No: 176309

**Part No: 3399047**



Combo Assembly, Bluebird

Blue Bird Cross Reference No: 10006652

**Part No: 3399048**



Heater Assembly, Bluebird

Blue Bird Cross Reference No: 10006651

**Part No: 3399049**



Heater, Seat Mount Rh Double

Blue Bird Cross Reference No: 100013871

**Part No: 3399050**



Heater, Seat Mount Rh Single

Blue Bird Cross Reference No: 10013873



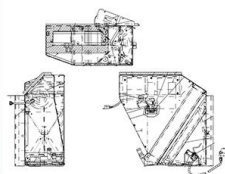
**Part No: 3399054**



Heater Foot Warmer

Thomas Built Bus Cross Reference No: 6600-0894

**Part No: 3399055**



Assembly, Heater Fe

Blue Bird Cross Reference No: 10024645

**Part No: 3399056**



Heater, Wheelchair

IC Corp Cross Reference No: 3991274C1

**Part No: 3399057**



Heater Assembly

Thomas Built Bus Cross Reference No: 182473

**Part No: 3399058**



Heater Assembly

Thomas Built Bus Cross Reference No: 182482

**Part No: 3399059**



Heater Assembly

Thomas Built Bus Cross Reference No: 182520

**Part No: 3399060**



Heater Assembly

Thomas Built Bus Cross Reference No: 182524

**Part No: 3399061**



Heater Assembly

Thomas Built Bus Cross Reference No: 182783

**Part No: 3399063**



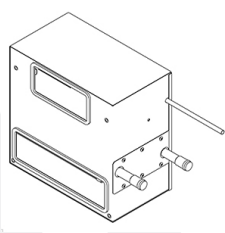
Heater Assembly - Underseat

**Part No: 3399064**



Heater Assembly - Underseat (Double)

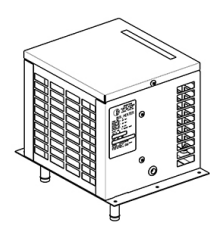
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Assembly, Thomas Stepwell

Thomas Built Bus Cross Reference No: 104947

**Part No: 3399076**

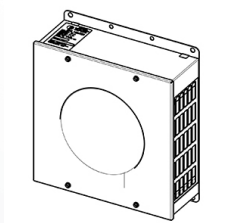


Heater Foot Warmer Aftermarket

Thomas Built Bus Cross Reference No: 6600-0894

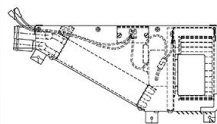


**Part No: 3399082**



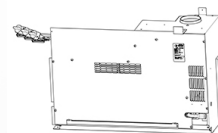
Heater, Wheel Chair

**Part No: 3399084**



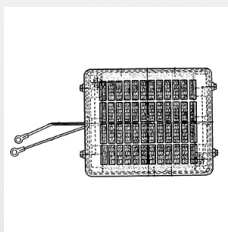
Heater Package, Amtran 14,000BTU/hr Auxillary  
IC Corp Cross Reference No: 431736001

**Part No: 3399086**



Kit, Heater (Lf) (Service)

**Part No: 3399087**



Heater, 12V At140290/719377

**Part No: 3399090**



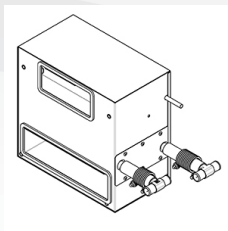
Heater, Bus Driver Re

**Part No: 3399091**



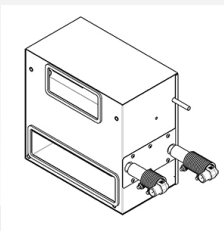
Heater, Underseat Double Fan  
Thomas Built Bus Cross Reference No: 182519

**Part No: 3399092**



Heater Assembly-Stepwell

**Part No: 3399093**



Heater Assembly - Stepwell,

**Part No: BSP00021HEAT12**



Heater Driver Assembly  
Blue Bird Cross Reference No: 01654482

# Solar Energy Systems

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When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

All Solar systems have a 5-year warranty.

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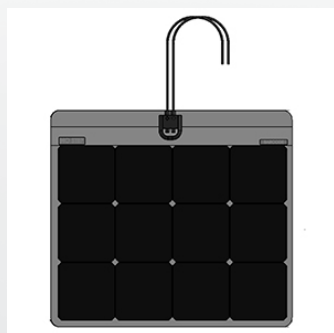


NAME

# 12 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 12 Cell Technical Specifications

Part No:	4499173
Description	50W 12 Cell White Panel Solar Module Kit with 12VDC Genasun GV-B8 Controller Kit
Voltage	12V
Dimensions (L x W x T)	26 57/64 in x 23 41/64 in x 45/64 in (683 mm x 598.5 mm x 17.8 mm)
Notes	12 (3 x 4), 50 watt

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499179*
Description	50W 3 x 4 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	26 21/64 in x 23 7/64 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	12 cell (3 x 4), 50 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

## Features

- 12 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications





NAME

# 24 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 24 Cell Technical Specifications

Part No:	4499177*
Description	110W 2 x 12 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	79 39/64 in x 14 39/64 in x 45/64 in (2030 mm x 373 mm x 17.8 mm)
Notes	24 cell (2 x 12), 110 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

### Features

- 24 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

### Suggested Applications



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### Warranty

- 5-year limited warranty





NAME

# 36 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 36 Cell Technical Specifications

Part No:	4499155
Description	165W 2 x 18 Cell Panel Solar Module with 12VDC SC30 Charge Controller
Voltage	12V
Dimensions (L x W x T)	117 27/64 in x 14 43/64 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	36 cell (2 x 18), 165 watt

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499167*
Description	165W 2 x 18 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	117 27/64 in x 14 43/64 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	36 cell (2 x 18), 165 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

## Features

- 36 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications



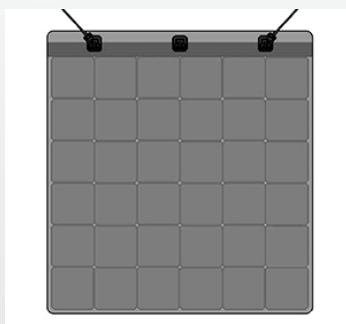


NAME

# 36 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 36 Cell Technical Specifications

Part No:	4499182
Description	165W 6 x 6 Cell Panel Solar Module with 12VDC SC30 Charge Controller
Voltage	12V
Dimensions (L x W x T)	42 3/64 in x 38 55/64 in x 45/64 in (1068 mm x 987 mm x 17.8 mm)
Notes	6 cell (6 x 6), 165 watt

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499183*
Description	165W 6 x 6 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	42 3/64 in x 38 55/64 in x 45/64 in (1068 mm x 987 mm x 17.8 mm)
Notes	6 cell (6 x 6), 165 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

## Features

- 36 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications



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## Warranty

- 5-year limited warranty

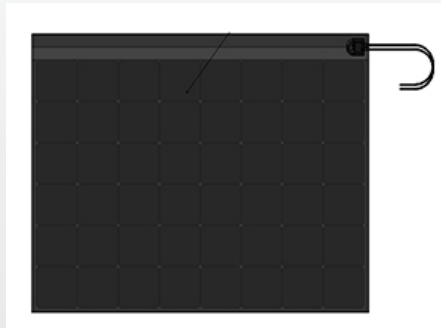
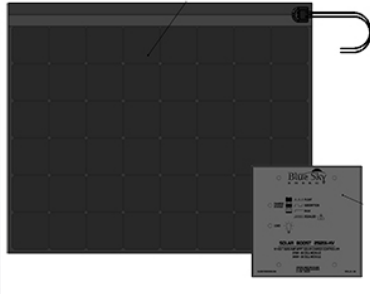


NAME

# 48 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 48 Cell Technical Specifications

Part No:	4499174
Description	220W 8 x 6 Cell Panel Solar Module Kit with 2512ix Charge Controller
Voltage	12V
Dimensions (L x W x T)	42 3/64 in x 51 27/64 in x 45/64 in (683 mm x 598.5 mm x 17.8 mm)
Notes	48 cell (8 x 6), 220 watt

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499184*
Description	220W 8 x 6 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	42 3/64 in x 51 27/64 in x 45/64 in (683 mm x 598.5 mm x 17.8 mm)
Notes	48 cell (8 x 6), 220 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

## Features

- 48 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications



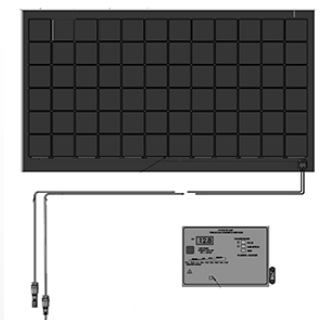


NAME

# 72 CELL SOLAR PANEL

DESCRIPTION

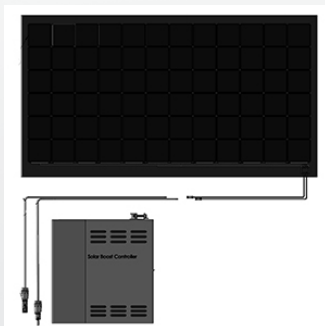
Solar Energy Systems



## 72 Cell Technical Specifications

Part No:	4499154
Description	330W 6 x 12 Cell Panel Solar Module with 12VDC SC30 Charge Controller
Voltage	12V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt

4-6 weeks lead time, smaller quantities may be in stock



Part No:	4499157
Description	330W 6 x 12 Cell Panel Solar Module with 12VDC 3024i Charge Controller
Voltage	12V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt

4-6 weeks lead time, smaller quantities may be in stock

## Features

- 72 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications



When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

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### Warranty

- 5-year limited warranty

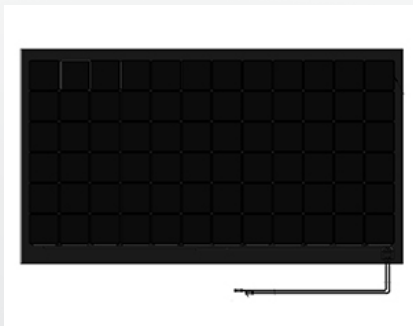
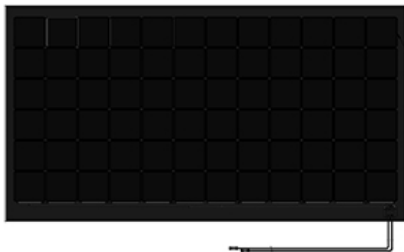


NAME

**72 CELL SOLAR PANEL**

DESCRIPTION

Solar Energy Systems



## 72 Cell Technical Specifications

Part No:	4499159*
Description	330W 6 x 12 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499169*
Description	330W 6 x 12 Cell Panel Solar Module Only
Voltage	12V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

## Features

- 72 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications





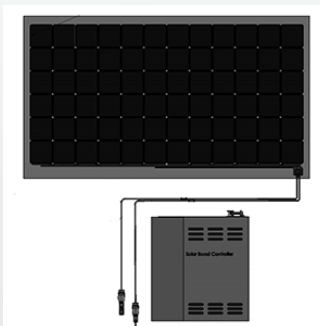
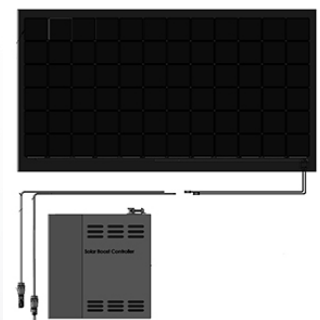


NAME

# 72 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 72 Cell Technical Specifications

Part No:	4499156
Description	330W 6 x 12 Cell Panel Solar Module with 24VDC 3024i Charge Controller
Voltage	24V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt, Expandable to add additional modules for bus applications

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499171
Description	330W 6 x 12 Cell Panel White Solar Module with 24VDC 3024i Charge Controller
Voltage	24V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt

4-6 weeks lead time, smaller quantities may be in stock

## Features

- 72 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications



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### Warranty

- 5-year limited warranty

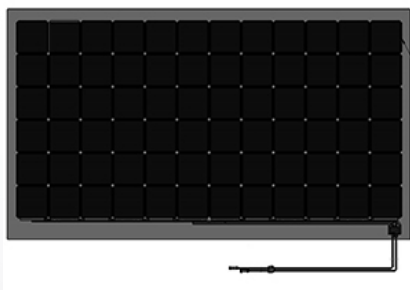


NAME

# 72 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 72 Cell Technical Specifications

Part No:	4499178
Description	330W 6 x 12 Cell Panel White Solar Module Only
Voltage	12V
Dimensions (L x W x T)	78 27/64 in x 43 11/16 in x 45/64 in (669 mm x 587 mm x 17.8 mm)
Notes	72 cell (6 x 12), 330 watt

4-6 weeks lead time, smaller quantities may be in stock

**\*Must purchase charge controller and circuit breaker (4499162)**

### Features

- 72 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

### Suggested Applications





NAME

# 96 CELL SOLAR PANEL

DESCRIPTION

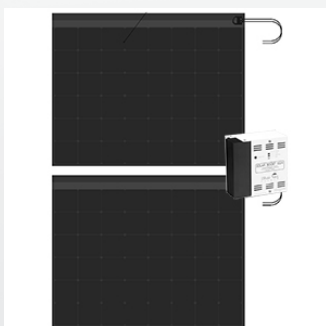
Solar Energy Systems



## 96 Cell Technical Specifications

Part No:	4499172
Description	440W (4 x 110W 2 x 12 Cell Panels) White Solar Module with 12VDC 3024i Charge Controller
Voltage	12V
Dimensions (L x W x T)	78 27/64 in x 14 43/64 in x 45/64 in (669 mm x 372.6 mm x 17.8 mm)
Notes	24 cell (2 x 12) per panel, 4 x 110 watt

4-6 weeks lead time, smaller quantities may be in stock



Part No:	4499175
Description	440W (2 x 220W 8 x 6 Cell Panels) Solar Module Kit with 3024i Charge Controller
Voltage	12V
Dimensions (L x W x T)	56 1/16 in x 38 55/64 in x 45/64 in (1424 mm x 987 mm x 17.8 mm)
Notes	48 cell (8 x 6) per panel, 2 x 220 watt

4-6 weeks lead time, smaller quantities may be in stock

## Features

- 72 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications



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## Warranty

- 5-year limited warranty

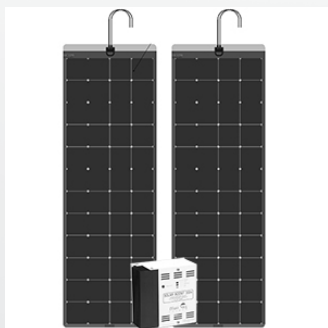
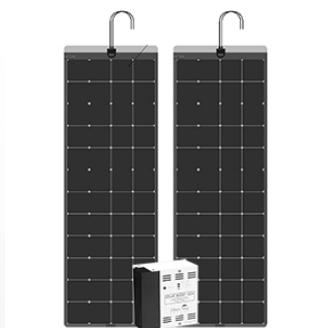


NAME

# 96 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 96 Cell Technical Specifications

Part No:	4499176
Description	440W (2 x 220W 4 x 12 Cell Panels) Solar Module Kit with 3024i Charge Controller
Voltage	12V
Dimensions (L x W x T)	79 39/64 in x 14 39/64 in x 45/64 in (2030 mm x 373 mm x 17.8 mm)
Notes	48 cell (4 x 12) per panel, 2 x 220 watt

4-6 weeks lead time, smaller quantities may be in stock

Part No:	4499180
Description	440W (2 x 220W 4 x 12 Cell Panels) White Solar Module Kit with 3024i Charge Controller
Voltage	12V
Dimensions (L x W x T)	79 39/64 in x 14 39/64 in x 45/64 in (2030 mm x 373 mm x 17.8 mm)
Notes	48 cell (4 x 12) per panel, 2 x 220 watt

4-6 weeks lead time, smaller quantities may be in stock

## Features

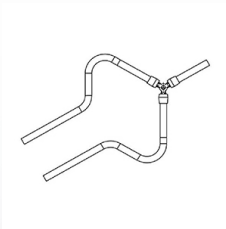
- 96 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance provide excellent energy yield
- Bypass diodes allow for maximum performance under shade conditions
- Weather resistant package, sealed junction box and protective back sheet provide a long life, reliable and durable package
- Modules are built and tested to UL standard 1703, IEC 61215 & IEC61730

## Suggested Applications





## Part No: 4099211



General Specifications: Solar Y Adapter Harness

## Part No: 4099212



General Specifications: Solar Spiral Cable Conduit

Length: 24 ft.

## Part No: 4499162



General Specifications: Solar Circuit Breaker

Length: 2 57/64" (73.4mm)

Width: 1 29/32" (48.42mm)

Height: 1 7/16" (36.6mm)

Amps: 30 A/h

Temperature Range: -25°F - 180°F (-32°C - 82°C)

## Part No: 4499163



General Specifications: Male Solar Connector

Voltage: 1100V

Amps: 27 A/h - 40 A/h

Temperature Range: -40°F - 185°F (-40°C - 85°C)

## Part No: 4499164

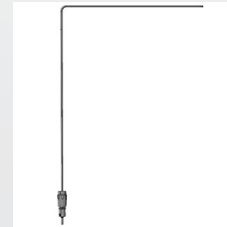


General Specifications: Female Solar Connector

Voltage: 1100V

Temperature Range: -40°F - 185°F (-40°C - 85°C)

## Part No: 4499165



General Specifications: Solar 20 ft 10 AWG XLPE PV positive wire

Notes:

## Part No: 4499166



General Specifications: Solar 20 ft 10 AWG XLPE PV negative wire



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### Warranty


• 5-year limited warranty





Solar Energy System Service Parts

Part No: 4499158



General Specifications: Solar Remote Display for CC 3024i

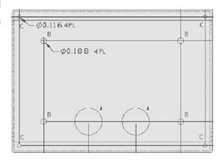
Part No: 4499160



General Specifications: BLUE SKY Solar Charge Control SC30

Voltage: 12V

Part No: 4499161




General Specifications: BLUE SKY Solar SC30 Control Housing

Length: 6 11/32" (161.3mm)

Width: 2 3/4" (69.9mm)

Amps: 30 A/h

Part No: 4499168



General Specifications: BLUE SKY Solar Charge Control 3024i


Voltage: 24V

Length: 6 39/64" (167.7mm)

Width: 3 3/8" (85.9mm)

Height: 6 55/64" (174.2mm)

Part No: 4499170



General Specifications: BLUE SKY Solar Charge Control 3024i

Voltage: 12V

Length: 6 39/64" (167.7mm)

Width: 3 3/8" (85.9mm)

Height: 6 55/64" (174.2mm)



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## System Warranty Information

Please refer to the Bergstrom warranty page (<https://warranty.bergstrominc.com/>) for complete warranty details and to submit a claim.



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### Bergstrom Warranty

Welcome to the Bergstrom Warranty website

#### Account Registration

To submit a warranty claim for your product you must first have an account for your location. Click the link below to fill out the registration form.

[Registration](#)

#### Submit Warranty Claim

Account Number	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Continue"/>	
Login problems? <a href="#">Email Support</a>	

#### Product Warranty Registration

[Bus Aftermarket A/C System Warranty Registration Form](#)

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## Warranty Information Breakdown

Bergstrom stands by our systems and provides a competitive warranty. Warranties vary depending on the product line.

### NITE® Units

2-year warranty with the option to buy an extended warranty,  
<https://us.bergstrominc.com/nite-warranty/>

### Bergstrom Standard Products (BSP)

1-year warranty,

### Bergstrom Electrified Systems (BES)

1-year warranty

### Bergstrom School Bus Systems (Cool Zone™)

3-year warranty

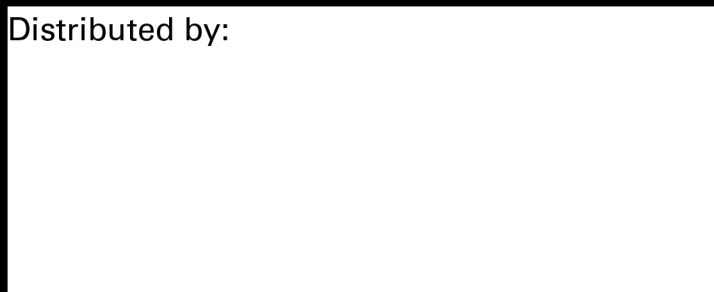
### Bergstrom Solar Systems

5-year warranty

**Innovating climate solutions  
for the people who move our world.**



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