

# **BERGSTROM**

## **ALL CLIMATE CONTROL SYSTEMS REFERENCE GUIDE**

**Including:**

**NITE® Systems**

**Bus Cool Zone Systems**

**Bergstrom Aftermarket Systems**

**Bergstrom Electrified Systems**

**Bergstrom Solar Energy Systems**



**WE CAN FIT A/C INTO...**



**ANYTHING.**

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## Suggested 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)



Street Sweepers



SUV 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



Swat Vehicles



UTV (Electrical Vehicles)

# Aftermarket 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 reference guide and not identified as a suggested application may be the optimal solution.

System	Power																										
<b>No-Idle Systems</b>																											
Nite® Phoenix	12V: 7,500 BTU/hr (2,2 kW)								X								X						X				
Nite® SSI	12V: 7,500 BTU/hr (2,2 kW)								X								X						X				
eCoolPark 1.0	12V: 6,980 BTU/hr (2 kW)		X	X	X	X			X																		
eCoolPark 1.5	12V: 6,980 BTU/hr (2 kW)		X	X	X	X			X																		
<b>Battery-Operated Systems</b>																											
Integral Power Manual	12V: 5,635 BTU/hr (1,65 kW) 24V: 9,4269 BTU/hr (2,76 kW)	X						X						X	X				X	X							
<b>Rooftop</b>																											
HD-1000 AC	12V / 24V: 25,932 BTU/hr (7,6 kW)	X	X			X	X			X			X	X				X	X								
HD-1000 HVAC	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	X								
KA-300	12V / 24V: 18,900 BTU/hr (5,5 kW)	X					X	X	X	X	X			X			X										
<b>Headliner</b>																											
Dash Mount AC	12V / 24V: 20,473 BTU/hr (6kW)							X			X	X	X												X		
KA-400 SlimLine	12V / 24V: 21,838 BTU/hr (6,4 kW)	X					X	X					X	X										X	X	X	
KK-400 SlimLine	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	X	X	
KA-500 HardHat	12V / 24V: 29,345 BTU/hr (8,6 kW)	X				X	X						X						X	X							
KA-7100	12V: 49,500 BTU/hr (14,5 kW)	X	X		X	X											X					X	X				
KA-7300	12V: 75,408 BTU/hr (22,1 kW)	X	X		X	X											X					X	X				
Kelvin AC	12V / 24V: 20,810 BTU/hr (6,1 kW)	X	X	X	X		X	X		X	X	X		X	X	X	X	X	X	X	X			X	X	X	
Kelvin HVAC	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		X	X	X		X	X	X	X	X	X	X	X			X	X	X	
Pascal AC	12V / 24V: 13,650 BTU/hr (4,0 kW)	X	X				X	X					X	X					X					X			
<b>Backwall</b>																											
KK-315	12V: 24,000 BTU.hr (10kW)	X	X				X	X					X											X			
KA-550	24V: 19,449 BTU/hr (5,7 kW)	X	X			X	X	X					X	X										X			
KK-550	Cold 12V / 24V: 19,449 BTU/hr (9,8 kW) Hot 12V / 24V: 33,500 BTU/hr (9,8 kW)	X	X			X	X	X					X	X										X			
KK-600 BackPack	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	X			X	X			X	X	X	X	X			X	X	X	
KA-710 SideKick	12V / 24V: 24,500 BTU/hr (7,2 kW)	X	X		X	X	X	X	X	X			X	X			X	X	X	X	X			X	X	X	
<b>Condensers</b>																											
2-Fan Condenser Kit	12V: 17,061 BTU/hr (5kW)	X						X	X				X						X								
KC-270	12V: 32,000 BTU/hr (9,4 kW)																										
KC-440	12V: 54,935 BTU/hr (16,1 kW)	X	X		X	X		X	X	X	X		X	X			X	X	X	X					X		
KC-500	12V / 24V: 30,000 BTU/hr (8,8 kW)	X	X		X	X	X	X	X	X			X	X			X	X	X	X							
KC-750	12V / 24V: 32,075 BTU/hr (9,4 kW)	X	X		X	X	X						X	X					X					X			

System	Power																									
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### Heater Systems

KH-150	12V: 13,000 BTU/hr (3,8 kW)							X						X					X					X			
KH-200	12V / 24V: 18,360 BTU/hr (5,4 kW)							X	X					X					X								
KH-290	12V: 22,348 BTU/hr (6,55 kW)							X						X					X								
KH-295	12V: 43,085 BTU/hr (12,6 kW)							X	X					X					X		X						
KH-300	12V / 24V: 30,027 BTU/hr (8,8 kW)							X	X					X					X		X						
Pascal Heater	12V / 24V: 25,590 BTU/hr (8,0 kW)	X	X					X	X					X					X					X			
KH-900	12V / 24V: 30,000 BTU/hr (8,8 kW)							X	X					X					X		X						
KH-1000 Pressurizer Blower	24V																										

### Bergstrom Electrified Systems (BES)

FFR6 HVAC System							X												X								
FVF120 Pressurizer							X												X								
FVV150 Pressurizer							X												X								
FVV60 Pressurizer							X												X								
FVV150 Pressurizer							X												X								
FVW100 Pressurizer							X												X								
MPV5 HVAC System	Cold : 18,000 BTU/hr (5,3 kW) Hot: 34,000 BTU/h (10,0 kW)						X												X								
MPV9 HVAC System	Cold: 30,369 BTU/hr (8,9 kW) Hot: 40,946 BTU/hr (12,0 kW)						X												X								
TBV6 Hydraulic Compressor							X												X								
TCR6 Condenser Package	For use up to 22,000 BTU/hr (6,4 kW)						X												X								
TDR5 HVAC System	Cold 24V: 17,744 BTU/hr (5,2 kW) Hot 24V: 34,122 BTU/hr (10,0 kW)						X												X								
TPR6 AC System	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	Cold 24V: 18,000 BTU/hr (5,3 kW) Hot 24V: 40,000 BTU/hr (11,7 kW)						X	X											X								



# eProduct Systems

<b>NITE<sup>®</sup> Phoenix</b>	<b>8</b>
<b>NITE<sup>®</sup> SSI</b>	<b>10</b>
<b>eCoolPark 1.0</b>	<b>12</b>
<b>Battery Boxes</b>	<b>14</b>
<b>Heater Options</b>	<b>15</b>
<b>NITE Service Parts</b>	<b>16</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 eProduct Systems have a 2-year warranty, with option to buy an extended warranty.

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



### Features

- Electrified AC 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



### Suggested Applications



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

### Technical Specifications

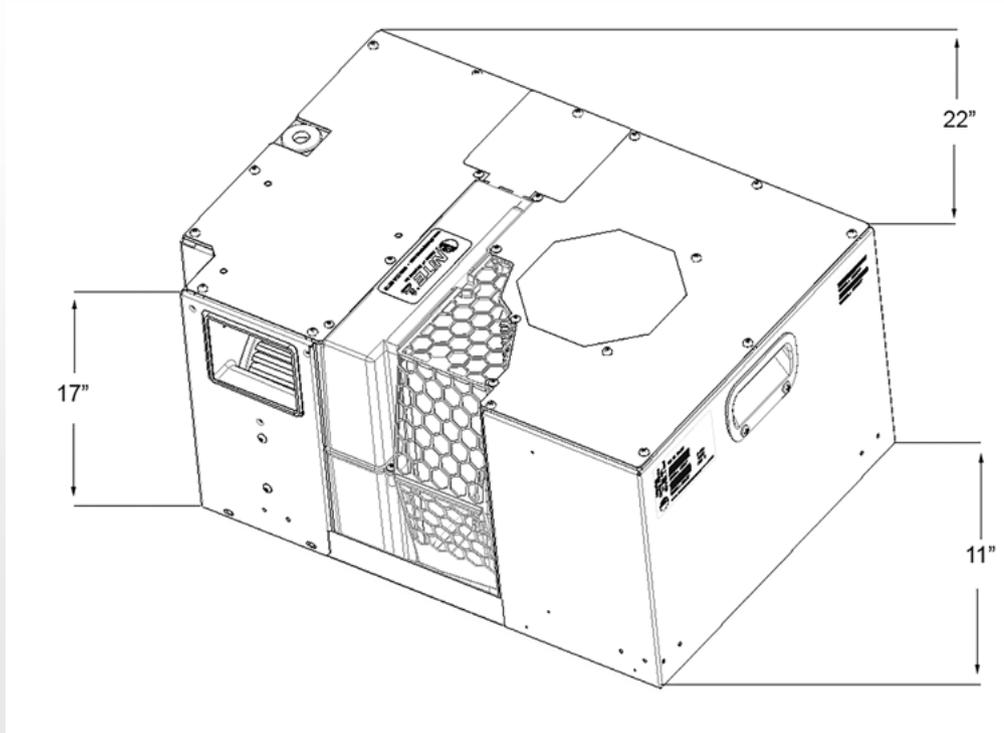
Model	NITE Phoenix 12V
Voltage	12V
Capacity	7,500 BTU/hr (2,2 kW)
Amps	25 A/h - 65 Ah
Maximum air flow	280 SCFM (425 m <sup>3</sup> /hr)
Dimensions (W x H x D)	22in x 17in x 11in (559mm x 432mm x 280mm)
Weight*	60 lb (27,2 kg)
Mounting Position	Under Bunk

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

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

*Minimum alternator required: 12V = 185-200 A/h recommended*  
*Minimum battery required: 4 Group 31 AGM 100 A/h deep cycle batteries*

## Line Drawing



## Advantages

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

eProduct Systems



## NITE® Phoenix Order Guide

Part*	Part Number	Notes
Unit Part Number	<b>1001330451</b> <b>1001826308</b> <b>1001330466</b>	AC Only HVAC Sealed System Combo with Espar Heater
Installation Kit	Contact your Regional Sales Manager to help choose the right install kit for your vehicle.	

## NITE® Phoenix Service Parts Guide

Part*	Part Number	Notes
Evaporator Blower Service Kit Assembly	<b>1001016645</b>	12V
Temperature Sensor Kit	<b>1000234569</b>	12V
Filter (259 x 215 x 127)	<b>1000183201</b>	12V
Relay with Resistor	<b>1000611575</b>	12V

\* For th NITE service parts lists, please visit/. 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 AC 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*

## Technical Specifications

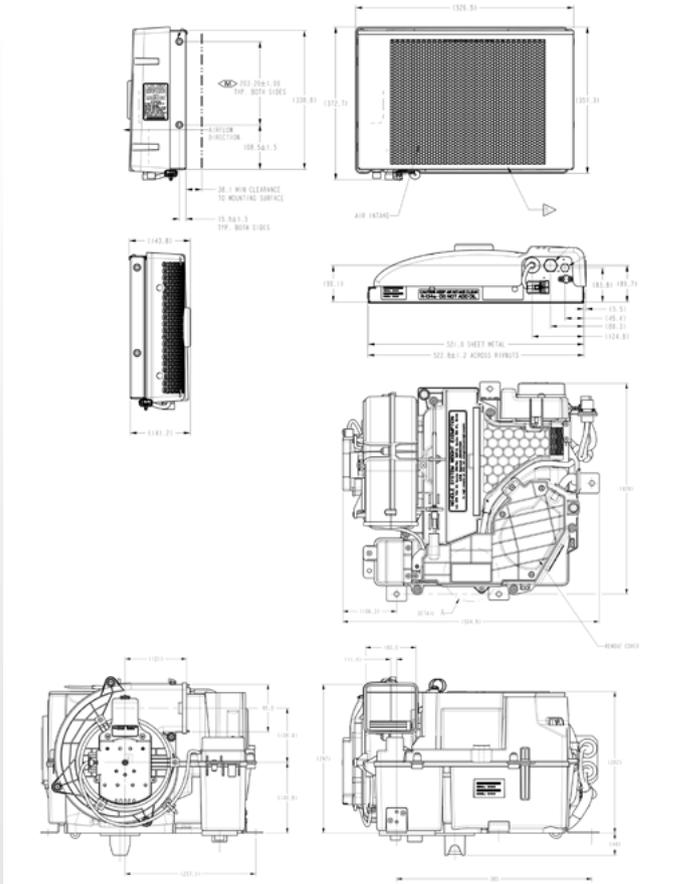
Model	NITE Phoenix 12V
Voltage	12V
Capacity	7,500 BTU/hr (2,2 kW)
Amps	25 A/h - 65 Ah
Maximum air flow	280 SCFM (425 m <sup>3</sup> /hr)
Dimensions Evaporator (W x H x D)	19.9in x 17.1in x 12.3in (505mm x 434mm x 312mm)
Dimensions Condenser (W x H x D)	20.7in x 5.7in x 14.1in (527mm x 144mm x 357mm)
Weight*	60 lb (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.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

**Minimum alternator required: 12V = 185-200 A/h recommended**  
**Minimum battery required: 4 Group 31 AGM 100 A/h deep cycle batteries**

### Line Drawing



### Advantages

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

eProduct Systems



LCD Display

### NITE® Phoenix SSI Order Guide

Part*	Part Number	Notes
Unit Part Number	<b>1001447917</b> <b>1001443378</b>	AC Only Combo with Espar Heater
Installation Kit	Contact your Regional Sales Manager to help choose the right install kit for your vehicle.	

### NITE® Phoenix SSI Service Parts Guide

Part*	Part Number	Notes
NITE SSI Condenser Unit	<b>1002893213</b>	12V
Evaporator Blower Service Kit Assembly	<b>1001016645</b>	12V
Temperature Sensor Kit	<b>1000234569</b>	12V
Filter (259 x 215 x 127)	<b>1000183201</b>	12V
Relay with Resistor	<b>1000611575</b>	12V
NITE SSI Internal Evaporator Assembly	<b>1002236489</b>	12V

\* For thvce parts lists, please visit/. 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

- Reduce fuel consumption
- Lowers engine maintenance costs
- Improved occupant safety
- Provides operator comfort
- Complies with all federal, state and local idle and noise restrictions
- Supports environmental sustainability efforts through reduction of vehicle emissions
- Designed, engineered and manufactured in the U.S.
- Compressor, fan, condenser and electronics in one compact package

## Suggested Applications



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

## Technical Specifications

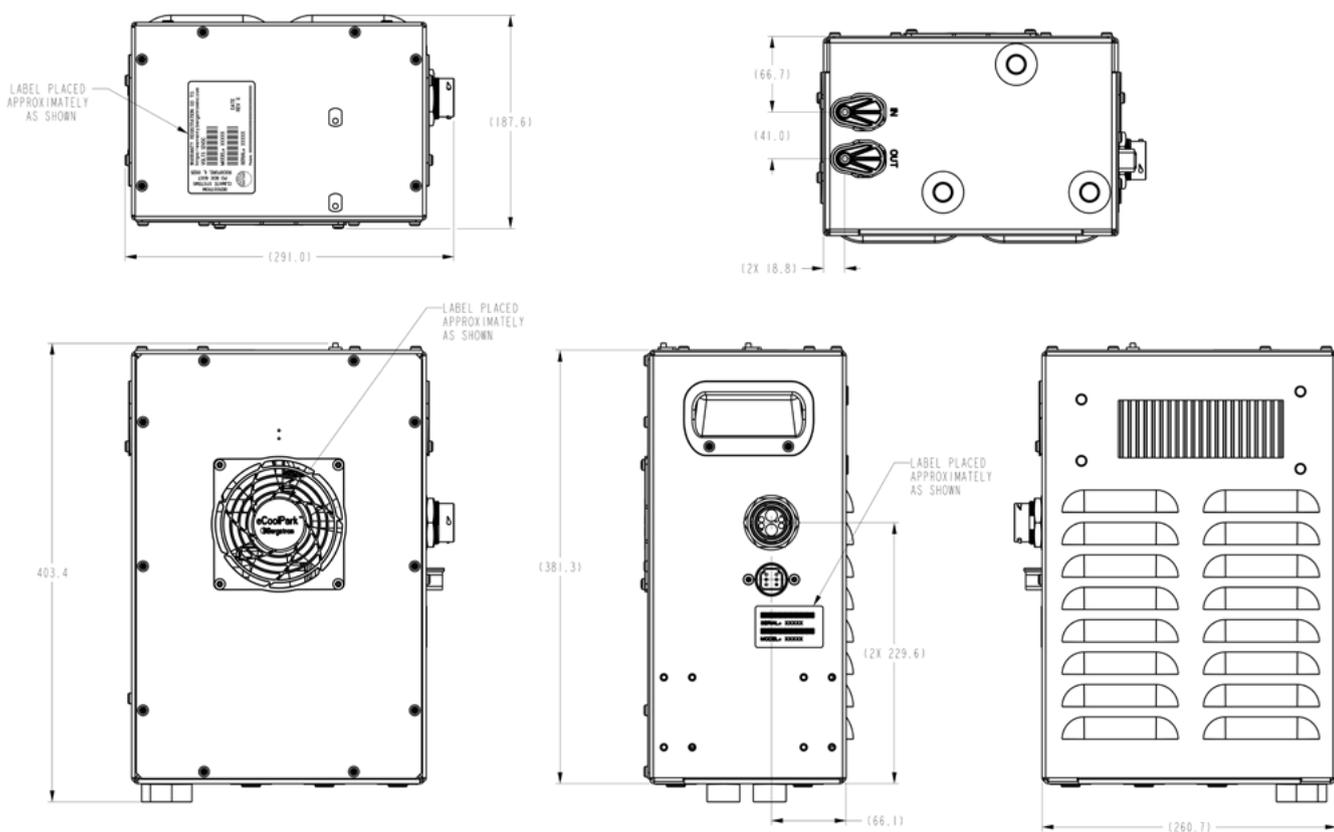
Model	eCoolPark 1.0 12V
Voltage	12V
Capacity	6,980 BTU/hr (2 kW)
Amps	12.7 A/h
Maximum air flow	280 SCFM (425 m <sup>3</sup> /hr)
Dimensions (W x H x D)	11.46in x 15.88in x 7.38in (291mm x 403mm x 188mm)
Weight*	42 lb (19,1 kg)
Mounting Position	Inside Vehicle

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

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

*Minimum alternator required: 12V = 185-200 A/h recommended  
Minimum battery required: 4 Group 31 AGM 100 A/h deep cycle batteries*

### Line Drawing



eProduct Systems

### eCoolPark™ 1.0 Order Guide

Part*	Part Number	Notes
Unit Part Number	<b>1002416180</b>	AC Only
Installation Kit	<b>1002631356</b>	Universal
Vehicle Installation Kit	Contact your Regional Sales Manager to help choose the right install kit for your vehicle.	



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#### Warranty

- 2-year limited warranty on parts and systems



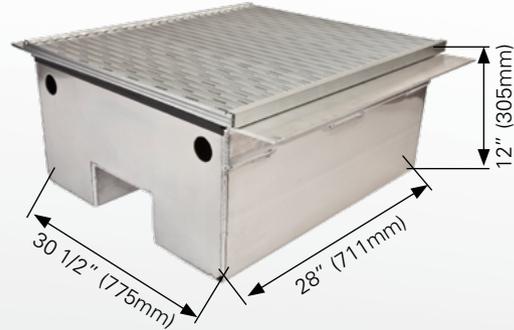
## Aluminum or steel we've got you covered. The perfect storage for your NITE auxiliary batteries

### Aluminum 4 Battery Between Rail Battery Box

30 1/2"w x 12"h x 28"l / 775mm x 305mm x 711mm

50 lb (22.7 kg)

Part Number **1000270409**

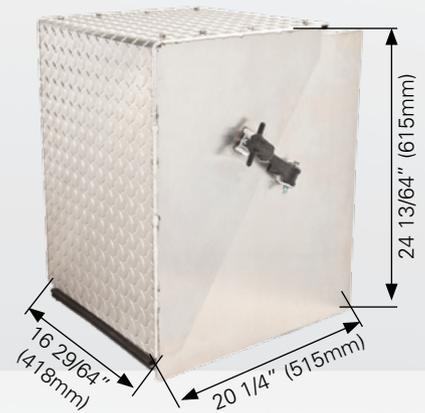


### Aluminum 4 Battery Vertical Clamp On Battery Box

16 29/64"w x 24 13/64"h x 20 1/4"d / 418mm x 615mm x 515mm

48 lb (21.8 kg)

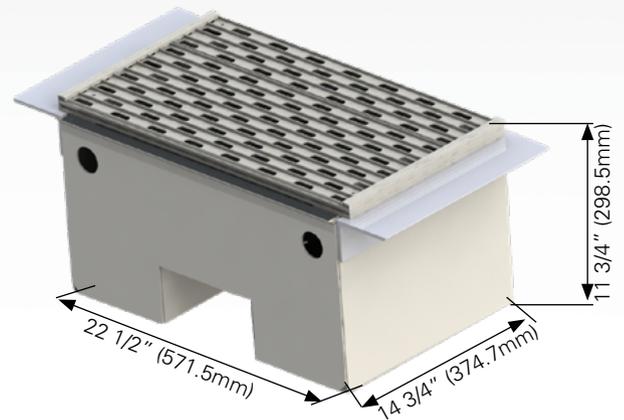
Part Number **1000163931**



### Two Aluminum Half Pack Battery Between Rail Battery Box

22 1/2"w x 11 3/4"h x 14 3/4"d / 571.5mm x 298.5mm x 374.7mm

Part Number **1001756154**



## Espar Heater Options

You just want to heat the vehicle interior and it has to be fast? Then an Eberspächer Airtronic air heater is the perfect solution for you. Your vehicle will reach the desired temperature in the shortest possible time: interior air is drawn in, heated and then blown back into the interior. As the heating is exceptionally economical, long operating times are not a problem, and you can precisely control the temperature yourself – how warm it should be during the day and night.

### THE AIRTRONIC ADVANTAGES:

- **Fast interior air heating with high performance power setting for especially short heating times.**
- **Stops condensation from forming on the windscreen.**
- **Automatic continuous interior temperature control with temperature pre-selection.**
- **With the lowest setting on the market (850 – 900 W), it is extremely quiet.**
- **Quiet night operation.**
- **Low fuel and electricity consumption – ideal when long periods of use are required.**
- **Compact devices that save space and are easy to install.**

### Espar Heater Kit, 12V

4 1/2" w x 4 13/16" h x 12 3/16" l / 114.3mm x 121.9mm x 309.9mm

6 lb (2.7 kg)

Part Number **1002823344**



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#### Warranty

- 2-year limited warranty on parts and systems



**Part No: 500198**



Air Return Grille

**Part No: 514100**



Flat Washer, No 10-M5

**Part No: 520152**



Blower Gasket, R.H.

**Part No: 520154**



Blower Gasket, Top

**Part No: 520155**



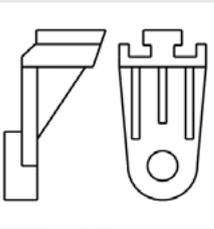
Blower Bottom Gasket

**Part No: 520832**



Split Grommet (must order in increments of 25)

**Part No: 530159**



Mount Fan Spal Bracket

**Part No: 531019**



Duct Collar

**Part No: 559506**



O-Ring (must order in increments of 25)

**Part No: 589790**



Plate Control

**Part No: 591530**



Valve Spool

**Part No: 600115**



No 10 Truss Head Screw, 8-15X.280

**Part No: 600187**



Plastite No8-16 C .75 In Torx

**Part No: 620280**



Switch Jam Nut, 7/16-28 (must order in increments of 10)

**Part No: 630001**



Motor Mounting Clamp, Wire



**Part No: 630049**



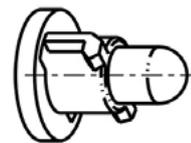
Knob-To-Shaft Fastener (must order in increments of 10)

**Part No: 630051**



Rod Retainer Clip

**Part No: 650656**



Light Bulb (must order in increments of 5)

**Part No: 651225**



Maxi 50 Amp Fuse

**Part No: 651383**



Battery Separator NITE 12V 200Amp

**Part No: 652542**



Plug In Diode

**Part No: 660757**



Wire Harness

**Part No: 868649**



Blower Housing Assembly

**Part No: 870118-S**



Blower Mounting Weldment

**Part No: 870331-S**



Heater Mounting Collar

**Part No: 100007617**



NITE Stealth Duct

**Part No: 100007618**



NITE Blower Scroll Shroud

**Part No: 100049325**



NITE Electrical Enclosure

**Part No: 100063838**



NITE Blower Motor with Scroll Assembly

**Part No: 1000149435**



NITE P3 Duct Gasket (3 x 10 x 300)



**Part No: 1000168452**



NITE Wire Harness

**Part No: 1000168631**



NITE system Duct Collar

**Part No: 1000174251**



NITE Mega 100 Amp Yellow Fuse

**Part No: 1000174286**



NITE Mega Bolt-On Fuse holder

**Part No: 1000184211**



NITE Phoenix Upper Duct

**Part No: 1000185196**



NITE Side Collar

**Part No: 1000186017**



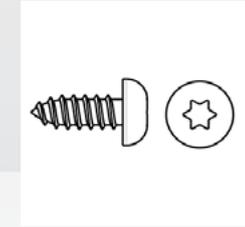
NITE Assembly Duct

**Part No: 1000213522**



NITE HVAC Control Kit

**Part No: 1000214538**



Self Tapping Screw, #10 X 1/2

**Part No: 1000224619**



Gasket Strip

**Part No: 1000230085**



Fuse, 5A Ato

**Part No: 1000230326**



Harness, Jumper

**Part No: 1000230792**



NITE Phoenix Standard Installation Kit

**Part No: 1000235371**



Wire Loom .413 Id X 140 Ft

**Part No: 1000236036**



Wire Loom, .413 Id X 70 Ft



**Part No: 1000236697**



NITE Phoenix Kenworth T700/2000 Installation Kit

**Part No: 1000236701**



NITE Phoenix Installation Kit for Kenworth T680/T880

**Part No: 1000236731**



NITE Phoenix Installation Kit for Volvo

**Part No: 1000236773**



NITE Phoenix Freightliner P2 Installation Kit

**Part No: 1000236777**



NITE Phoenix Installation Kit for International ProStar/  
Lonestar

**Part No: 1000255856**



Trojan Battery, 12V Agm 31

**Part No: 1000259751**



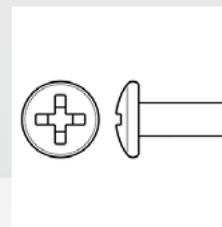
Trojan Battery 4-Pack

**Part No: 1000285448**



NITE Phoenix Western Star Installation Kit

**Part No: 1000302018**



Hi Corrosion Screw, 10-32X1/2

**Part No: 1000345678**



Pressure Switch Jumper Harness

**Part No: 1000390653**



Power Relay

**Part No: 1000439603**



Door Gravity Kit

**Part No: 1000555333**



Water Valve Service Tool, (must order in increments of 25)

**Part No: 1000564554**



Elbow Duct, 4 Inch

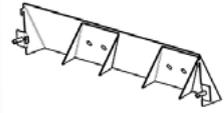
**Part No: 1000571136**



Compressor Control Service Kit



**Part No: 1000623977**



Air Deflector Kit

**Part No: 1000631209**



Stepper Tonex Actuator

**Part No: 1000641929**



Relay, 150A 12V

**Part No: 1000830137**



Air Filter, Framed Air

**Part No: 1000913789**



NITE SSI External Condenser Cover

**Part No: 1000947181**



P3 Split Control Kit

**Part No: 1000948088**



5-Way Male Connector

**Part No: 1000948225**



P3 Split Control Service Oil Kit

**Part No: 1001029579**



Service NITE Phnx Control Kit

**Part No: 1001181161**



F/A Assembly Screen

**Part No: 1001240076-S**



NITE SSI Condenser Mounting Bracket

**Part No: 1001275398**



NITE SSI International 9000i Installation Kit

**Part No: 1001275456**



NITE SSI Freightliner Installation Kit

**Part No: 1001275466**



NITE SSI Volvo VN/W Installation Kit

**Part No: 1001276271**



NITE SSI Kenworth T700/ T2000 and Western Star Installation Kit



**Part No: 1001276274**



NITE SSI Standard Installation Kit

**Part No: 1001276276**



NITE SSI Freightliner P2 Installation Kit

**Part No: 1001330470**



NITE Phoenix Silent Kit

**Part No: 1001443393**



Display Controller with TER Resistor

**Part No: 1001443575**



Display Controller without TER Resistor

**Part No: 1001592577**



NITE Service Control

**Part No: 1001697266**



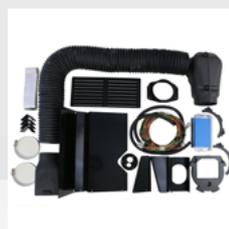
NITE Phoenix Retro Kit

**Part No: 1001819763**



Valeo Horizontal No. 8 - No. 10 O-Ring Cylinder Head

**Part No: 1002186970**



NITE Phoenix Installation Kit for Mack Anthem

**Part No: 1002187206**



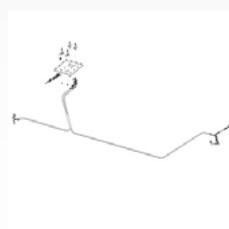
NITE SSI Installation Kit for Mack Anthem

**Part No: 1002364849**



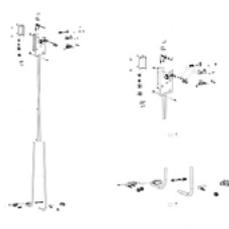
eCoolPark 1.5 AC Install Kit, Freightliner M2

**Part No: 1002379748**



eCoolPark 1.0 AC Install Kit, Chevy Tahoe & GMC Yukon

**Part No: 1002386000**



eCoolPark 1.0 AC Install Kit, Ford Explorer & Interceptor

**Part No: 1002493328**



NITE Battery Monitor System

**Part No: 1002493430**



NITE Battery Monitor System, DTNA



**Part No: 1002493457-S**



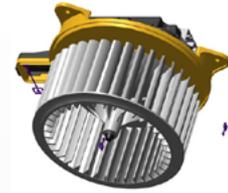
NITE SSI Battery Management System

**Part No: 1002631357**



eCoolPark 1.5 Universal Kit

**Part No: 1002646551**



NITE DTNA Blower Assembly

**Part No: B200115**



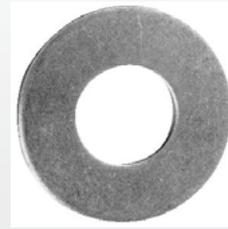
Pan Head Tap Polys Screw, No. 6 X 375 (must order in increments of 25)

**Part No: B200307**



Slot Hex Washer Hd Screw, No. 10 X .50 (must order in increments of 25)

**Part No: B202208**



Flat Sae Std Steel Washer, 1/4 (must order in increments of 25)

**Part No: B223109**



Fuse Holder

**Part No: B290012**



Pushnut Pal 3/16 (must order in increments of 10)

**Part No: B290215**



Clip U (must order in increments of 5)

**Part No: B300571**



Edging Bulk

**Part No: B342550**



1 in Arrow Tape

**Part No: B351900**



Spg Rubber, Ps .75 X 1.0 X Bulk

**Part No: B352700**



Ure P.S. .25 X .50 X Bulk Chrt

**Part No: B354011**



Shim Motor Vented

**Part No: B360274**



Speed Fastener (must order in increments of 10)



**Part No: B360692**



Hose Adaptor Grommet-No. 6 And No. 10 (must order in increments of 10)

**Part No: F45-1001**



Louver Bezel

**Part No: F45-1002**



AC Louver





# Battery-Operated Rooftop Systems

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 Aftermarket systems have a 1-year warranty.

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## Features

- Electrical AC 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
Capacity*	5,635 BTU/hr (1,65 kW)	5,635 BTU/hr (1,65 kW)
Amps**	61 A/h	61 A/h
Maximum air flow	182 SCFM (310 m <sup>3</sup> /hr)	182 SCFM (310 m <sup>3</sup> /hr)
Dimensions (L x W x H)	26.14in x 30.12in x 8.54in (664mm x 765mm x 217mm)	26.14in x 30.12in x 8.54in (664mm x 765mm x 217mm)
Weight	95.9 lb (43,5 kg)	95.9 lb (43,5 kg)
Mounting Position	Roof	Roof

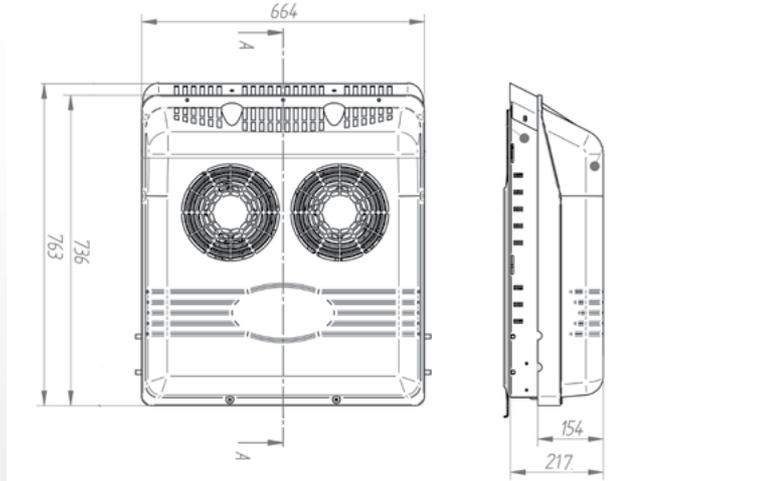
(\*) System output (BTU/hr) is based on system component-calculated capacities in accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

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

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

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

Line Drawing



A/C Switch Fan Switch

Battery-Operated Rooftop

Integral Power Manual Order Guide

Part	Part Number	Notes
Unit Part Number*	1000561932	24V ATC
	1002966740	12V Manual AC Kit
	1002976941	24V Manual AC Kit

\*Install kit included with the system.



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Warranty

- 1-year limited warranty





# Engine-Driven Rooftop Systems

HD-1000 AC	28
HD-1000 HVAC	30
KA-300	32

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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System comes with chrome hardware kit. A black hardware kit is also available.

### 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



### Suggested Applications

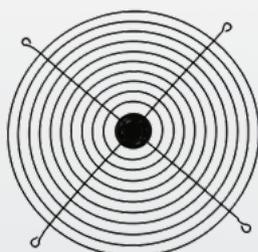
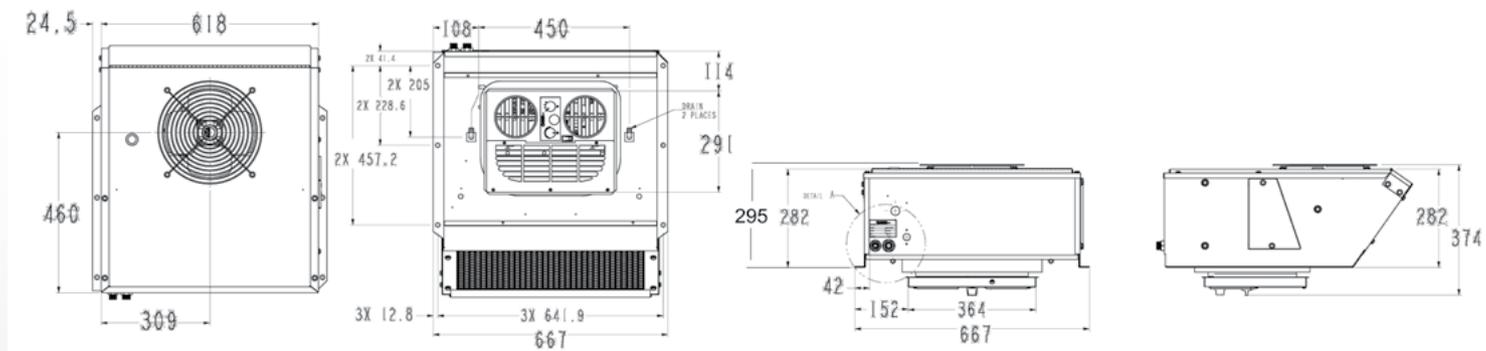


### Technical Specifications

Model	HD-1000 12V	HD-1000 24V
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr) Fan: 750 SCFM (1,275 m <sup>3</sup> /hr)	HVAC Blower: 315 SCFM (1,275 m <sup>3</sup> /hr) Fan: 750 SCFM (1,275 m <sup>3</sup> /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 lb (38,6 kg)	85.1 lb (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)

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### Line Drawing



1000335550



550341

Engine-Driven Rooftop

### HD-1000 System Order Guide

Part	Part Number	Notes
Unit Part Number*	1001203446 1001203447	12V 24V

\*Installation kit included with the system.

### HD-1000 Service Parts Guide

Part	Part Number	Notes
Blower Assembly	519703	12V
Resistor	1000303268 1000303297	12V 24V
Thermostat	B404028	12V / 24V
Expansion Valve	1001443791	12V / 24V
Air Filter Kit	B416998	24V
R-134a Hose Kits	B416964 B416965	18 ft. 24 ft.
Installation Wedge	1002971254	
Black Guard Fan	1000335550	Option to purchase black versus standard chrome
Crimper Kit	550341	<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



System comes with chrome hardware kit. A black hardware kit is also available.

### 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

### Air Distribution and Control Panel



### Suggested Applications

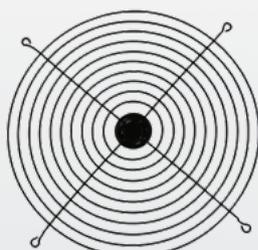
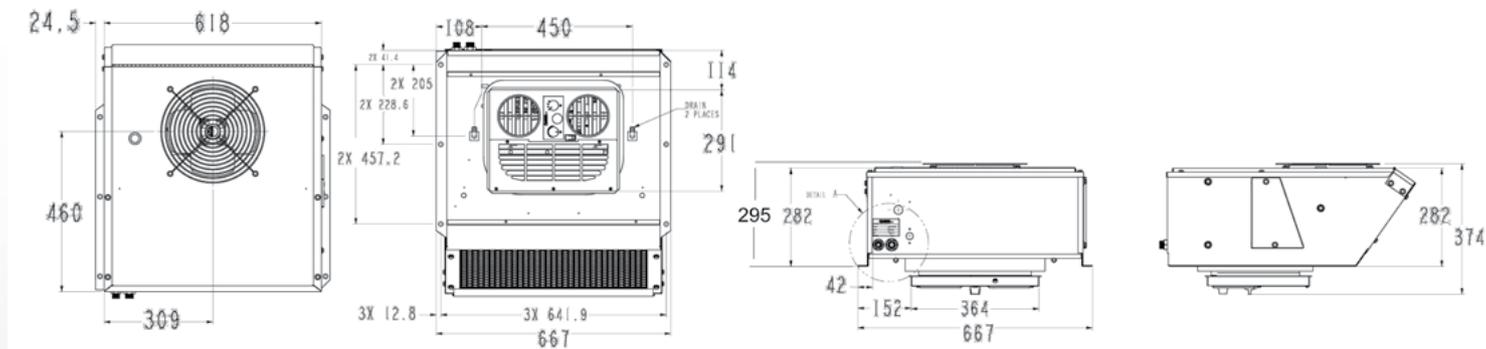


### Technical Specifications

Model	HD-1000 12V	HD-1000 24V
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr)	315 SCFM (535 m <sup>3</sup> /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 lb (40,0 kg)	88 lb (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)

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



1000335550



550341

Engine-Driven Rooftop

HD-1000 HVAC Order Guide

Part	Part Number	Notes
Unit Part Number*	1001203450	12V
	1001203451	24V

\*Installation kit included with the system.

HD-1000 HVAC Service Parts Guide

Part	Part Number	Notes
Blower Assembly	519703	12V
Resistor	1000303268	12V
	1000303297	24V
Condenser	B401080	12V / 24V
Thermostat	B404028	12V / 24V
Water Valve	B173089	12V / 24V
Expansion Valve	1001443791	12V / 24V
Receiver Drier	1001452040	12V / 24V
R-134a Hose Kits	B416964	18 ft.
	B416965	24 ft.
Installation Wedge	1002971254	
Black Guard Fan	1000335550	Option to purchase black versus standard chrome
Crimper Kit	550341	A crimper kit is required. Bergstrom offers a crimper kit for purchase, if needed.



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Warranty

• 1-year limited warranty



System comes with chrome hardware kit. A black hardware kit is also available.

## 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



## Suggested Applications

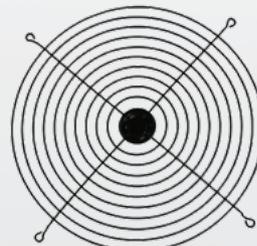
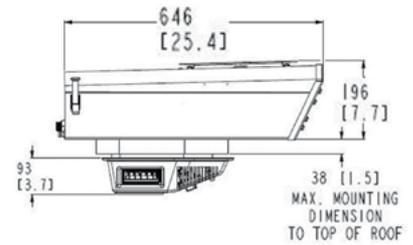
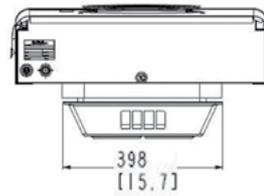
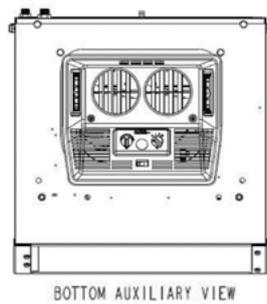
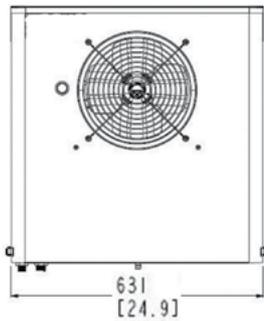


## Technical Specifications

Model	KA300-12	KA300-24
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr)	245 SCFM (416 m <sup>3</sup> /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 lb (33.6 kg)	74 lb (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)

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

## Line Drawing



1000335550

## KA300 Order Guide

Part	Part Number	Notes
Unit Part Number*	<b>1001203448</b>	12V
	<b>1001203449</b>	24V

\*Installation kit included with the system.

## KA300 Service Parts Guide

Part	Catalog / Part Number	Notes
Blower Motor	<b>1000304979</b>	24V
Resistor	<b>1000303297</b>	24V
Thermostat	<b>B404028</b>	24V
Evaporator	<b>B400074</b>	24V
Fan Switch	<b>B220743</b>	24V
Expansion Valve	<b>1001443791</b>	24V
Switch (High, Low)	<b>1000948101</b>	24V
Condenser	<b>B401102</b>	24V
R-134a Hose Kits	<b>B416964</b> <b>B416965</b>	18 ft. 24 ft.
Cover Assembly	<b>1000365536</b>	-
Black Guard Fan	<b>1000335550</b>	Option to purchase black versus standard chrome



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**Warranty**

- 1-year limited warranty



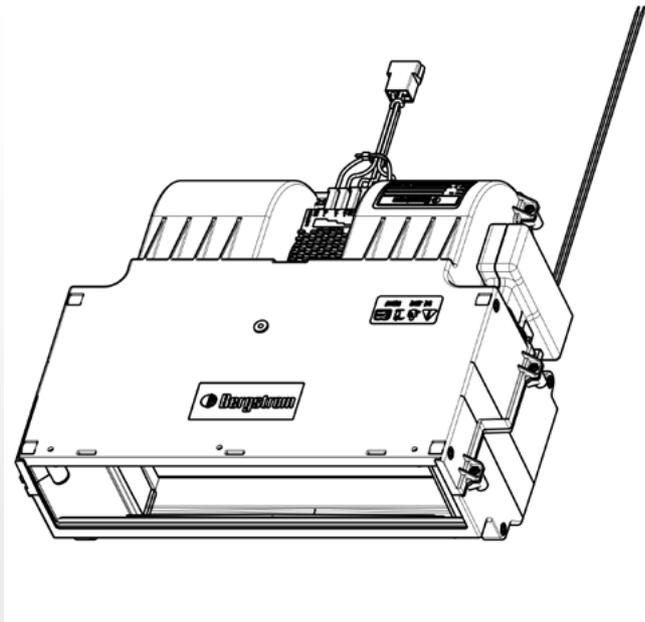
# Engine-Driven Headliner Systems

Dash Mount AC	36
KA-400 Slimline	38
KK-400 Slimline	40
KA-500 Hardhat	42
KA-7300	44
Kelvin AC	46
Kelvin HVAC	48
Pascal AC	50
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## Features

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

## Suggested Applications

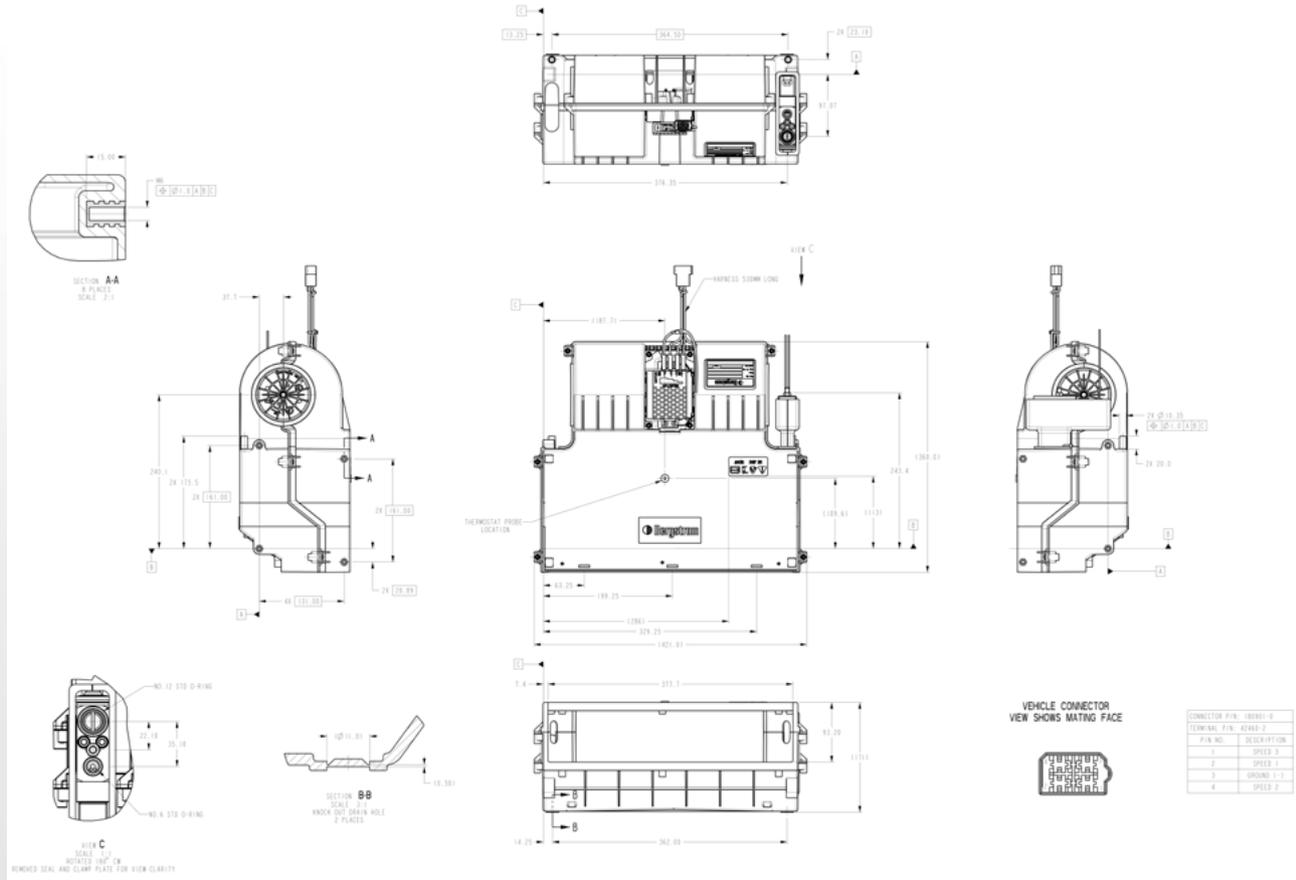


## Dash Mount Technical Specifications

Model	Dash Mount 12V
Voltage	12V
Capacity	20,473 BTU/hr (6 kW)
Amps	
Maximum air flow	
Dimensions (L x W x H)	16.5in x 14.82in x 6.5in (421mm x 360mm x 150mm)
Weight	
Mounting Position	Headliner

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Headliner

Dash Mount Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1001216611</b>	12V



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**Warranty**

- 1-year limited warranty



### Features

- Heavy-duty steel construction
- Low profile headliner mount AC
- 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**



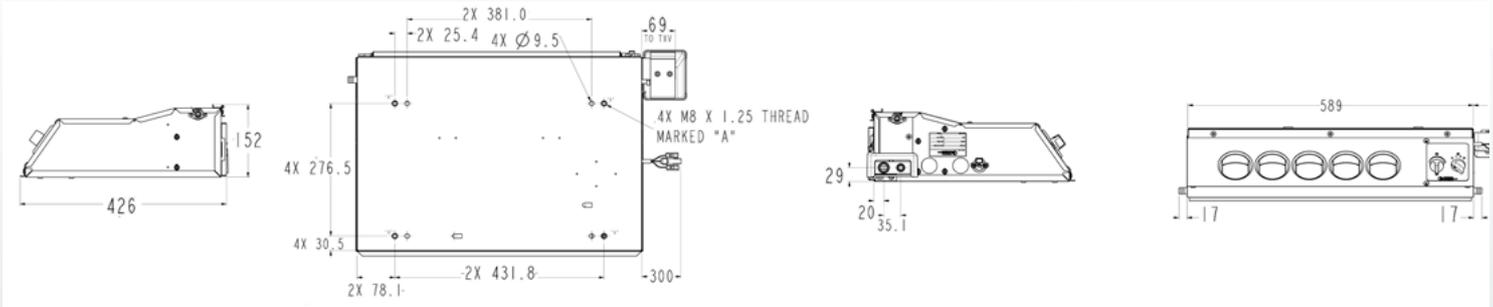
**KC-750**

### KA-400 Slimline Technical Specifications

Model	KA-400 12V
Voltage	12V
Capacity	21,838 BTU/hr (6,4 kW)
Amps	10 A/h
Maximum air flow	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)
Weight	26 lb (11,8 kg)
Mounting Position	Headliner

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing

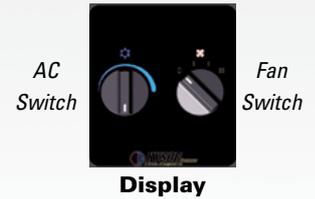


Engine-Driven Headliner

KA-400 Slimline Order Guide\*

Part	Part Number	Notes
Installation Kit (includes receiver drier and hoses)*	<b>B417261</b>	12V

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



KA-400 Slimline Service Parts Guide

Part	Part Number	Notes
Resistor	<b>1000303268</b>	12V
	<b>1000303297</b>	24V
Fan Switch	<b>650657</b>	12V
	<b>650657</b>	24V
Expansion Valve	<b>1001443791</b>	12V
	<b>1001443791</b>	24V
Thermostat	<b>B404075</b>	12V
	<b>B404075</b>	24V



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Warranty

- 1-year limited warranty



### Features

- Heavy-duty steel construction
- Low profile headliner mount AC
- 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**



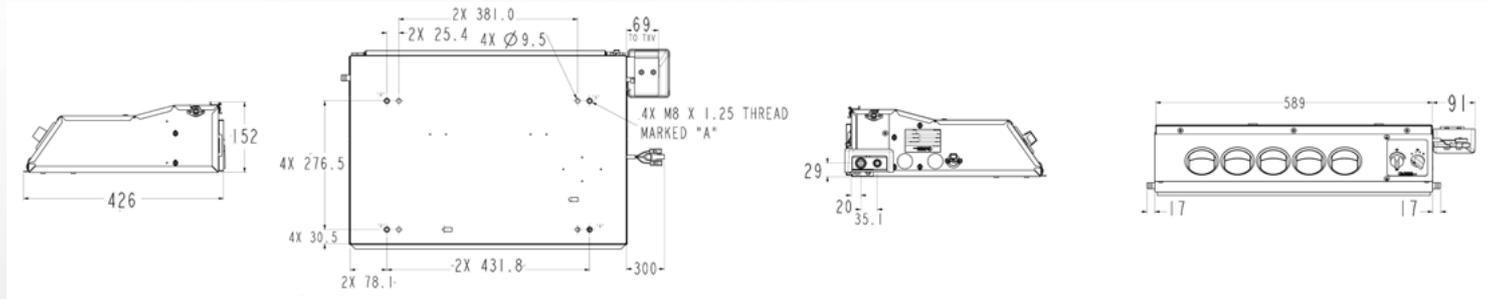
**KC-750**

### KK-400 Slimline Technical Specifications

	12V	24V
Voltage	12V	24V
Capacity	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 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	26 lb (11,8 kg)	26 lb (11,8 kg)
Mounting Position	Headliner	Headliner

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Headliner

KK-400 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	<b>1000258376</b>	24V
Installation Kit (includes receiver drier and hoses)*	<b>B417261</b> <b>B417261</b>	12V 24V

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

KK-400 Slimline Service Parts Guide

Part	Part Number	Notes
Resistor	<b>1000303268</b>	12V
	<b>1000303297</b>	24V
Fan Switch	<b>650657</b>	12V
	<b>650657</b>	24V
Expansion Valve	<b>1001443791</b>	12V
	<b>1001443791</b>	24V
Thermostat	<b>B404075</b>	12V
	<b>B404075</b>	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 Capacity connections

### Air Distribution and Control Panel



### Suggested Applications



### Recommended Condenser



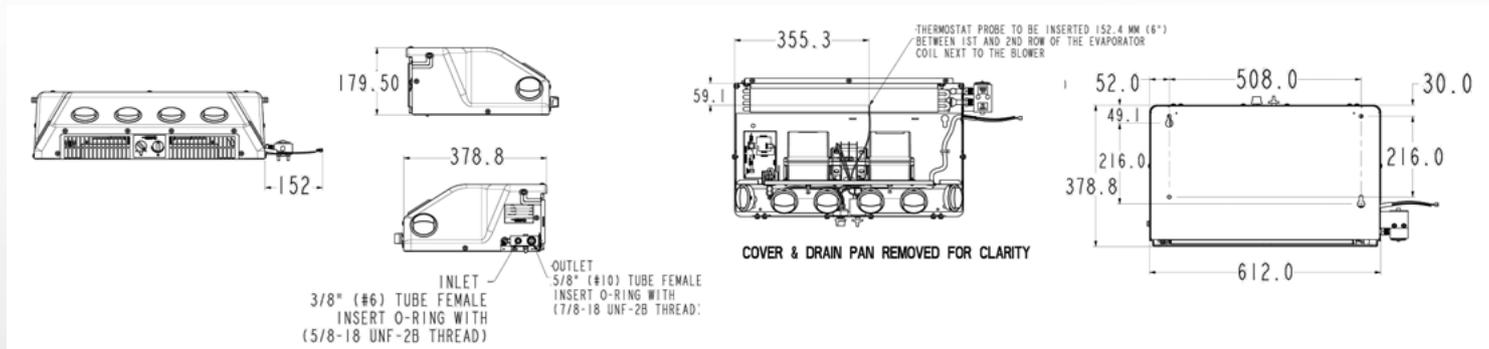
**KC-440**

### KA-500 Hardhat Technical Specifications

Model	KA-500 12V
Voltage	12V
Capacity	29,345 BTU/hr (8,6 kW)
Amps	13.3 A/h
Maximum air flow	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)
Weight	35.1 lb (15,9 kg)
Mounting Position	Headliner

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Headliner

KA-500 Hardhat Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1000298166</b>	12V

KA-500 Hardhat Service Parts Guide

Part	Part Number	Notes
Blower Motor	<b>519714</b>	12V
	<b>1000304979</b>	24V
Resistor	<b>1000303268</b>	12V
	<b>1000303297</b>	24V
Thermostat	<b>B404075</b>	12V
	<b>B404075</b>	24V
Evaporator	<b>1000299400</b>	12V
	<b>1000299400</b>	24V
Fan Switch	<b>650657</b>	12V
	<b>650657</b>	24V
Fresh Air Filter	<b>B407176</b>	12V
	<b>B407176</b>	24V
Expansion Valve	<b>1001443791</b>	12V
	<b>1001443791</b>	24V



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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 AC
- Recirculating air filter - easily accessible & washable

## Air Distribution and Control Panel



## Suggested Applications

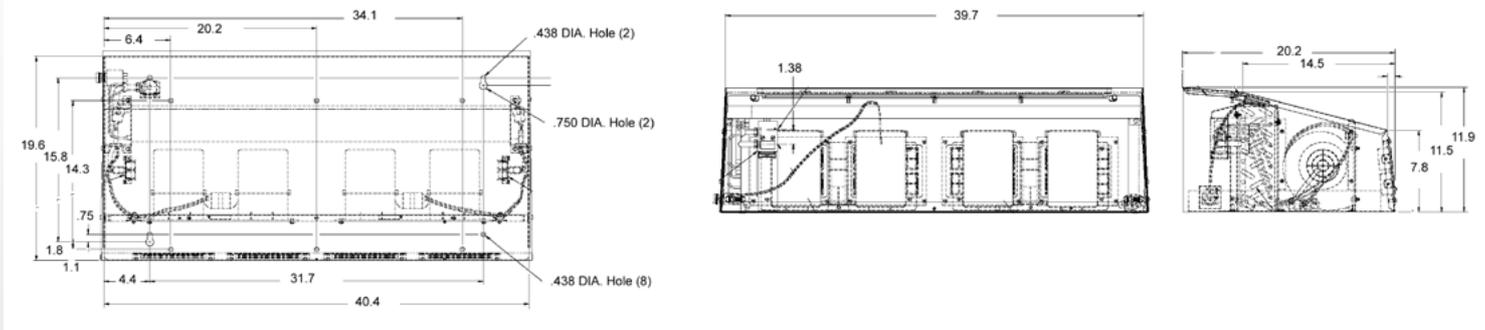


## KA-7300 Technical Specifications

Model	KA-7300 12V
Voltage	12V
Capacity	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 lb (30,8 kg)
Mounting Position	Headliner

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Headliner

KA-7300 Order Guide\*

Part	Part Number	Notes
Unit Part Number	<b>B938150</b>	12V

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



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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



*Spigot*



*Louver*

### Suggested Applications



### Recommended Condenser



**KC-750**

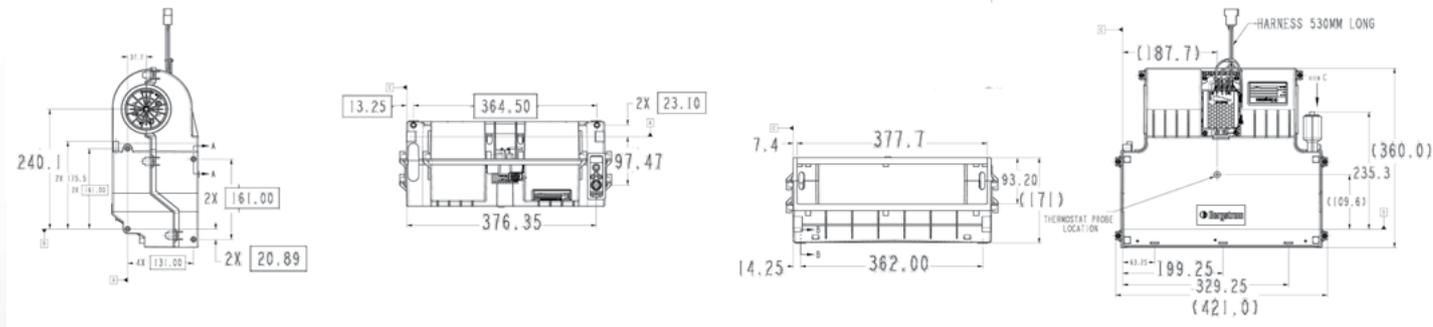
### Kelvin AC Technical Specifications

Model	Kelvin AC 12V
Voltage	12V
Capacity	20,810 BTU/hr (6,1 kW)
Amps	21.6 A/h
Maximum air flow	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)
Weight	14.3 lb (6,5 kg)
Mounting Position	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%.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



1001004175



1001004181



1001161239



1001015622



1001013646

Engine-Driven Headliner

Kelvin AC Order Guide\*

Part	Part Number	Notes
Unit Part Number	1000813037	12V
Harness	1001404667	4 meters of hose for 12V
	1001397464	8 meters of hose fvor 12V
Control Panel	1001157329	Vertical 12V
	1001165354	Horizontal 12V
Fascia Panel	1001004175	Four Spigot Outlets
	1001004181	Four Chrome and Black Louvers
	1001161239	Four Black and Black Louvers
Bracket	1001013646	Floor/Ceiling Mount
	1001015622	Wall/Bulkhead Mount
Condensate Kit	1000988616	Single Side
	1000988618	Double Side

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

Kelvin AC Service Parts Guide

Part	Part Number	Notes
Resistor	1000067312	12V
Actuator	1000593041	12V
Thermostat	1000541645	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
- Integrated heater core

### Air Distribution and Control Panel



Spigot



Louver



### Suggested Applications



### Recommended Condenser



KC-750

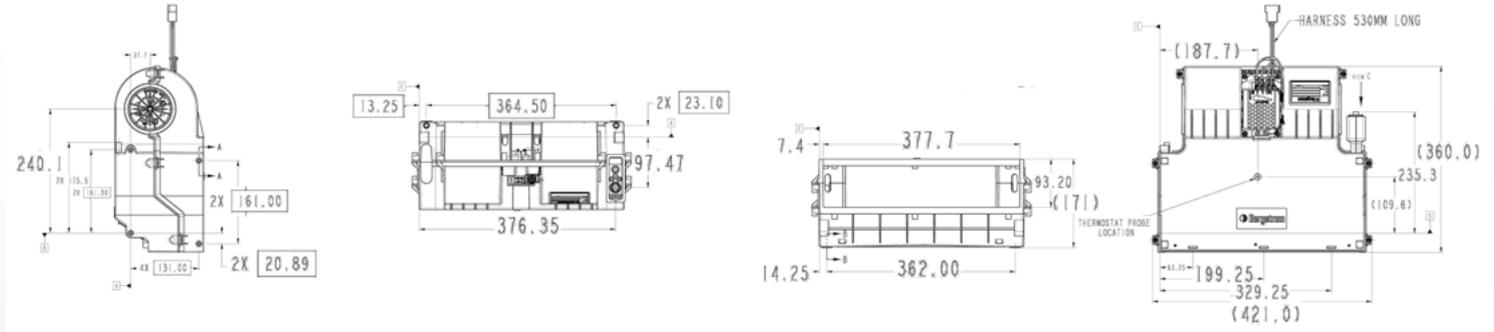
### Kelvin HVAC Technical Specifications

Model	Kelvin HVAC 12V	Kelvin HVAC 24V
Voltage	12V	24V
Capacity	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	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	13.9 lb (6.5 kg)	13.9 lb (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%.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



1001004175



1001004181



1001161239



1001015622



1001013646

Engine-Driven Headliner

Kelvin HVAC Order Guide\*

Part	Part Number	Notes
Unit Part Number	1000813036	12V
	1000813038	24V
Harness	1001381981	4 meters of hose for 12V
	1001404710	8 meters of hose for 24V
Control Panel	1001159300	Vertical
	1001327197	Horizontal
Fascia Panel	1001004175	Four Spigot Outlets
	1001004181	Four Chrome and Black Louvers
	1001161239	Four Black and Black Louvers
Bracket	1001013646	Floor/Ceiling Mount
	1001015622	Wall/Bulkhead Mount
Condensate Kit	1000988616	Single Side
	1000988618	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
Resistor	1000067312	12V / 24V
Actuator	1000593041	12V / 24V
Thermostat	1000541645	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



### Suggested Applications



### Recommended Condenser



**KC-500**



**KC-750**

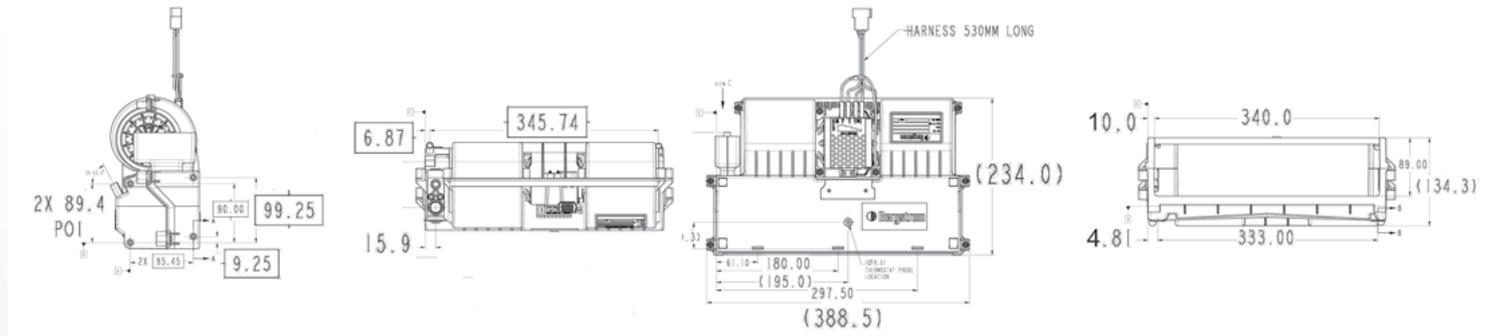
### Pascal AC Technical Specifications

Model	Pascal AC 12V	Pascal AC 24V
Voltage	12V	24V
Capacity	13,649 BTU/hr (4 kW)	13,649 BTU/hr (4 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)	15.3in x 9.21in x 5.29in (234mm x 88.5mm x 134.3mm)	15.3in x 9.21in x 5.29in (234mm x 88.5mm x 134.3mm)
Weight	8.04 lb (3.8 kg)	8.04 lb (3.8 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%.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### Line Drawing



1001004175



1001004181



1001161239



1001015622



1001013646

Engine-Driven Headliner

### Pascal AC Order Guide\*

Part	Part Number	Notes
Unit Part Number	1000812940	12V
	1000814236	24V
Harness	1001404667	4 meters of hose
	1001397464	8 meters of hose
Control Panel	1001157329	Vertical
	1001165354	Horizontal
Fascia Panel	1001015619	Three Chrome and Black Louvers
	1001004144	Three Spigot Outlets
	1001161278	Three Black and Black Louvers
Bracket	1001015620	Floor/Ceiling Mount
	1001013603	Wall/Bulkhead Mount
Condensate Kit	1000988616	Single Side
	1000988618	Double Side

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

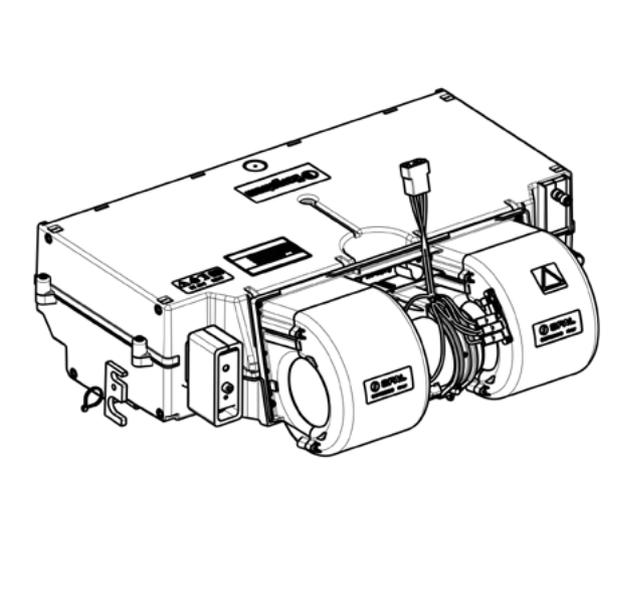


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#### Warranty

- 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

### Suggested Applications



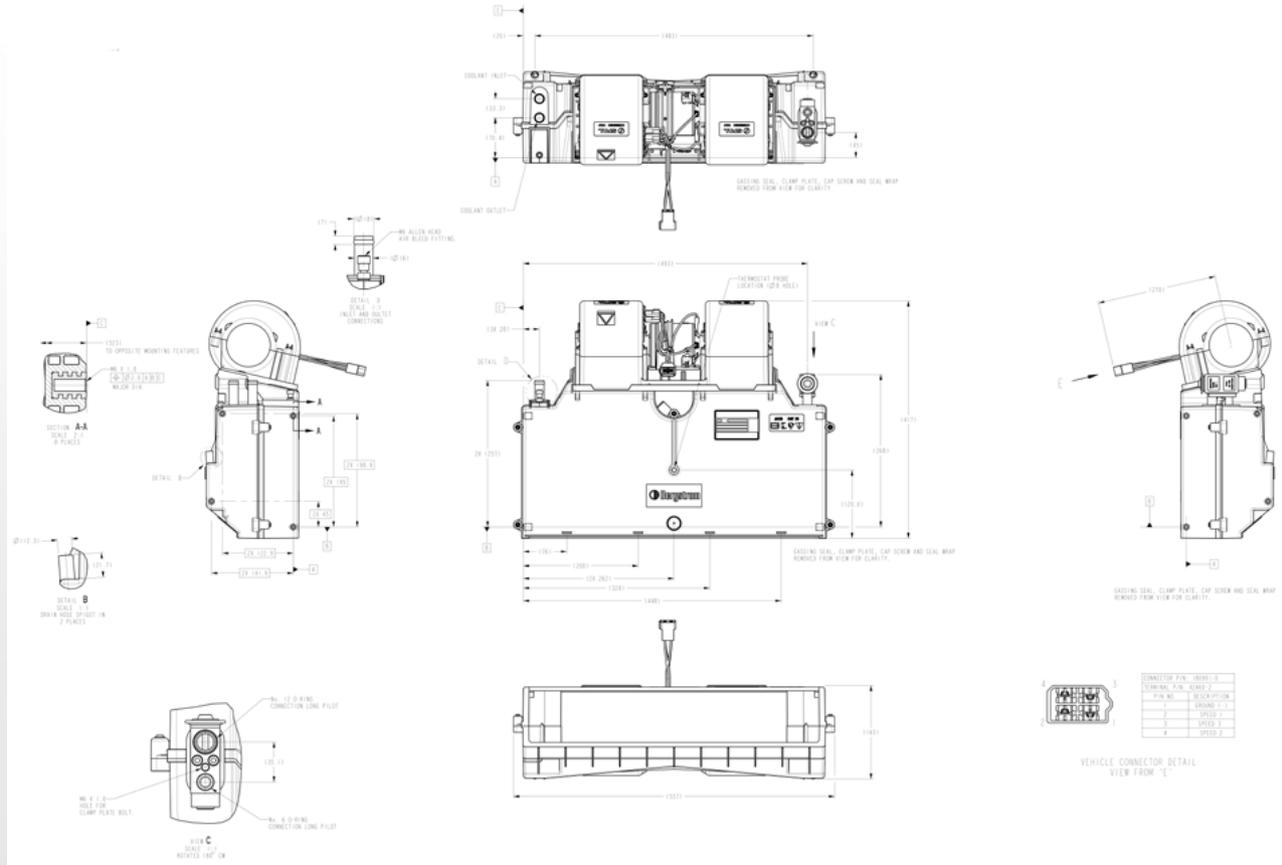
### Volta HVAC Technical Specifications

Model	Volta HVAC 12V
Voltage	12V
Capacity	
Amps	
Maximum air flow	
Dimensions (L x W x H)	
Weight	
Mounting Position	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%.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Headliner

Volta HVAC Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1001251001</b>	12V



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**Warranty**

- 1-year limited warranty





# Engine-Driven Backwall Systems

<b>KK-315</b>	<b>56</b>
<b>KA-550 Slimline</b>	<b>58</b>
<b>KK-550 Slimline</b>	<b>60</b>
<b>KK-600 Backpack</b>	<b>62</b>
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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 Aftermarket systems have a 1-year warranty.

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## Features

- Heavy-duty steel construction
- Built for the rescue vehicle industry



## Air Distribution and Control Panel



## Suggested Applications

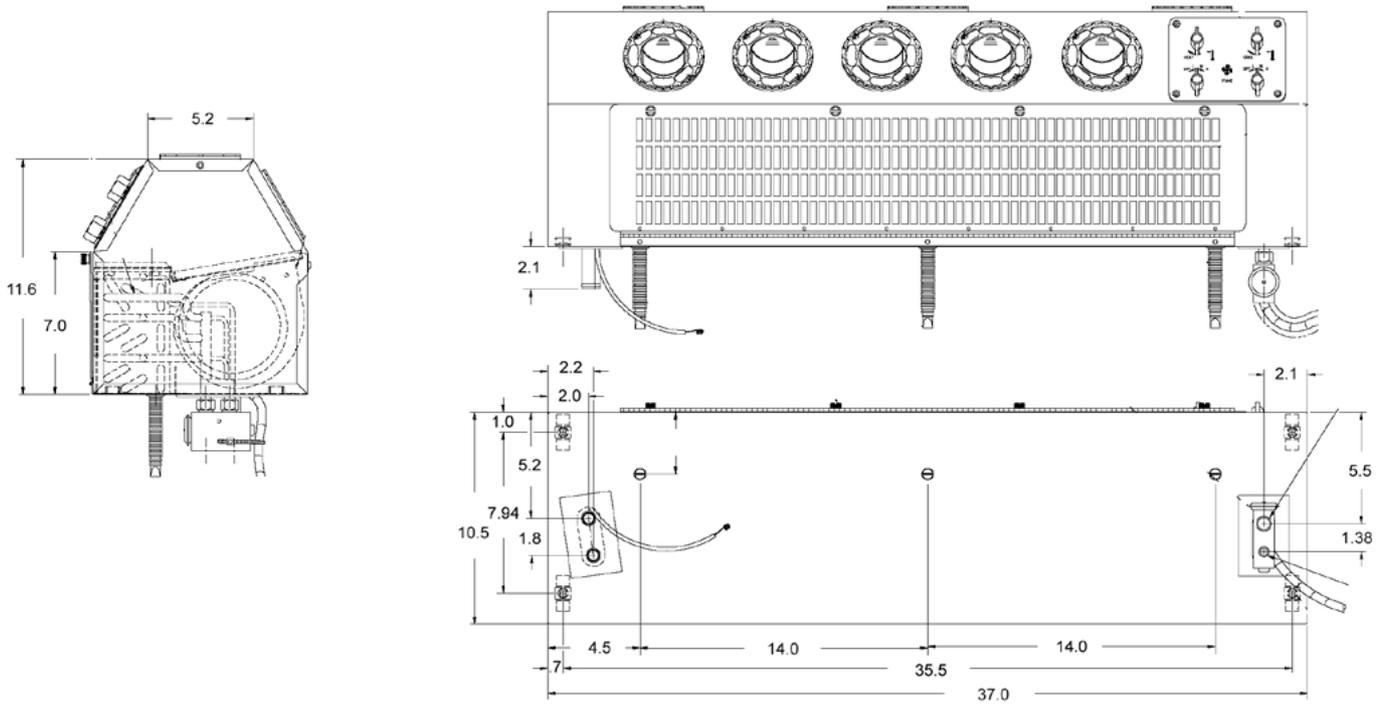


## Technical Specifications

Model	KK-315 12V
Voltage	12V
Capacity	34,000 BTU/hr (10 kW)
Amps	25 A
Maximum air flow	619 SCFM (1,052 m <sup>3</sup> /hr)
Dimensions (W x H x D)	37in x 11.6in x 10.5in (940mm x 295mm x 267mm)
Weight	53 lb (24,0 kg)
Mounting Position	Floor

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Backwall

KK-315 Service Parts Guide

Part	Part Number	Notes
Resistor	<b>650790</b>	12V
Thermostat	<b>B404028</b>	12V
Fan Switch	<b>650657</b>	12V
Water Valve	<b>B173131</b>	12V
Louver	<b>B360880</b>	12V



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**Warranty**

- 1-year limited warranty



### 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



### Suggested Applications



### Recommended Condenser



**KC-500**



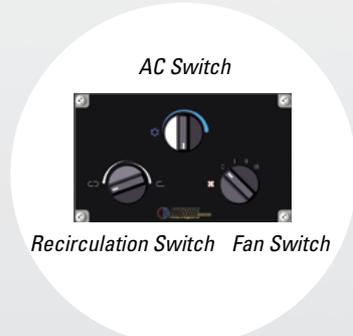
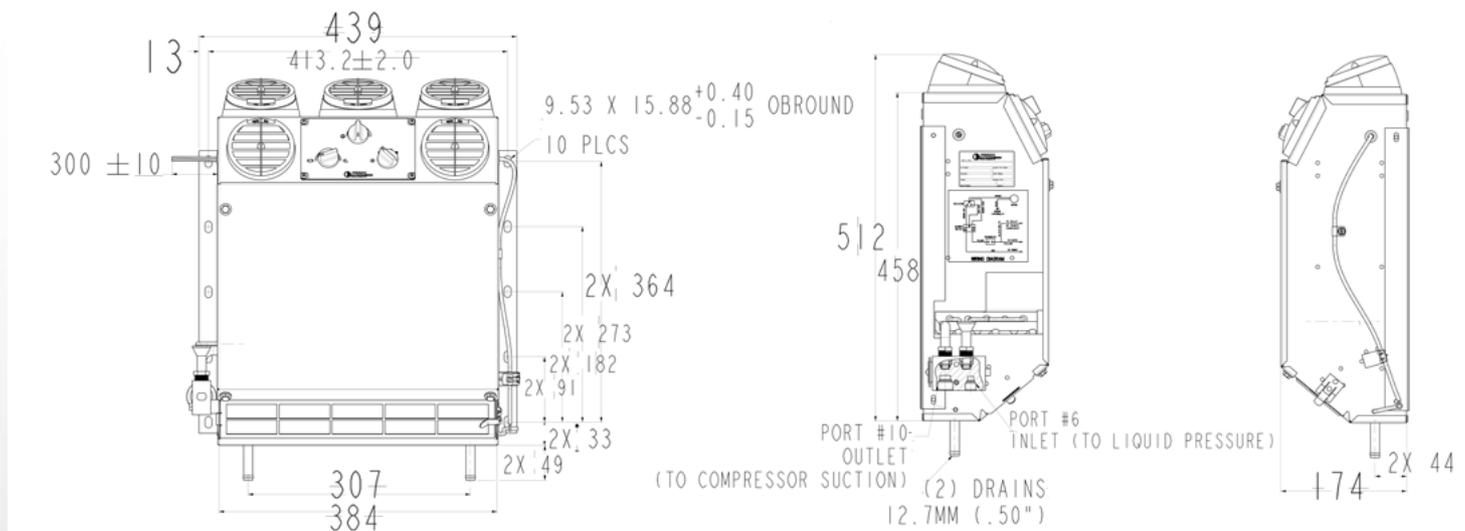
**KC-750**

### Technical Specifications

Model	KA-550 12V	KA-550 24V
Voltage	12V	24V
Capacity	19,449 BTU/hr (5,7 kW)	19,449 BTU/hr (5,7 kW)
Amps	7 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 lb (15,4 kg)	34 lb (15,4 kg)
Mounting Position	Wall	Wall

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Backwall

KA-550 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	1001383384	12V
	1000258354	24V
Installation Kit (includes receiver drier and hoses)	B417262	12V
	B417262	24V

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

KA-550 Slimline Service Parts Guide

Part	Part Number	Notes
Blower Motor	519714	12V
	1000304979	24V
Resistor	B220990	12V
	1000303297	24V
Air Filter	B407162	12V
	B407162	24V
Expansion Valve	1001443791	12V
	1001443791	24V



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Warranty

- 1-year limited warranty



### 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



### Suggested Applications



### Recommended Condenser



**KC-500**



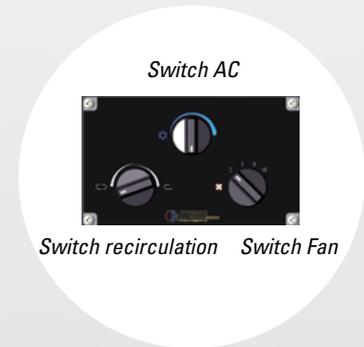
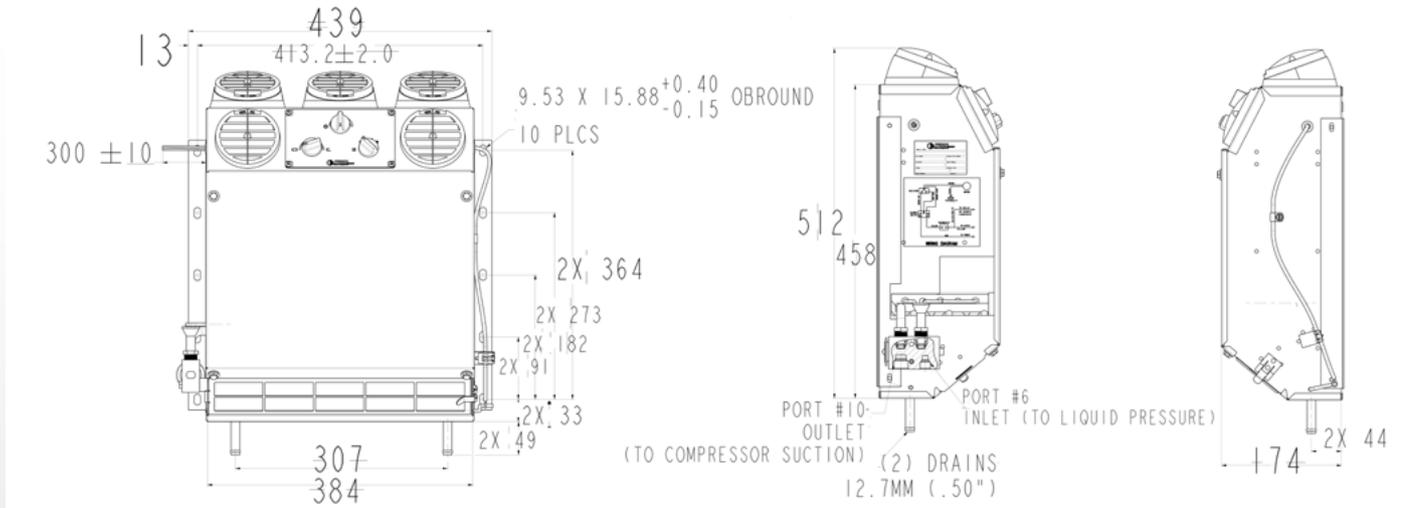
**KC-750**

### Technical Specifications

Model	KK550 12V	KK-550 24V
Voltage	12V	24V
Capacity	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 lb (16,8 kg)	37.04 lb (16,8 kg)
Mounting Position	Wall	Wall

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Engine-Driven Backwall

KK550 Slimline Order Guide\*

Part	Part Number	Notes
Unit Part Number	1001341694	12V
	1001383734	24V
Installation Kit (includes receiver drier and hoses)	B417262	12V
	B417262	24V

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

KK-550 Slimline Service Parts Guide

Part	Part Number	Notes
Blower Assembly	519703	12V
	1000304979	24V
Resistor	B220990	12V
	B221670	24V
Filter	B407372	12V / 24V
Expansion Valve	1001443791	12V / 24V
Water Valve	1000488420	12V / 24V
Fresh Air Filter	B407162	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



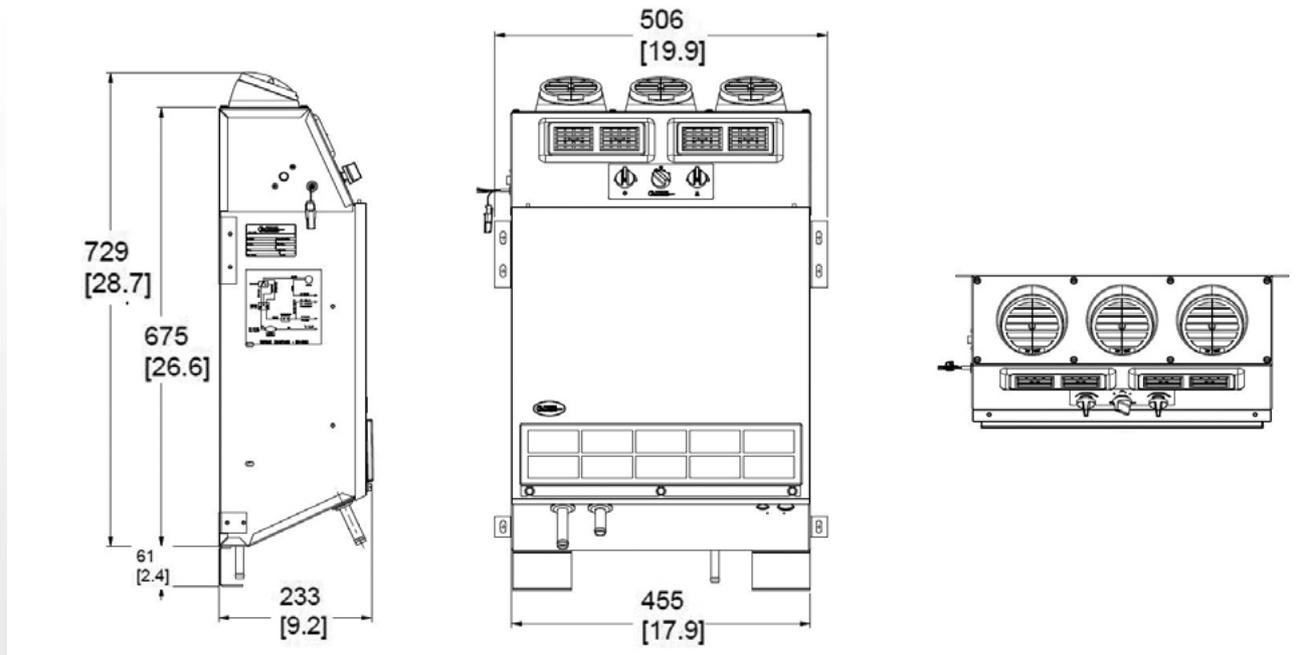
## Technical Specifications

Model	KK-600 Backpack 12V	KK-600 Backpack 24V
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr)	325 SCFM (552 m <sup>3</sup> /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 lb (31.8 kg)	70 lb (31.8 kg)
Mounting Position	Wall	Wall

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Recommended Compressor: TM-21

Line Drawing



Engine-Driven Backwall

KK-600 Backpack Order Guide\*

Part	Part Number	Notes
Unit Part Number	1002207730	12V
	1000258387	24V
	1002207731	12V

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

KK-600 Backpack Service Parts Guide

Part	Part Number	Notes
Blower Motor	519714	12V
Blower Wheel	B260170	12V / 24V
Resistor	1000303268	12V
	1000303297	24V
Thermostat	B404028	12V / 24V
Expansion Valve	1001443791	12V / 24V
Water Valve	1000488420	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



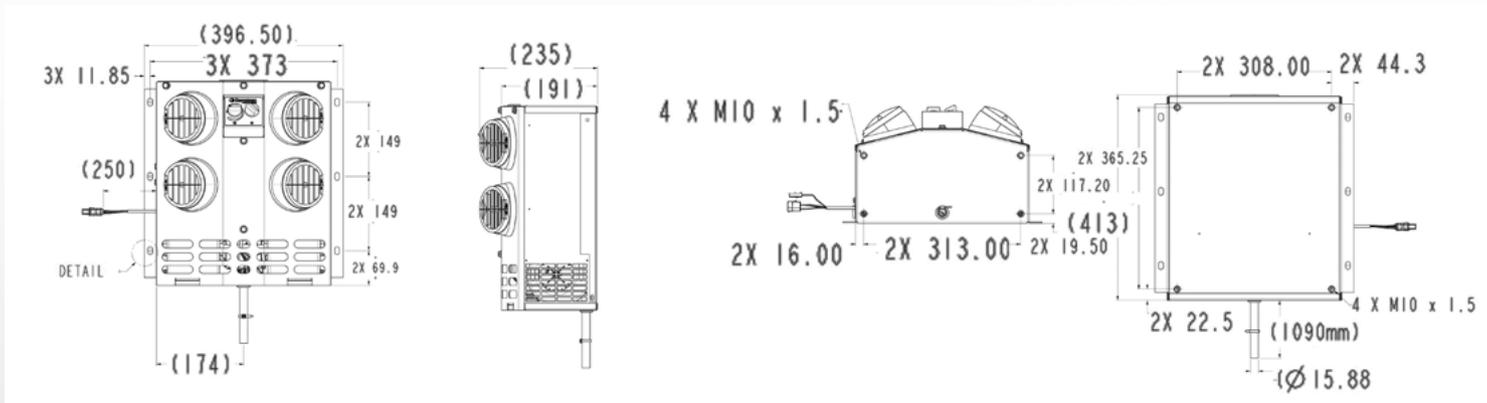
## Recommended Condenser

## Technical Specifications

Model	KA-710 Sidekick 12V
Voltage	12V
Capacity	24,500 BTU/hr (7,2 kW)
Amps	14 A
Maximum air flow	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)
Weight	29 lb (13,2 kg)
Mounting Position	Wall

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

## Line Drawing



## KA-710 Sidekick Order Guide\*

Part	Part Number	Notes
Unit Part Number	<b>1001203445</b>	12V
Universal Installation Kit (includes receiver drier, wall mounting kit and hoses)	<b>1001685792</b>	12V

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

## KA-710 Sidekick Service Parts Guide

Part	Part Number	Notes
Blower Motor	<b>519703</b>	12V
Resistor	<b>1000303268</b>	12V
Thermostat	<b>B404028</b>	12V
Fan Switch	<b>650657</b>	12V
Expansion Valve	<b>1001443791</b>	12V



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**Warranty**

- 1-year limited warranty





## Condensers

<b>2-Fan Condenser Kit</b>	<b>68</b>
<b>2-Fan Skirt Condenser</b>	<b>70</b>
<b>3-Fan Skirt Condenser</b>	<b>72</b>
<b>KC-270</b>	<b>74</b>
<b>KC-440</b>	<b>76</b>
<b>KC-500</b>	<b>78</b>
<b>KC-750</b>	<b>80</b>

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All Aftermarket systems have a 1-year warranty.

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### 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



### Technical Specifications

Model	2-Fan Condenser Kit 12V
Voltage	12V
Capacity	17,061 BTU/hr (5 kW)
Amps	
Maximum air flow	
Dimensions (W x H x D)	
Weight	
Mounting Position	
Refrigeration Inlet	
Refrigeration Outlet	

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

## Line Drawing

## 2-Fan Condenser Kit Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1002660847</b>	12V



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.

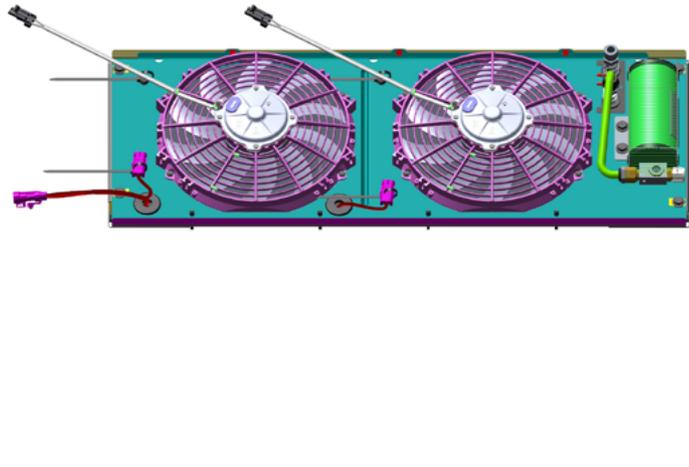
Availability of the products shown in this catalog is subject to change without notice by Bergstrom, Inc. For the most current product information please visit the Kysor distributor website at <https://parts.shop.bergstrominc.com/>.

**Warranty**



## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC 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

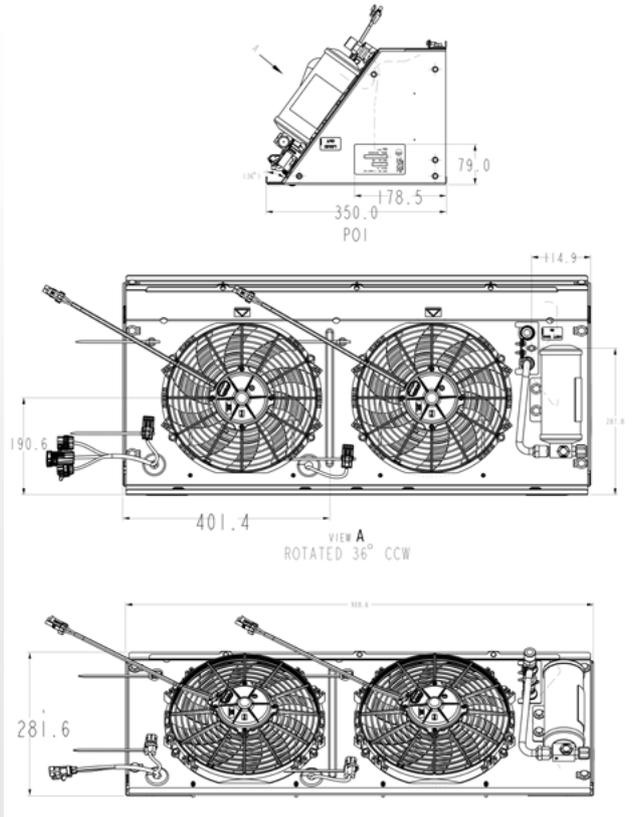


## Technical Specifications

Model	2-Fan Skirt Condenser Kit
Voltage	12V
Capacity	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)	35.77 in x 11.09 in x 13.78 in (908.6 mm x 281.6 mm x 350.0 mm)
Weight	50 lb (21.8 kg)
Mounting Position	Skirt Mount

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



2-Fan Skirt Condenser Order Guide

Part	Part Number	Notes
Unit Part Number	1002719050	12V



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Warranty



## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC 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

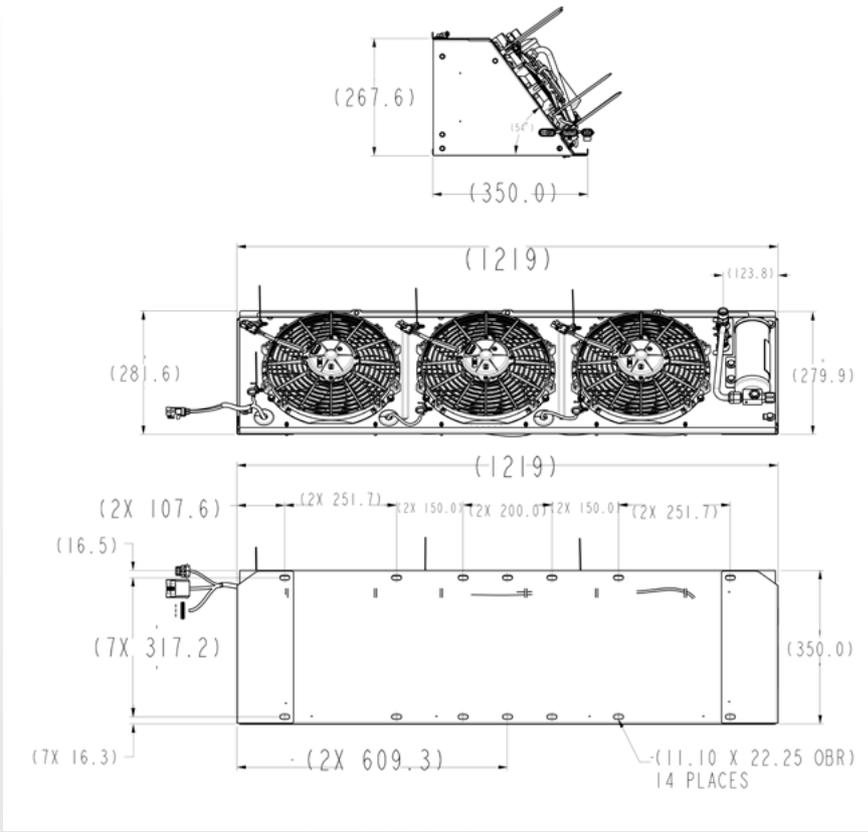


## Technical Specifications

Model	3-Fan Skirt Condenser
Voltage	12V
Capacity	76,000 BTU/hr (22,3 kW)
Amps	26.0 A/h
Maximum air flow	1,570 CFM (2,667m <sup>3</sup> /hr)
Dimensions (W x H x D)	47.99 in x 11.09 in x 13.78 in (1219 mm x 281.6 mm x 350 mm)
Weight	67 lb (30.4 kg)
Mounting Position	Skirt Mount

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Condensers

3-Fan Skirt Condenser Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1003008277</b>	12V



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**Warranty**



### Features

- Heavy-duty steel base construction
- Durable permanent magnet motor
- Available with or without receiver drier

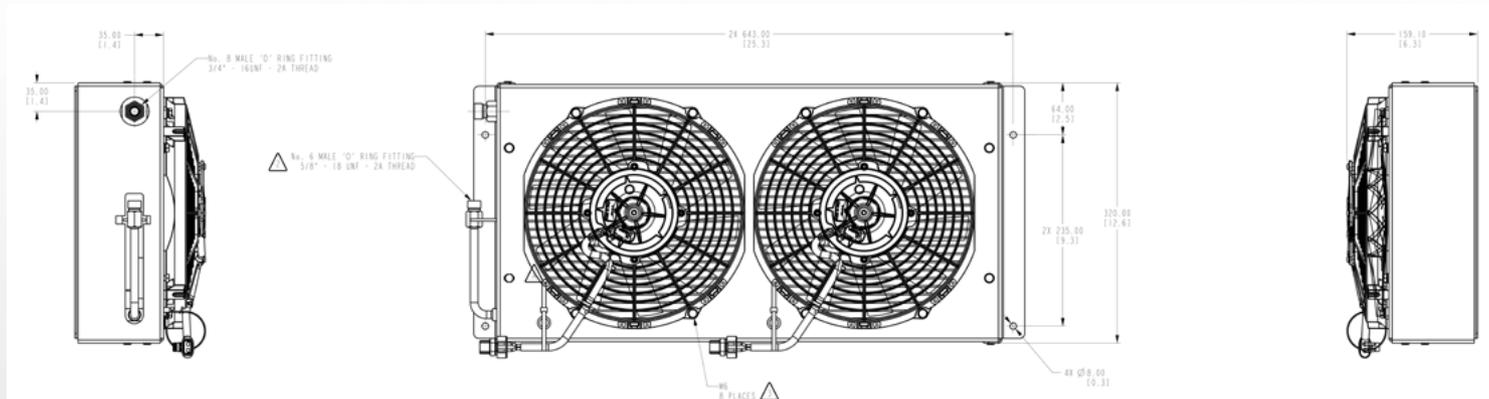
### Suggested Applications

### Technical Specifications

Model	KC-270 12V
Voltage	12V
Capacity	32,000 BTU/hr (9,4 kW)
Amps	20 A/h
Maximum air flow	1,080 SCFM (1,84 m <sup>3</sup> /hr)
Dimensions (L x W x H)	30.4in x 6.3in x 12.6in (771mm x 159mm x 320mm)
Weight	20.5 lb (9,3 kg)
Mounting Position	Skirt

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Condensers

KC-270 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1002331695</b> <b>1001787907</b>	12V without receiver drier 12V with receiver drier



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**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



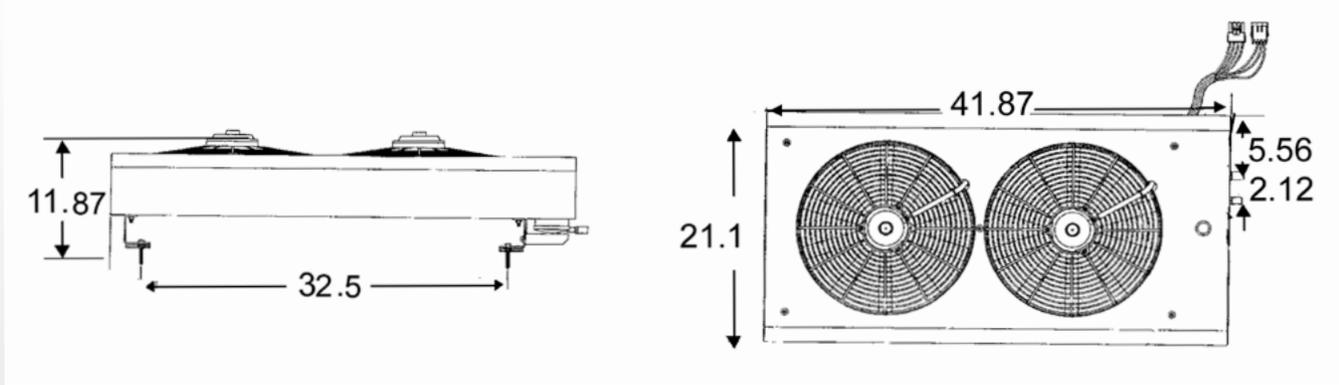
**KA-500**

### Technical Specifications

Model	KC-440 12V
Voltage	12V
Capacity	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 lb (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)

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



KC-440 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1001301750</b>	12V



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**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**



**KK-550**



**KA-710**



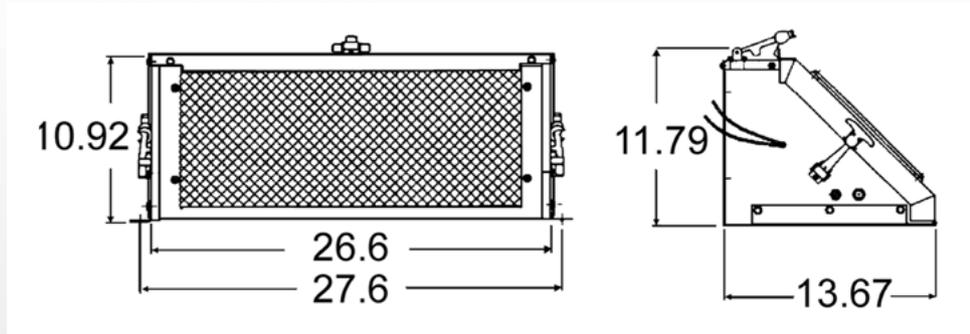
**Pascal A/C**

## Technical Specifications

Model	KC-500 12V	KC-500 24V
Voltage	12V	24V
Capacity	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 lb (19,1 kg)	42 lb (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)

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### Line Drawing



### KC-500 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1002218122</b>	12V
	<b>1002217887</b>	24V

### KC-500 Service Parts Guide

Part	Part Number	Notes
Condenser	<b>B401080</b>	12V
	<b>B401080</b>	24V
Condenser Fan	<b>B265600</b>	12V
	<b>B265600</b>	24V
Motor	<b>B275165</b>	12V
	<b>B275265</b>	24V



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### 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**



**KA-550**



**Kelvin A/C or HVAC**



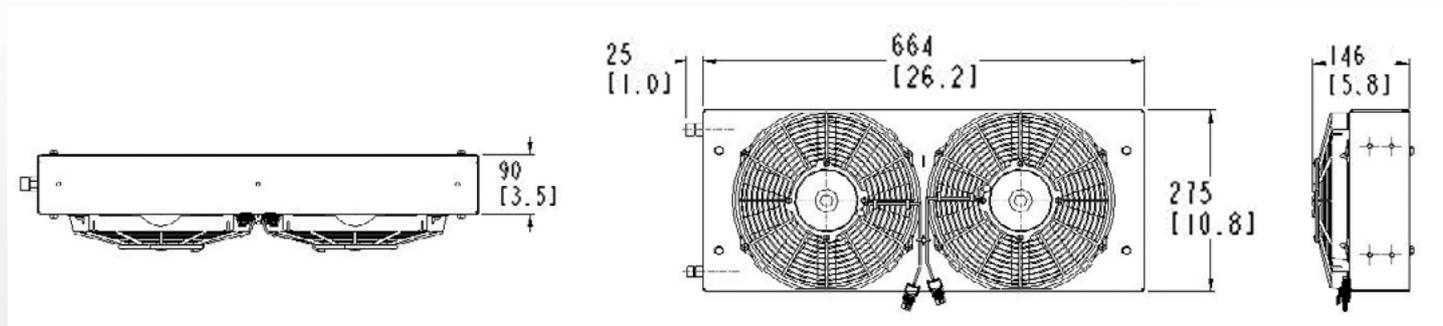
**Pascal A/C**

## Technical Specifications

Model	KC-750 12V	KC-750 24V
Voltage	12V	24V
Capacity	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 lb (5,9 kg)	13 lb (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)

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



KC-750 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1001590157</b>	12V with Installation Kit
Unit Part Number	<b>1001342458</b> <b>1001342463</b>	12V 24V

KC-750 Service Parts Guide

Part	Part Number	Notes
Relay	<b>B222166</b> <b>B222166</b>	12V 24V



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Warranty



# Heaters

<b>KH-150</b>	<b>84</b>
<b>KH-200</b>	<b>86</b>
<b>KH-290</b>	<b>88</b>
<b>KH-295</b>	<b>90</b>
<b>KH-300</b>	<b>92</b>
<b>Pascal Heater / KH810</b>	<b>94</b>
<b>KH-900</b>	<b>96</b>
<b>KP-1000 Pressurizer Blower</b>	<b>98</b>
<b>Heater Assemblies</b>	<b>100</b>

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All Aftermarket systems have a 1-year warranty.

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



## Features

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

## Suggested Applications

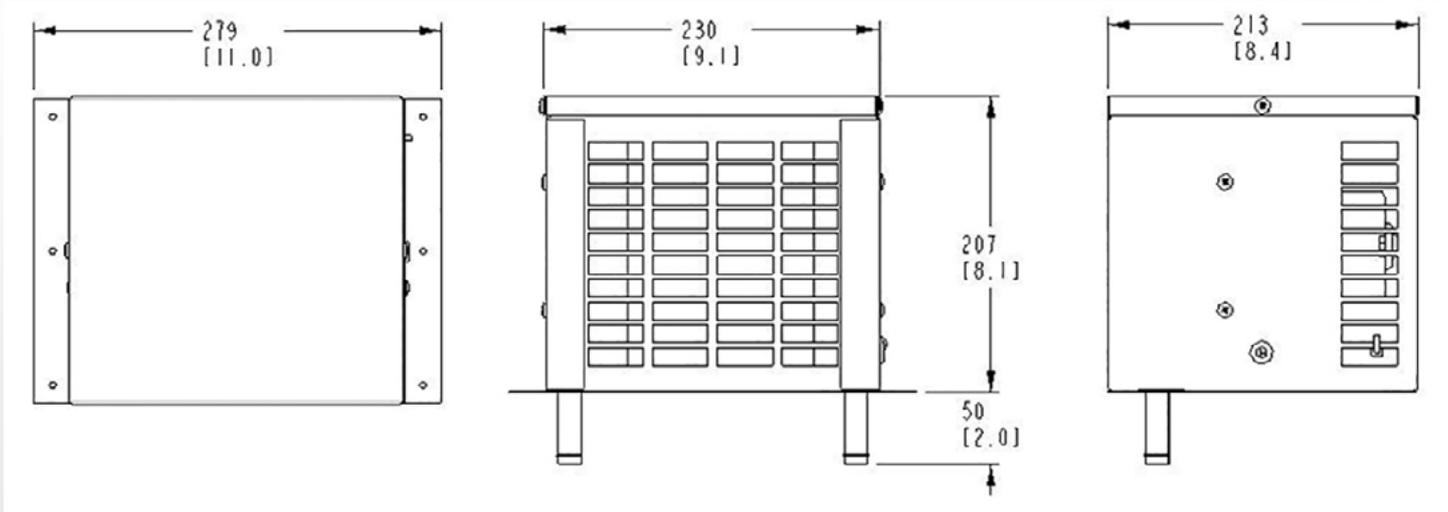


## Technical Specifications

Model	KH-150 12V
Voltage	12V
Capacity	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 lb (4,45 kg)
Mounting Position	Floor
Tube Connection	(2) 5/8" O.D.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

## Line Drawing



## KH-150 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1000258378</b>	12V

## KH-150 Service Parts Guide

Part	Part Number	Notes
KH-150 Control Switch Kit	<b>B416617</b>	
Blower Motor	<b>1000132197</b>	12V
Blower Fan	<b>587380</b>	12V
Heater Coil	<b>108250</b>	12V
Filter	<b>525406</b>	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

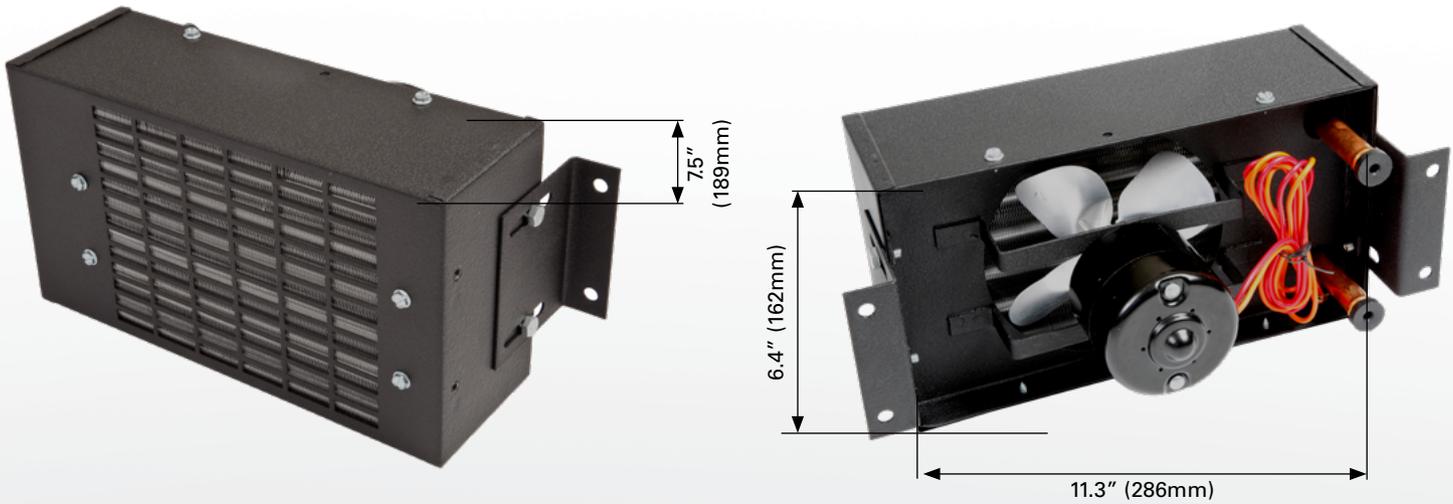


### Technical Specifications

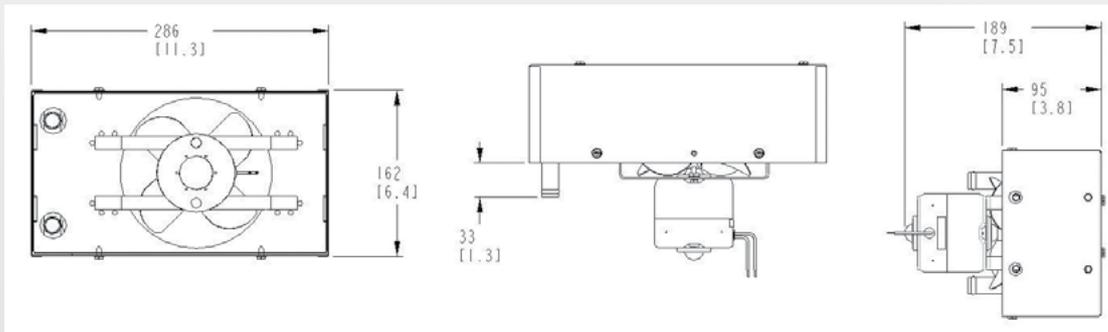
Model	KH-200 12V	KH-200 24V
Voltage	12V	24V
Power	18,360 BTU/hr (5,4 kW)	18,360 BTU/hr (5,4 kW)
Amps	1.53 A	1.5 A
Maximum air flow	145 SCFM (246 m <sup>3</sup> /hr)	145 SCFM (246 m <sup>3</sup> /hr)
Dimensions (W x H x D)	11.3in x 6.4in x 7.5in (286mm x 162mm x 189mm)	11.3in x 6.4in x 7.5in (286mm x 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	<b>1000258381</b>	24V

## KH-200 Service Parts Guide

Part	Part Number	Notes
Blower Motor	<b>1000182193</b>	12V
	<b>B274284</b>	24V
Blower Fan	<b>B265620</b>	12V
	<b>B265620</b>	24V
Control Switch Kit	<b>B416617</b>	12V
	<b>B416617</b>	24V



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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

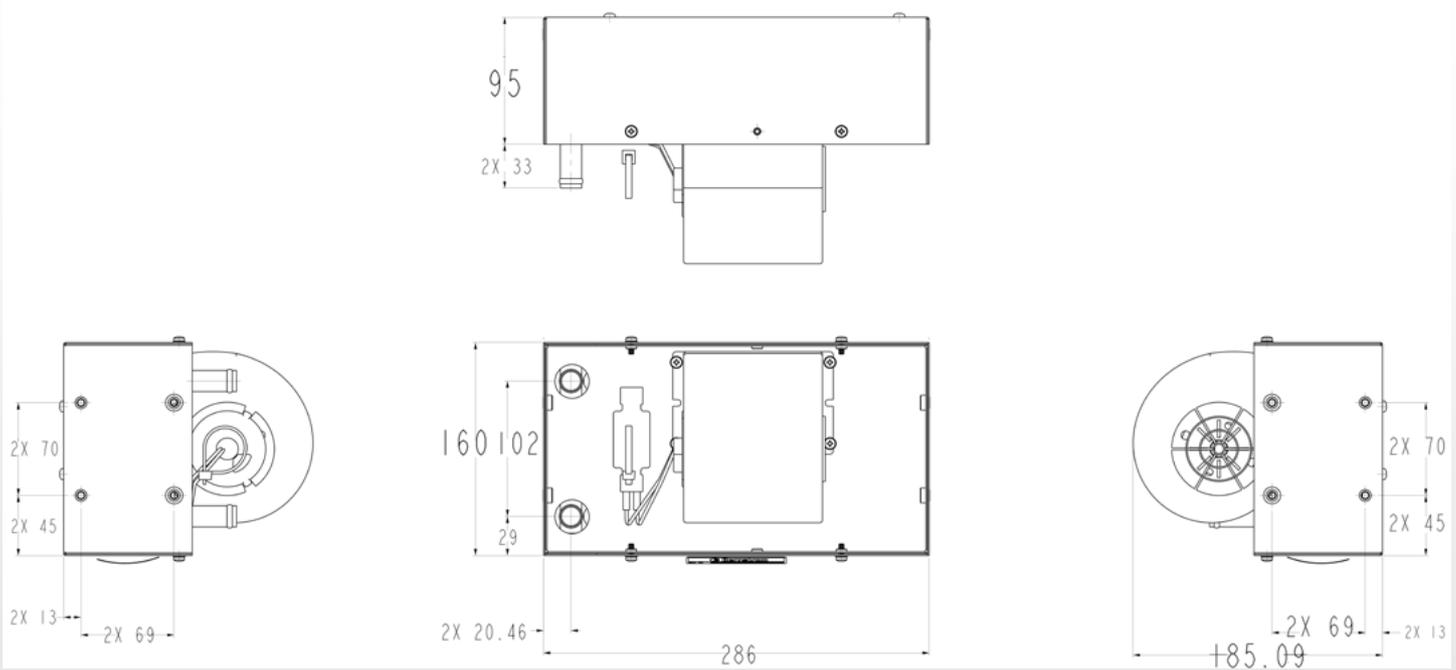


## Technical Specifications

Model	KH-290 12V
Voltage	12V
Capacity	22,348 BTU/hr (6,55 kW)
Amps	8.82 A
Maximum air flow	167 SCFM (284 m <sup>3</sup> /hr)
Dimensions (W x H x D)	11.3n x 6.3in x 7.3in (286mm x 160mm x 185mm)
Weight	9 lb (4,1 kg)
Mounting Position	Floor
Tube Connection	(2) 5/8" O.D.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



KH-290 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1002141937</b>	12V



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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

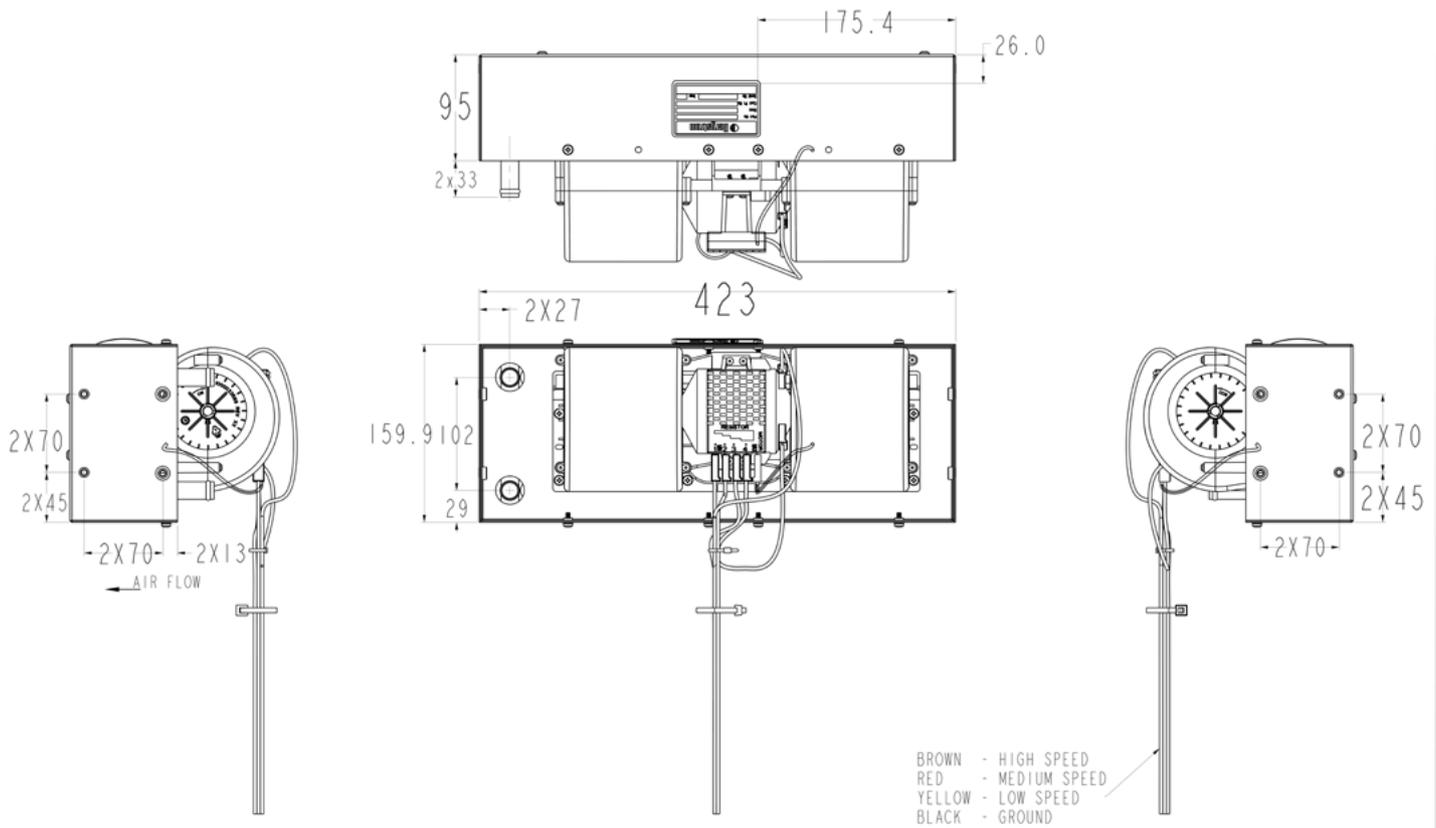


## Technical Specifications

Model	KH-295 12V
Voltage	12V
Capacity	43,085 BTU/hr (12,6 kW)
Amps	27.94 A
Maximum air flow	500 SCFM (844 m <sup>3</sup> /hr)
Dimensions (W x H x D)	16.6in x 6.3in x 7.5in (423mm x 160mm x 190mm)
Weight	14 lb (6,4 kg)
Mounting Position	Floor
Tube Connection	(2) 5/8" O.D.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



Heaters

KH-295 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1002560911</b>	12V



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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

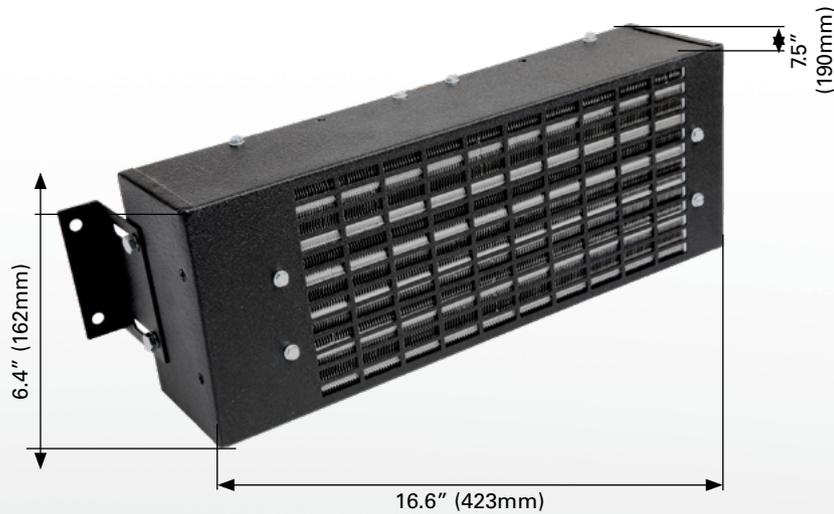


## Technical Specifications

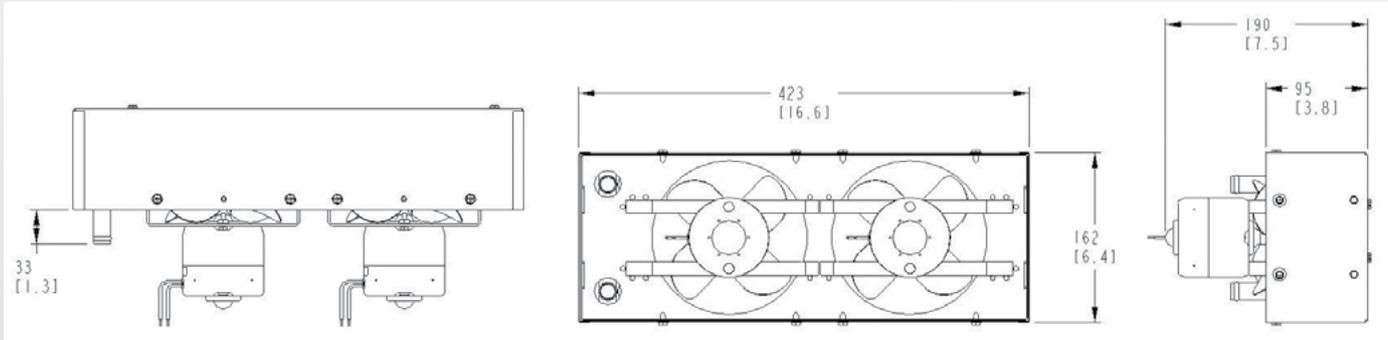
Model	KH-300 12V
Voltage	12V
Power	30,0270 BTU/hr (8,8 kW)
Amps	3 - 6 A
Maximum air flow	265 SCFM (450 m <sup>3</sup> /hr)
Dimensions (W x H x D)	16.6in x 6.4in x 7.5in (423mm x 162mm x 190mm)
Weight	14 lbs. (6,4 kg)
Mounting Position	Floor or Wall
Tube Connection	(2) 5/8" O.D.

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

## Dimensions layout



## Line Drawing



## KH-300 Order Guide

Part	Part Number	Notes
Unit Part Number	<b>1000258382</b>	12V

## KH-300 Service Parts Guide

Part	Part Number	Notes
Blower Motor	<b>1000182193</b>	12V
Blower Fan	<b>B265620</b>	12V
Control Switch Kit	<b>B416617</b>	12V



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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



## Air Distribution Panel



*Spigot*



*Louver*

## Suggested Applications

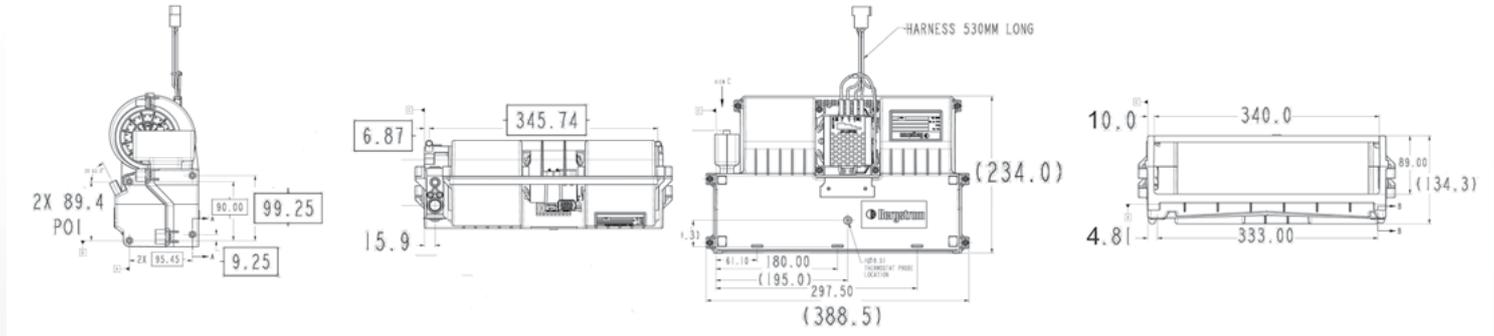


## Technical Specifications

Model	Pascal 12V	Pascal 24V
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr)	265 SCFM (450 m <sup>3</sup> /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 lb (3.8 kg)	8.4 lb (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.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



1001004144



1001015619



1001161278



1001013603



1001015620

Pascal Heater Order Guide\*

Part	Part Number	Notes
Unit Part Number	1000813400	12V
	1000814235	24V
Control Panel	1001229640	Vertical
	1001229584	Horizontal
Fascia Panel	1001015619	Three Chrome and Black Louvers
	1001004144	Three Spigot Outlets
	1001161278	Three Black and Black Louvers
Bracket	1001015620	Floor/Ceiling Mount
	1001013603	Wall/Bulkhead Mount
Condensate Kit	1000988616	Single Side
	1000988618	Double Side

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

Pascal Heater Service Parts Guide

Part	Part Number	Notes
Resistor	1000067312	12V
	1000067312	24V



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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

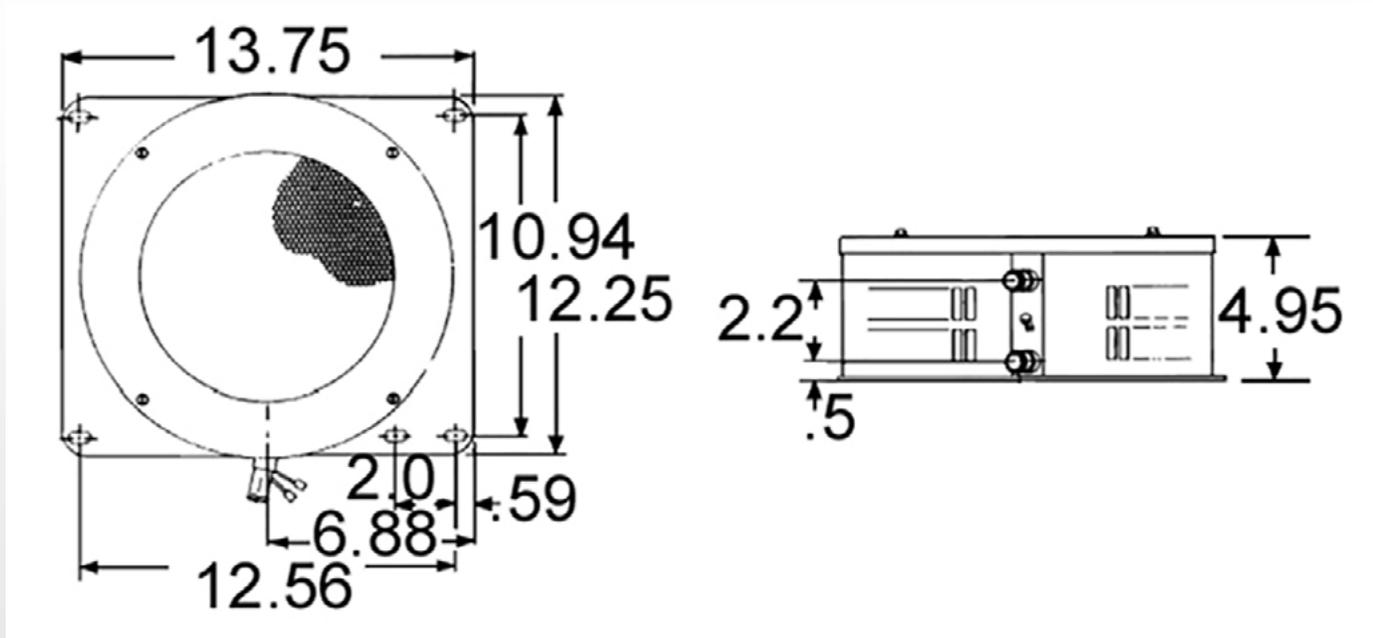


## Technical Specifications

Model	KH-900 12V	KH-900 24V
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr)	325 SCFM (552 m <sup>3</sup> /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 lb (5.1 kg)	11.25 lb (5.1 kg)
Mounting Position	Floor	Floor
Tube Connection	(2) 5/8" O.D.	(2) 5/8" O.D.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



**KH-900 Order Guide**

Part	Part Number	Notes
Unit Part Number	<b>B936213</b>	12V (Face Blower)
	<b>B936228</b>	24V (Face Blower)
	<b>B936055</b>	12V (Side Blower)



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**Warranty**

- 1-year limited warranty



### Features

- Attaches directly to remote mount filters
- Increases pressurization capacity
- Assures a dust-free environment

### Suggested Applications

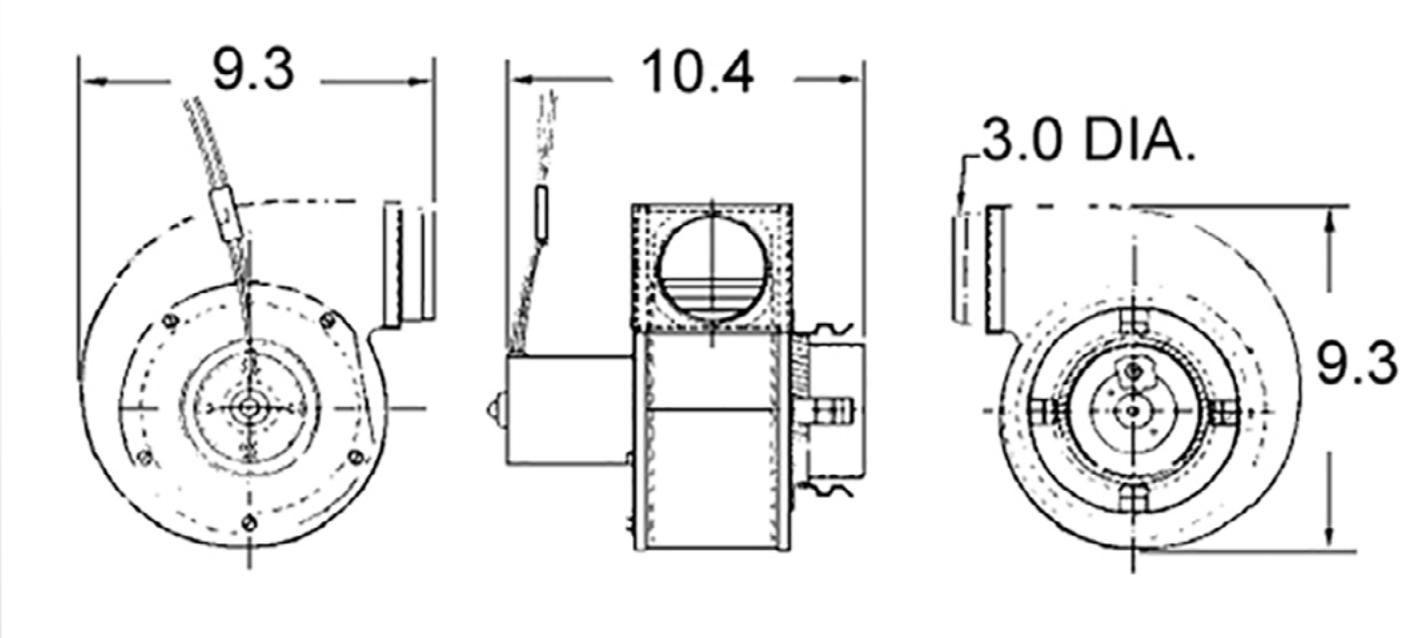


### Technical Specifications

Model	KP-1000 24V
Voltage	24V
Amps	5 A
Maximum air flow	220 SCFM (374 m <sup>3</sup> /hr)
Dimensions (L x W x H)	10 1/16in x 9in x 9in (256mm x 236mm x 236mm)
Weight	8.75 lb (3,97 kg)
Mounting Position	Universal

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

Line Drawing



KP-1000 Pressurizer Blower Order Guide

Part	Part Number	Notes
Unit Part Number	<b>B411080</b>	24V

Pressurizer

Attaches directly to the remote mount filters to force dust-free air into the cab through the heating and air conditioning unit. A pressurizer increases pressurization capacity to assure a dust-free environment.



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Warranty

- 1-year limited warranty



**Part No: 780017**



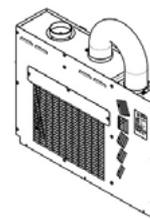
Heater Assembly, 80K Wallmount  
IC Corp Cross Reference No: 448253001

**Part No: 1000136032**



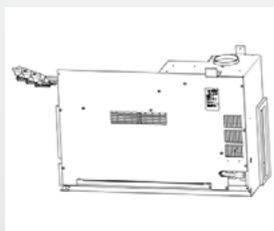
Heater Assembly  
Blue Bird Cross Reference No: 10006651

**Part No: 1000194015**



Heater Assembly - 50K  
IC Corp Cross Reference No: 3864119C1

**Part No: 1000713079**



Heater Kit, Lf (Service)

**Part No: 1002486423**



Double Seat Mount Heater  
Blue Bird Cross Reference No: 100013871

**Part No: 1002949575**



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

**Part No: 1002978752**



Speed: 2  
Length: 25 1/2" (647mm)  
Width: 10 1/2" (266mm)  
Height: 10" (254mm)

**Part No: 1003025544**



Voltage: 12V  
Speed: 2  
Length: 25 1/2" (647mm)  
Width: 10 15/32" (266mm)  
Height: 10" (254mm)

**Part No: 1003046444**



Voltage: 12V  
Speed: 2  
Length: 15 7/32" (386mm)  
Width: 10 15/32" (266mm)  
Height: 10" (254mm)

# Bergstrom Electrified Systems (BES)

Bergstrom Electrified Systems has been designing and manufacturing main Capacityed 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>F-SERIES</b>	<b>103</b>
<b>FVF120 PRESSURIZER SYSTEM</b>	<b>104</b>
<b>FVV50 PRESSURIZER</b>	<b>106</b>
<b>FVV60 PRESSURIZER</b>	<b>108</b>
<b>FVV150 PRESSURIZER</b>	<b>110</b>
<b>FVW100 PRESSURIZER</b>	<b>112</b>
<b>M-SERIES</b>	<b>115</b>
<b>MPV5 HVAC SYSTEM</b>	<b>116</b>
<b>MPV9 HVAC SYSTEM</b>	<b>118</b>
<b>BES2400</b>	<b>120</b>
<b>BES2600LH</b>	<b>122</b>
<b>BES3000</b>	<b>124</b>
<b>T-SERIES</b>	<b>127</b>
<b>TBV6 HYDRAULIC COMPRESSOR</b>	<b>128</b>
<b>TCR6 CONDENSER PACKAGE</b>	<b>130</b>
<b>TDR5 HVAC SYSTEM</b>	<b>132</b>
<b>TPR6 AC SYSTEM</b>	<b>134</b>
<b>TPW5 HVAC SYSTEM</b>	<b>136</b>



## 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:

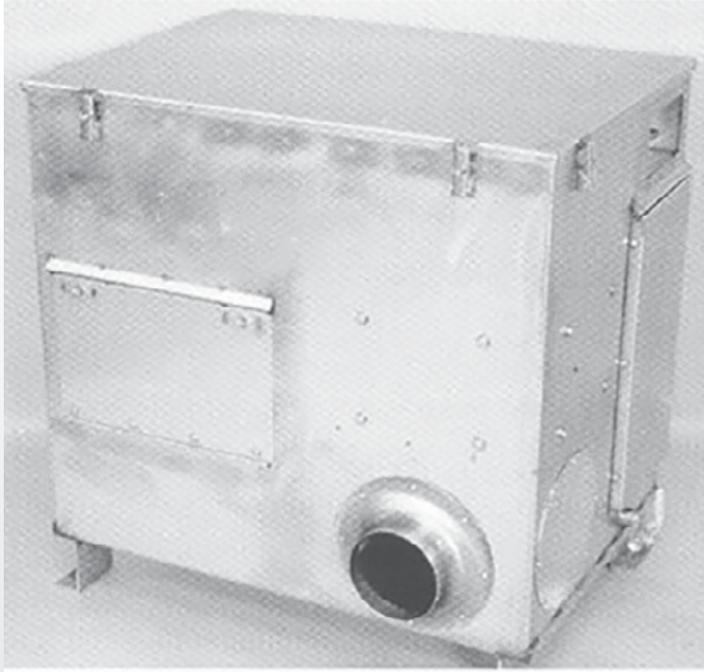
- Filters which remove gaseous contaminants often generated at industrial processing sites in enclosed spaces (such as underground mining)
- A wide range of electrical supplies to suite site availability
- Larger capacities
- New air conditioning equipment that has higher capacity in cooling, heating 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	FVV50	FVV60	FVV150	FVW100	FVF120
Type of Unit	Pressurizer	Pressurizer	Pressurizer	Pressurizer	Pressurizer
Voltages Available V.D.C.	12 or 24	12 or 24	12 or 24	12 or 24	n/a
Voltages Available V.A.C.	n/a	115-1-50/60	115-1-50/60	115-1-50/60	115-1-50/60
Pressurizer Watts @ 24vdc	120	150	150	300	n/a
Pressurizer Watts @ 115vac	n/a	200	200	400	400
Pressurizer Airflow:					
Clear filter, 0.00" w.c. ESP	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	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	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	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	2	2
No. of Motor Speeds	1	1	1	1	Variable Speed
Method of Speed Change				manual	Auto Pres. Transducer
Pre-Cleaner ---Roughing	1	1	1	n/a	n/a
Pre-Filter ---- Disposable	n/a	n/a	n/a	n/a	n/a
No. of Final Filter Elements	1	1	2	1	8
Permanent Filter Size	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	Teflon Coated
Filter Material	Paper	Paper	Paper	Spun Polyester	Polyester Sock
Filtration Efficiency	See Note	See Note	See Note	99% @ 0.3 microns	99% @ 0.3 microns
Outlet Spigot	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	Foot	Foot	Foot	Wall	Foot
Cleaning Trigger				Adjustable Timer	Adjustable Timer
Motor External Protection	no	no	no	Circuit Breaker	Circuit Breaker
Internal Thermal Prot.	yes	yes	yes	yes	yes
Pressurizer Casing Mat'l	Painted Steel	Plastic	Stainless Steel	Stainless Steel	Stainless Steel
Weight	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

- Suitable for main-Capacityed 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.

## Suggested Applications

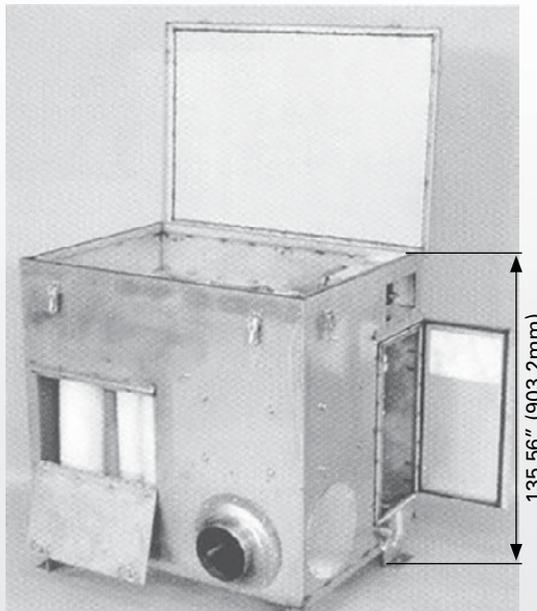
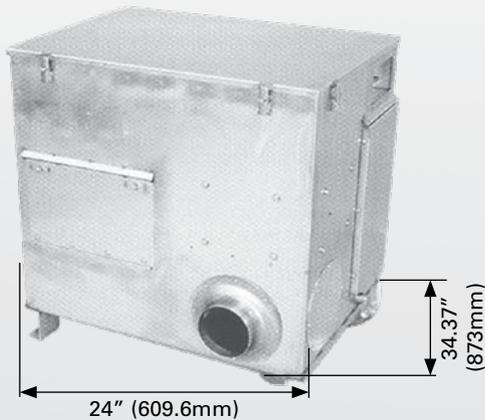


## Technical Specifications

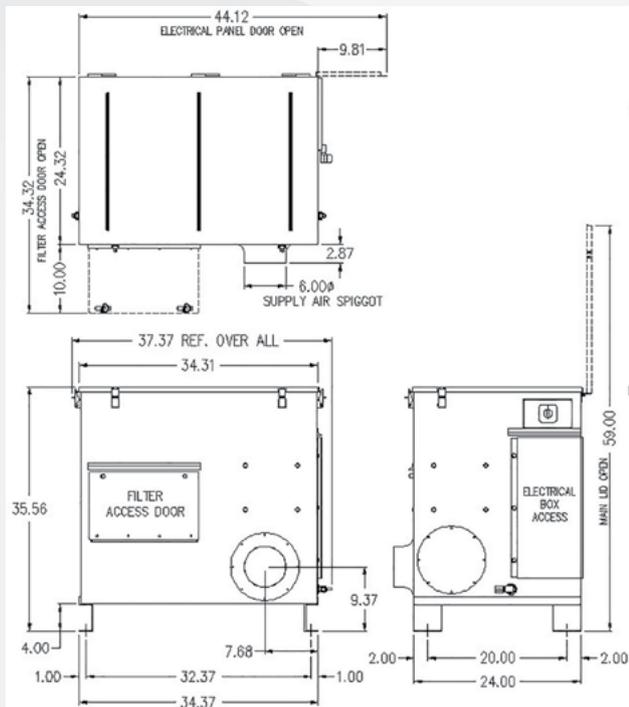
Model	FVF120 120V
Voltage	120V
Amps	3 AMPS @ 120 V.A.C. 20 AMPS @ 24 V.D.C.
Maximum air flow	365 SCFM (620 m <sup>3</sup> /hr)
Dimensions (L x W x H)	24in x 34.37in x 35.56in (609.6mm x 873mm x 903.2mm)
Weight	285 lb (129,3 kg)
Mounting Position	Foot

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### Dimensions layout



### Line Drawing



Model Specifications:	VVF120
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

Bergstrom Electrified



### 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



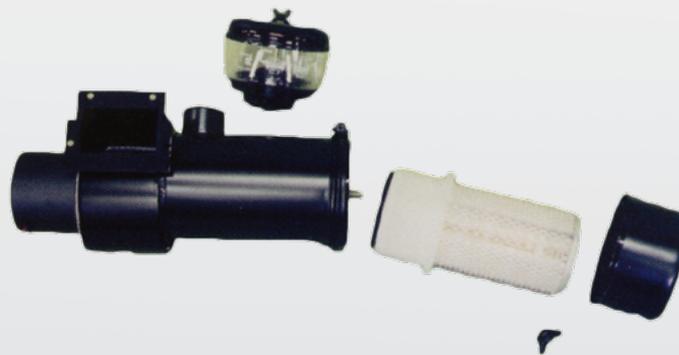
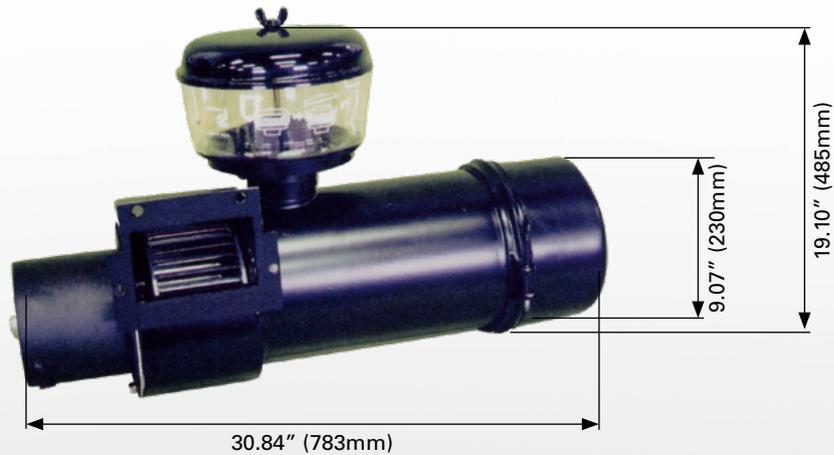
Auxillary piece for BES-series  
air conditioners

### Technical Specifications

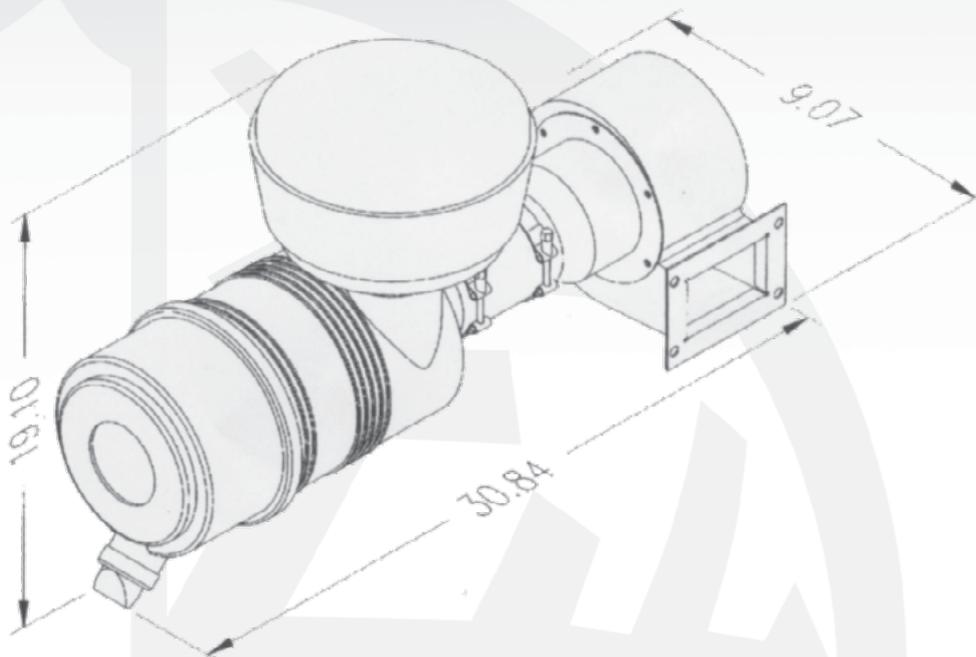
Model	FVV50 12V	FVV50 24V
Voltage	12V	24V
Amps	10 AMPS @ 12 V.D.C.	5 AMPS @ V.D.C.
Maximum air flow	85 SCFM (144 m <sup>3</sup> /hr)	85 SCFM (144 m <sup>3</sup> /hr)
Dimensions (L x W x H)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)
Weight	17 lb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

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

**Dimensions layout**



**Line Drawing**



Model Specifications:	FVV50
Type of Unit	Filter/Blower
Voltages Available V.D.C.	12 or 24
Pressurizer Watts @ 24V.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

Bergstrom Electrified

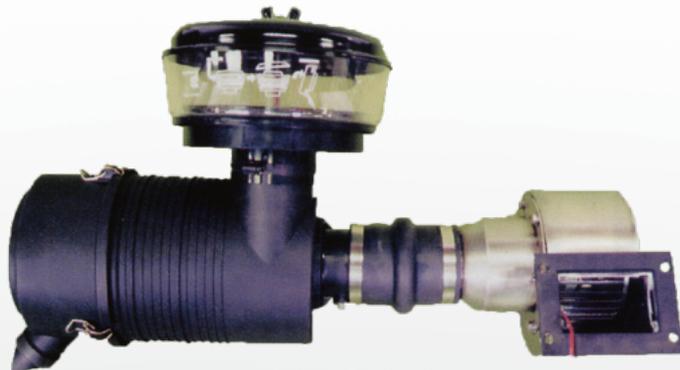


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**Warranty**

- 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



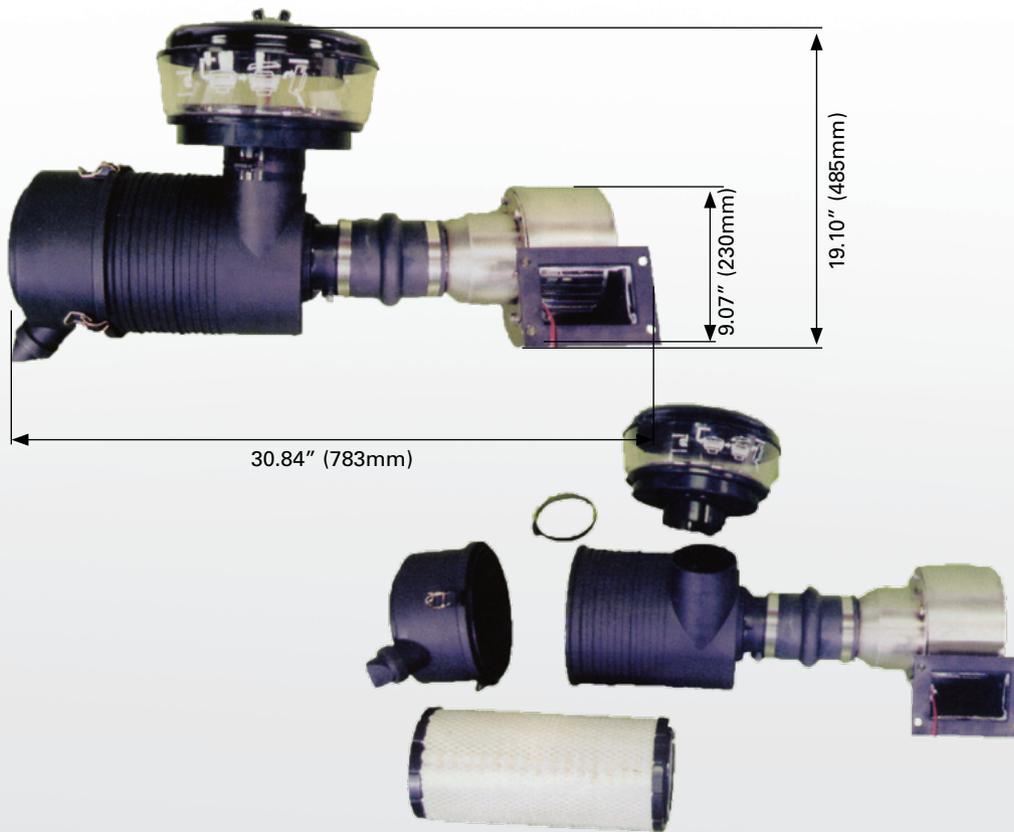
**Auxillary piece for BES-series  
air conditioners**

## Technical Specifications

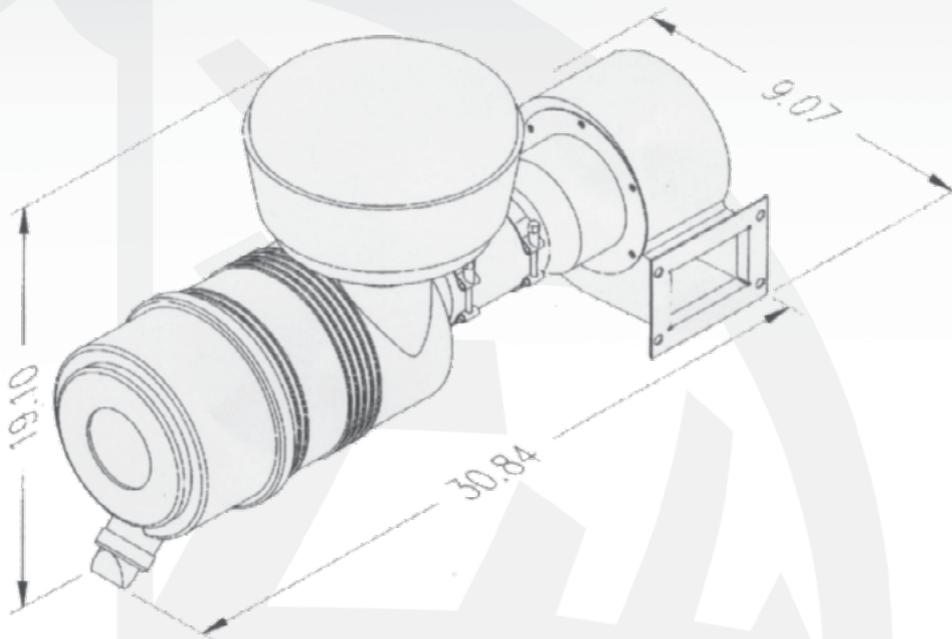
Model	FVV650 12V	FVV60 24V
Voltage	12V	24V
Amps	10 AMPS @ 12 V.D.C.	5 AMPS @ 24 V.D.C.
Maximum air flow	170 SCFM (289 m <sup>3</sup> /hr)	170 SCFM (289 m <sup>3</sup> /hr)
Dimensions (L x W x H)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)
Weight	21 lb (9,5 kg)	21 lb (9,5 kg)
Mounting Position	Foot	Foot

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

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



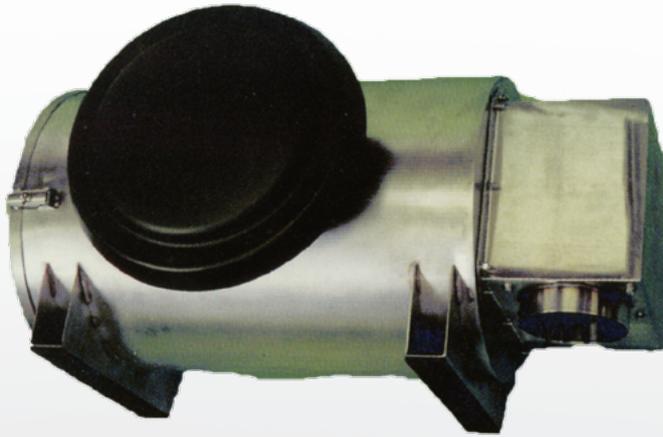
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**Warranty**

- 1-year limited warranty

Bergstrom Electrified



## 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 AC or D/C configurations

## Suggested Applications

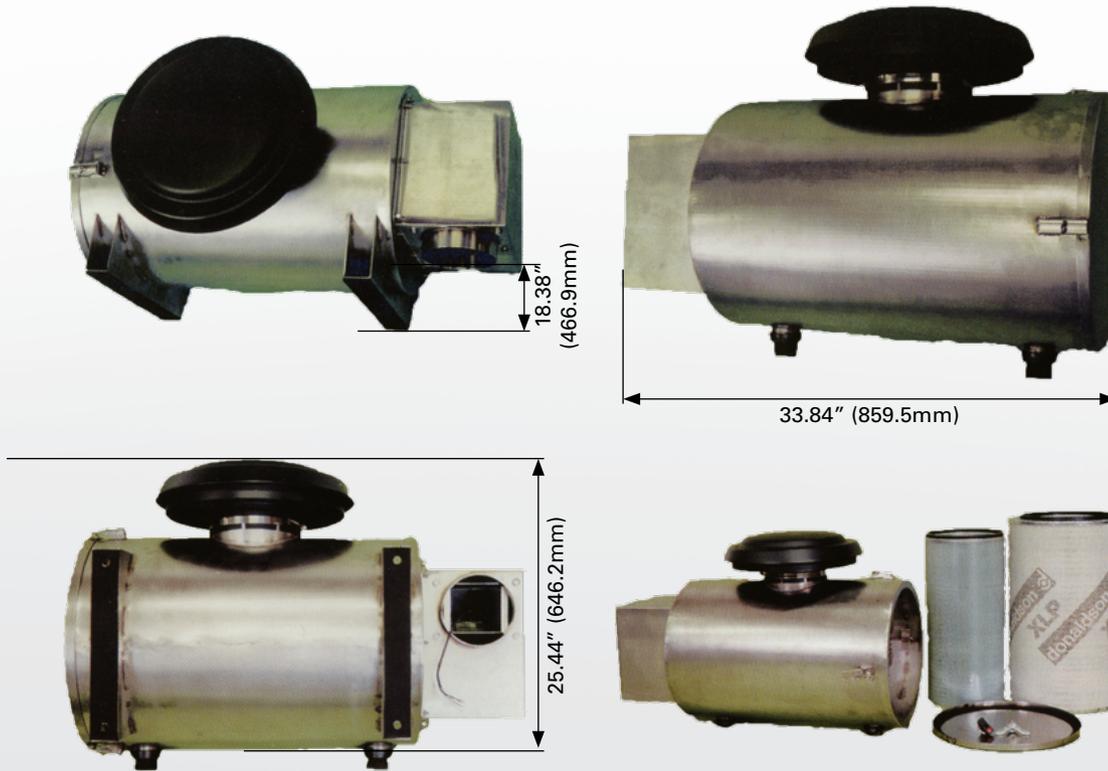


## Technical Specifications

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 lb (40 kg)	88.2 lb (40 kg)
Mounting Position	Foot	Foot

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

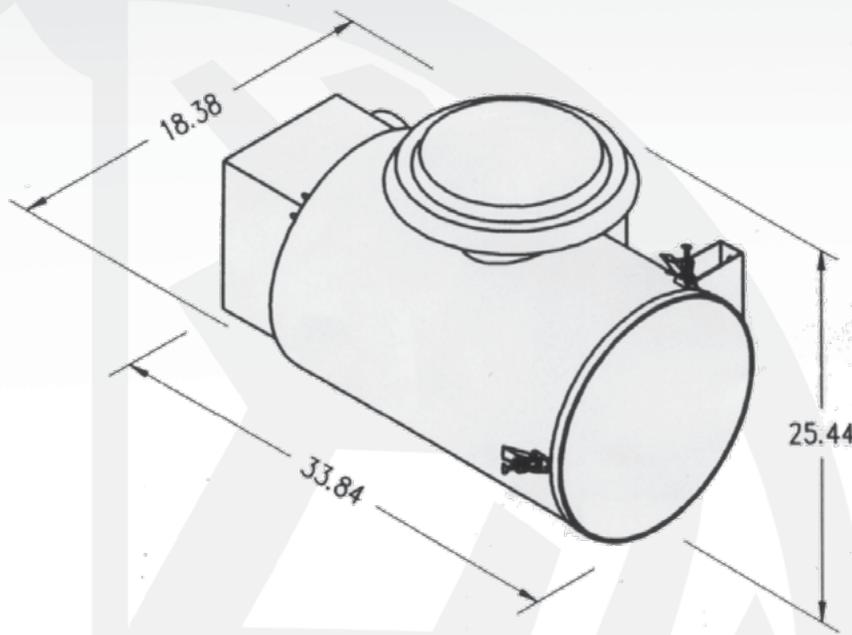
Dimensions layout



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 ---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

Bergstrom Electrified

Line Drawing



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

- 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

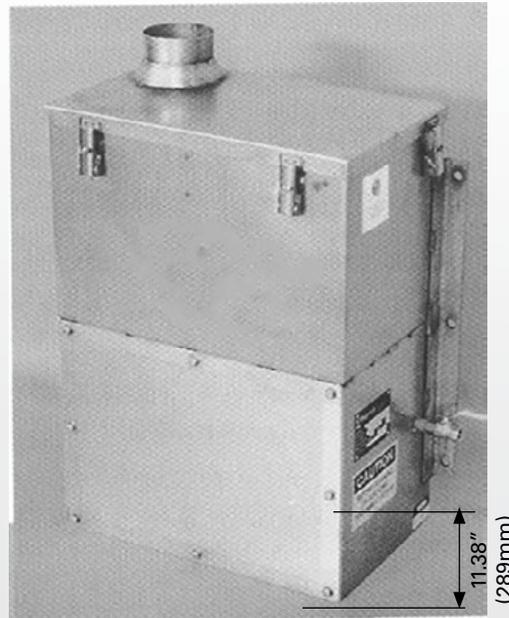
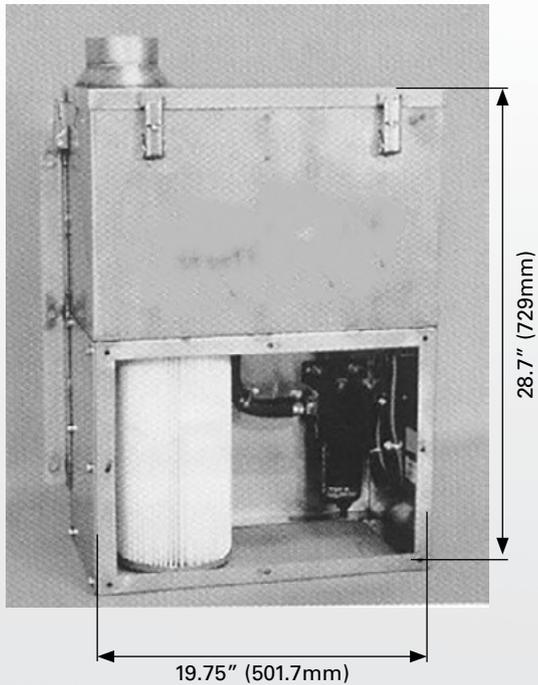


## Technical Specifications

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 m <sup>3</sup> /hr)	365 SCFM (620 m <sup>3</sup> /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 lb (45,5 kg)	100 lb (45,5 kg)
Mounting Position	Wall	Wall

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

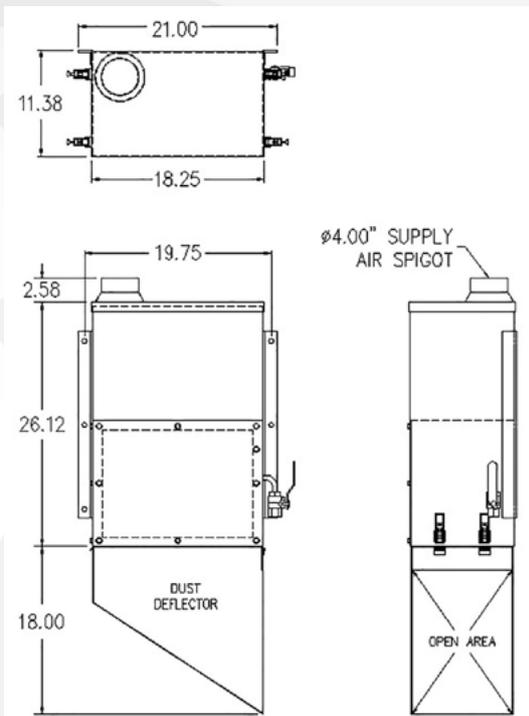
Dimensions layout



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

Bergstrom Electrified

Line Drawing



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 Capacity 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 Capacity 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 m <sup>3</sup> /hr)
Weight	540 lbs	(245 kg)	1300 lbs	(590 kg)	208 lbs	(110 kg)
Compressor Type	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 coling, 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



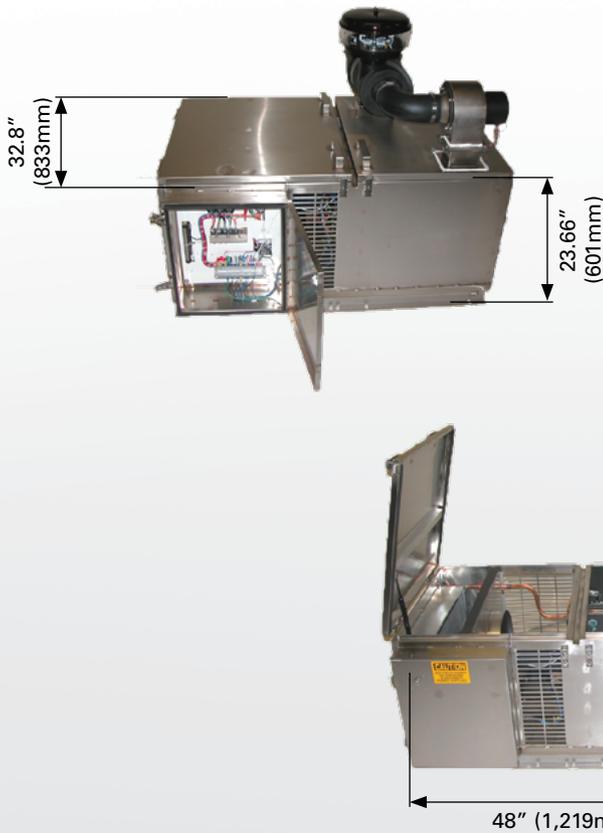
## Technical Specifications

Model	MPV5
Capacity*	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 lb (244,9 kg)
Mounting Position	Rooftop, Walkway or Deck

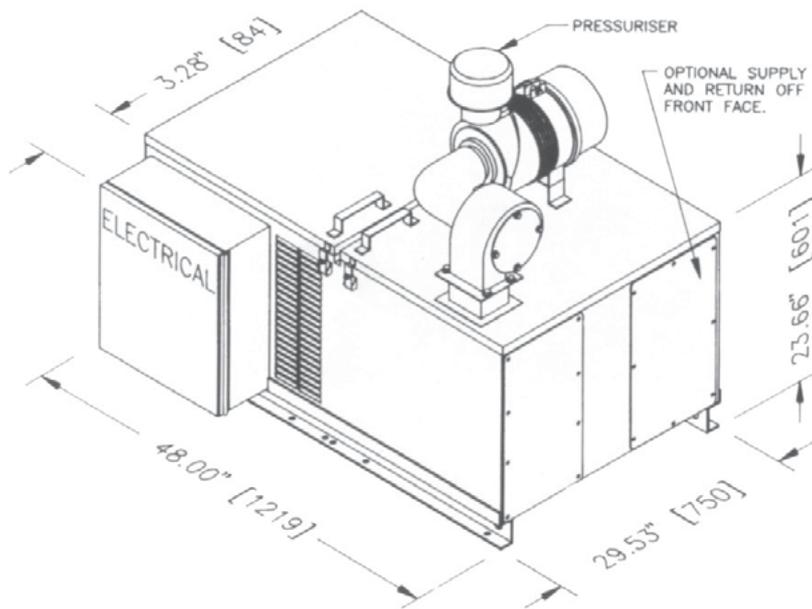
(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### 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.

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

Bergstrom Electrified



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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 Capacity options available

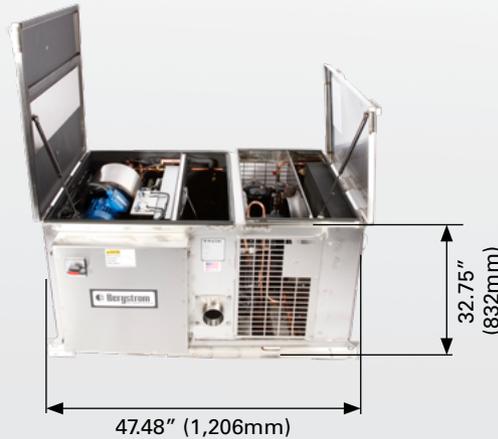
### Technical Specifications

Model	MPV9
Capacity*	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 lb (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.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### 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	110VAC
Motor Protection	Circuit Breaker Thermal Overload
Compressor Capacity Control	None
Condenser Fan	1-Speed
Refrigerant Metering	TXV
Thermostat	Standard
	- Electronic 5-stage

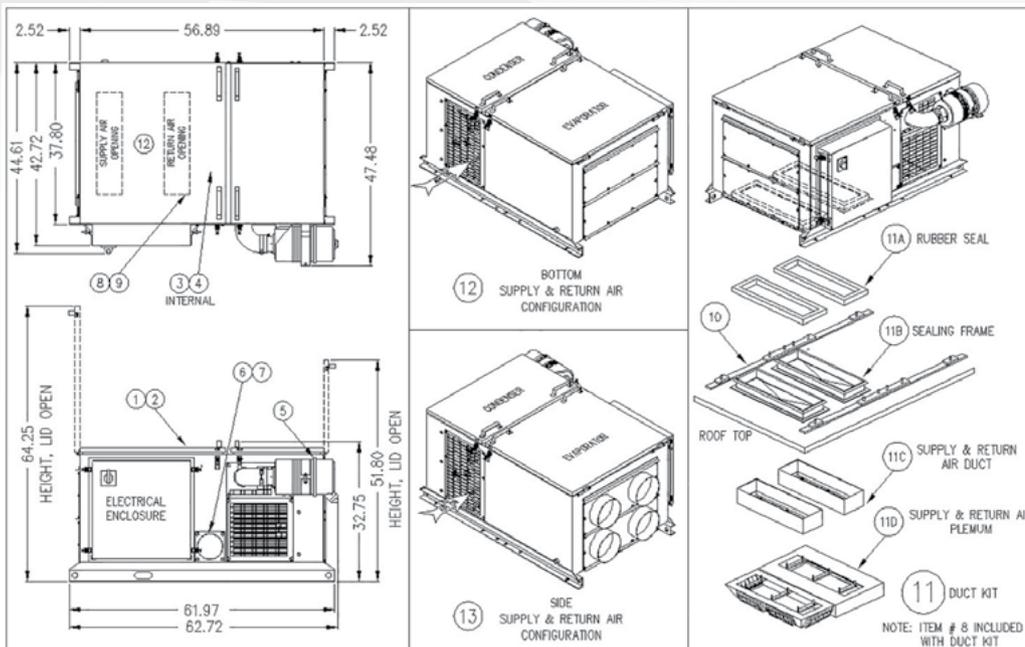
Rating Conditions: Cooling Capacity - Indoor 80°F DB/67°F WB with Outdoor 110°F DB/60°F WB Heating Capacity @ Rated Voltage

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.

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

Bergstrom Electrified

### 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



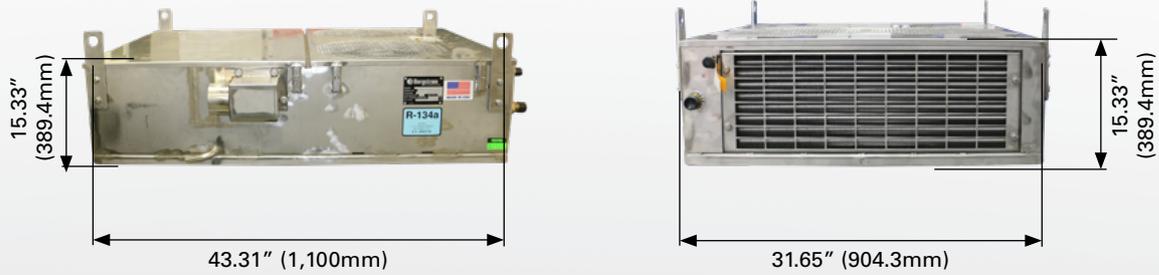
## Technical Specifications

Model	BES2400
Capacity*	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 lb (110 kg)
Mounting Position	Rooftop

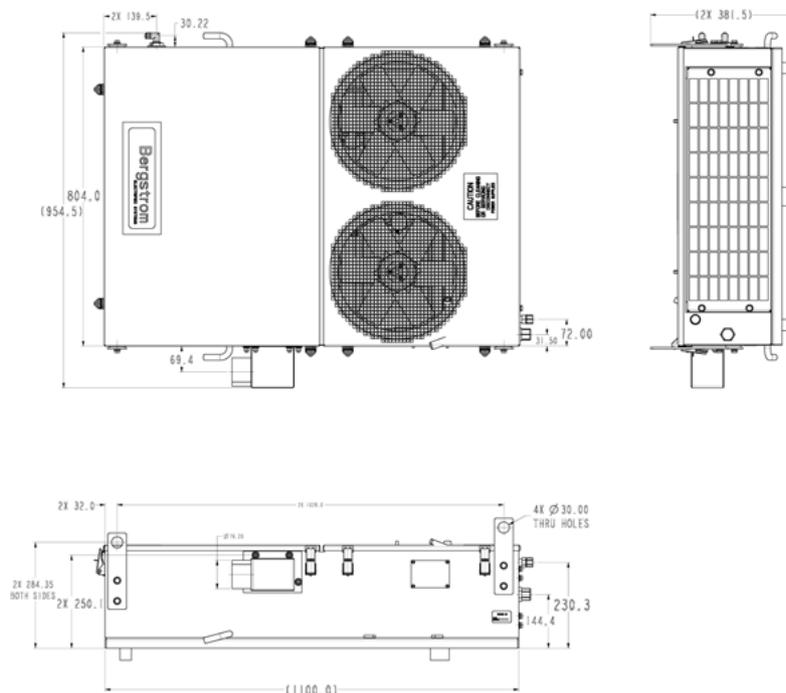
(\*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

## Dimensions layout



## Line Drawing



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### Warranty

- 1-year limited warranty



## Features

- Heavy-duty rooftop mount AC & 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



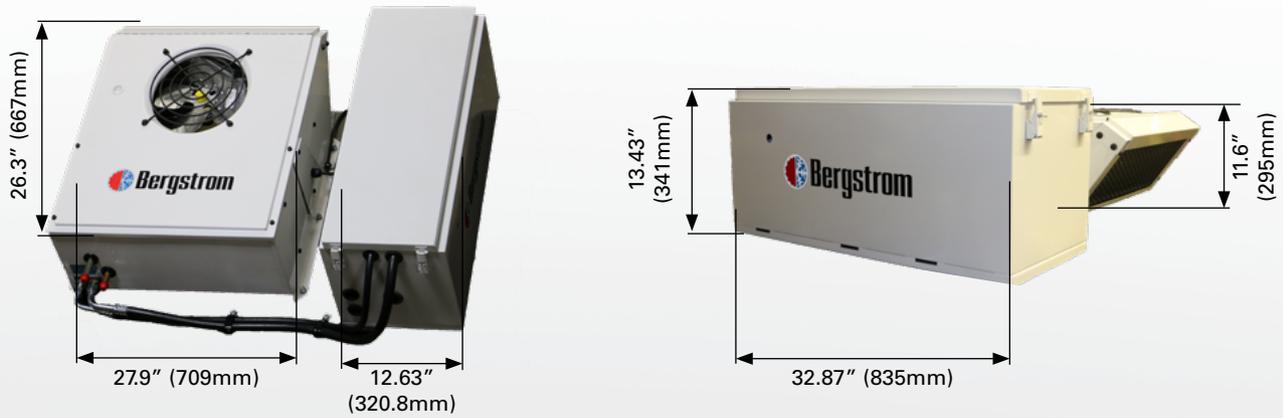
## Technical Specifications

Model	BES2600LH
Capacity*	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)	26.3in x 27.9in x 11.6in (667mm x 709mm x 295mm)
Weight	88 lb (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.

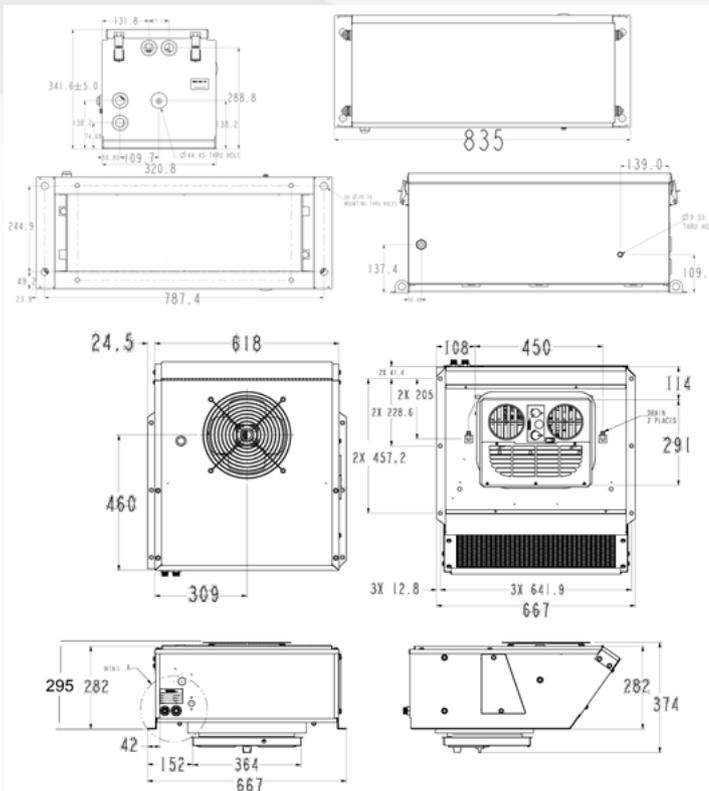
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## Dimensions layout



Bergstrom Electrified

## Line Drawing



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### Warranty

- 1-year limited warranty



## 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
Capacity*	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 lb (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.

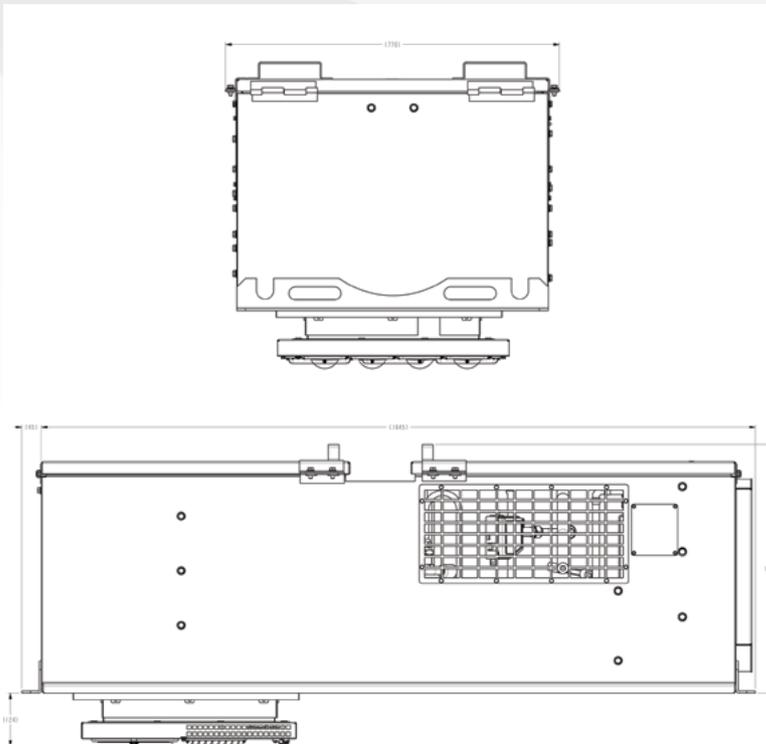
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### Dimensions layout



Bergstrom Electrified

### Line Drawing



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#### Warranty

- 1-year limited warranty

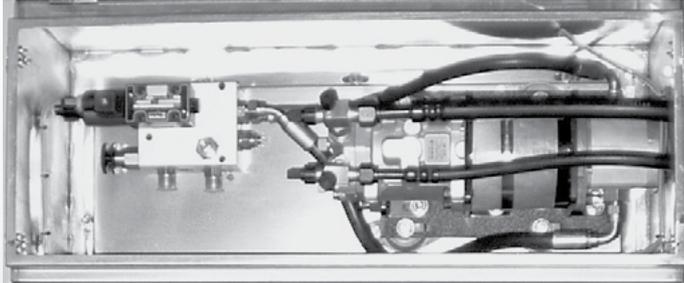


## T-Series

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 Capacity				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



**TDR5**



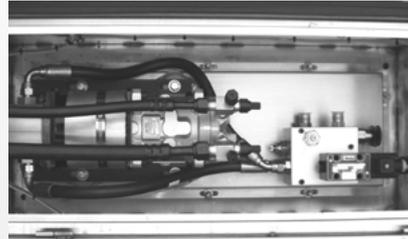
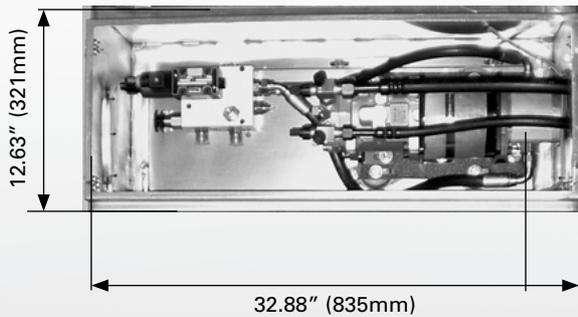
**TPR6**

### Technical Specifications

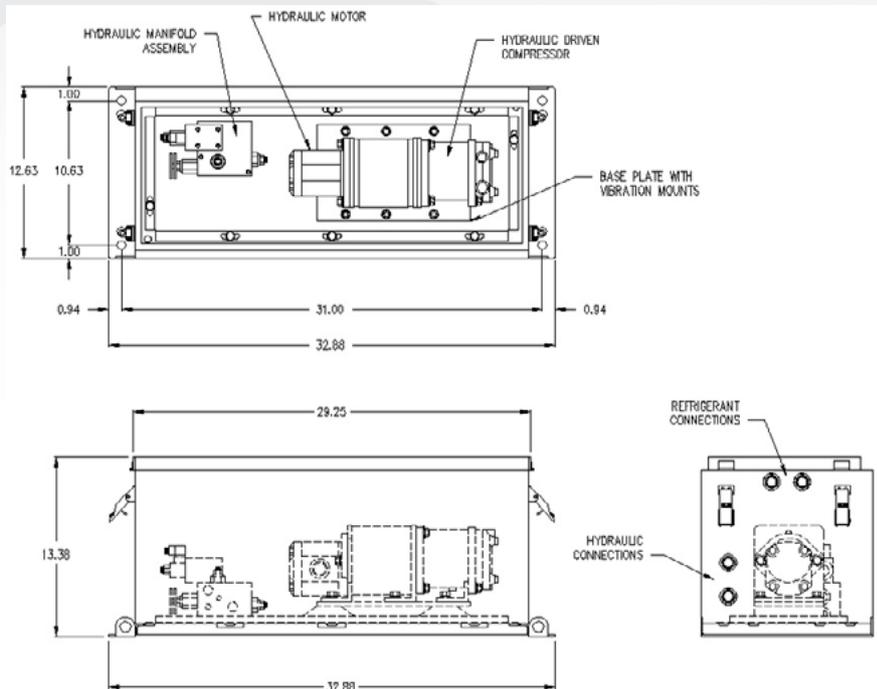
Model	TBV6 12V	TBV6 24V
Voltage	12V	24V
Dimensions (L x W x H)	32.88in x 12.63in x 13.38in (835mm x 321mm x 340mm)	32.88in x 12.63in x 13.38in (835mm x 321mm x 340mm)
Weight	100 lb (45,4 kg)	100 lb (45,4 kg)
Mounting Position	Rooftop or Deck	Rooftop or Deck

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

## 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



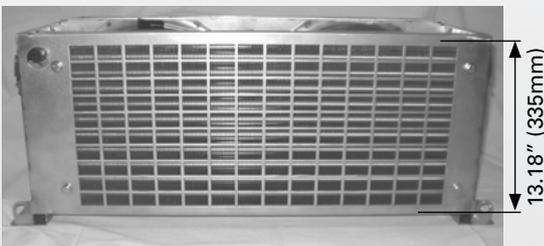
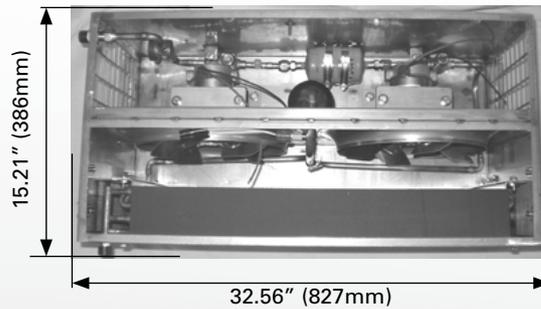
**TPR6**

### Technical Specifications

Model	TCR6 12V	TCR6 24V
Voltage	12V	24V
Capacity	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 m <sup>3</sup> /hr)	2,400 SCFM (4,078 m <sup>3</sup> /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 lb (18,1 kg)	40 lb (18,1 kg)
Mounting Position	Rooftop or Deck	Rooftop or Deck

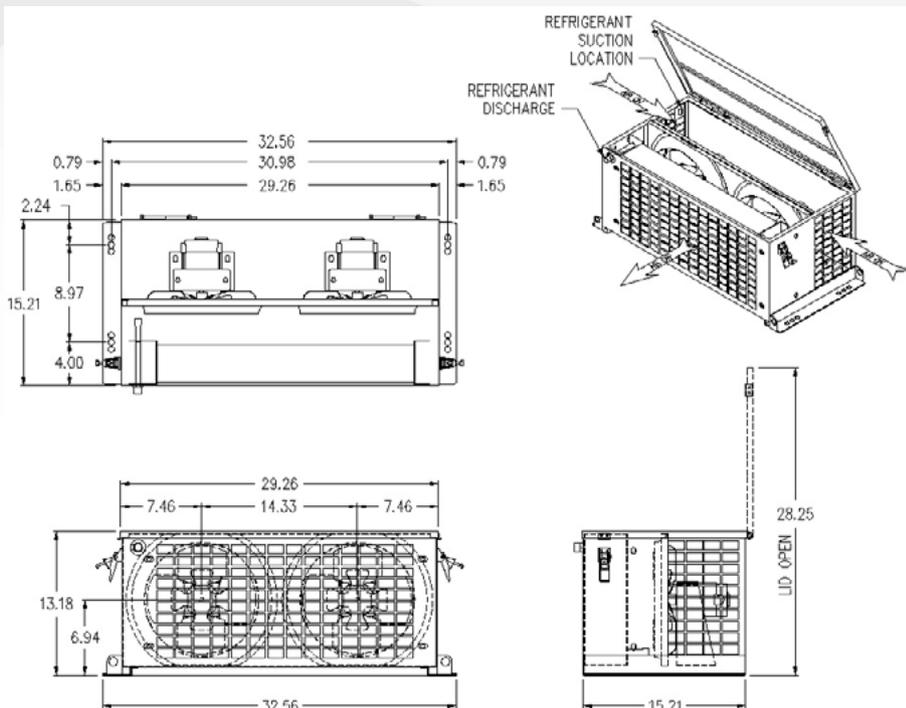
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## Dimensions layout



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## Line Drawing



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### Warranty

- 1-year limited warranty



## Features

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



## Suggested Applications



## Technical Specifications

Model	TDR5 24V
Capacity*	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 m <sup>3</sup> /hr) Medium: 350 SCFM (595 m <sup>3</sup> /hr) Low: 300 SCFM (510 m <sup>3</sup> /hr)
Dimensions (L x W x H)	40.39in x 39.22in x 10.55in (1,026mm x 996mm x 268mm)
Weight	150 lb (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.

Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

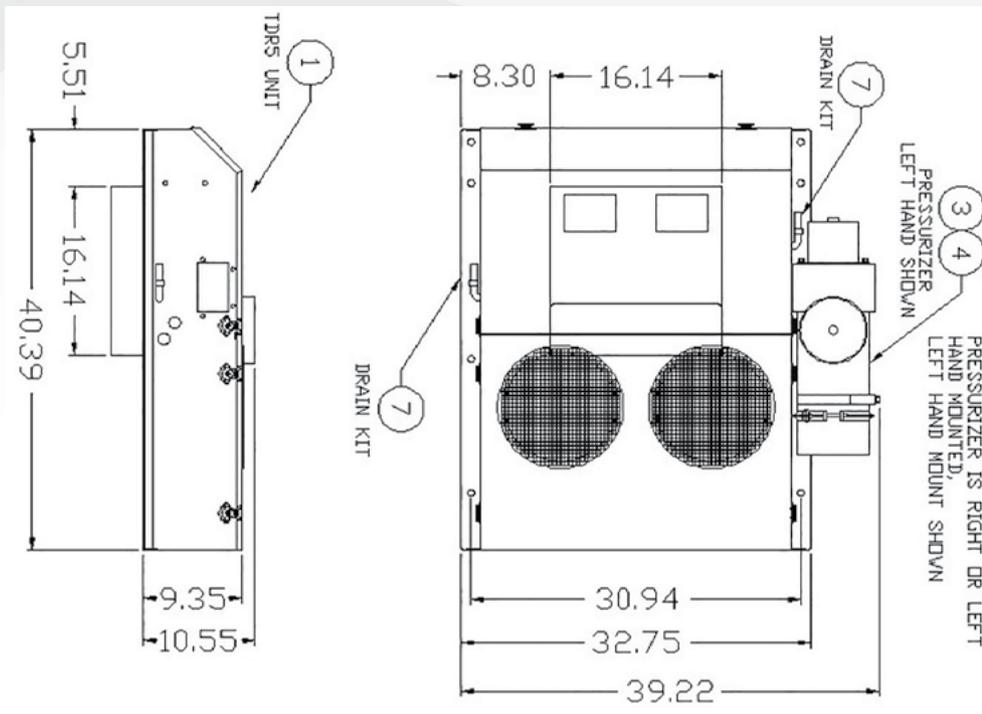
### Dimensions layout



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

Bergstrom Electrified

### 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



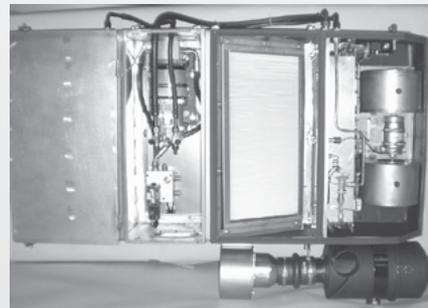
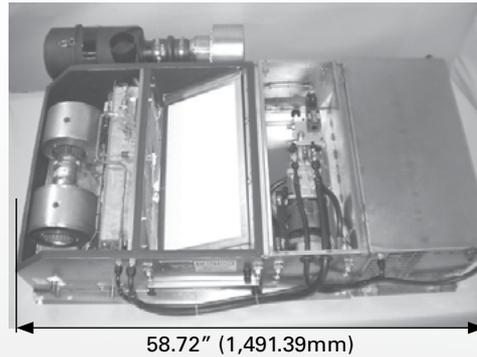
## Technical Specifications

Model	TPR6 24V
Capacity*	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 Capacity	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 lb (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.

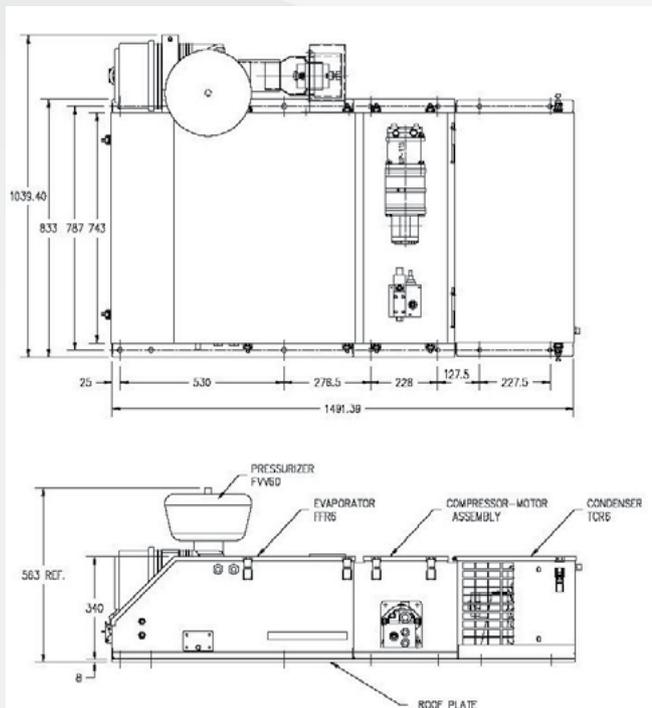
Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### Dimensions layout



Bergstrom Electrified

### 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



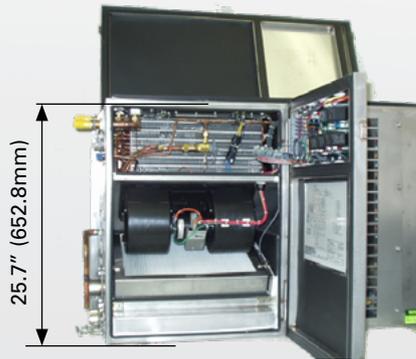
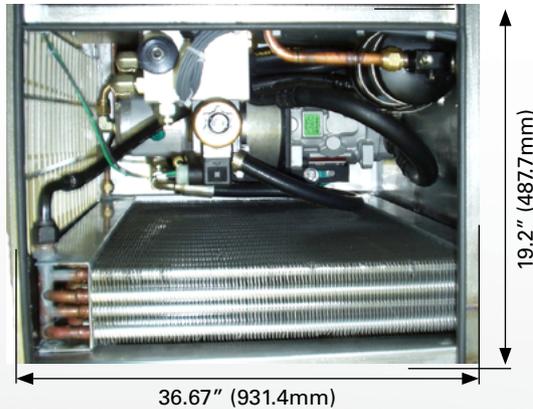
### Technical Specifications

Model	TPW5 24V
Capacity*	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 lb (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.

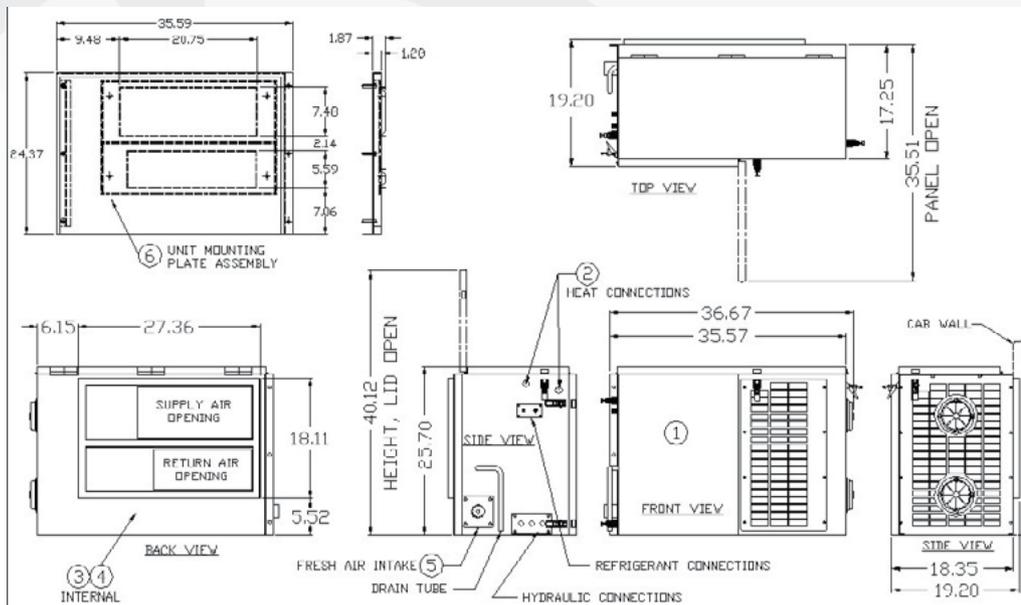
Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

### Dimensions layout



Bergstrom Electrified

### Line Drawing



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#### Warranty

- 1-year limited warranty



# School Bus Systems

<b>Front Bulkhead Evaporator Unit</b>	<b>140</b>
<b>Rear Bulkhead Evaporator Unit</b>	<b>141</b>
<b>Dash Evaporator Unit</b>	<b>142</b>
<b>Midship Evaporator Unit</b>	<b>143</b>
<b>Dual Fan Ceiling Evaporator Unit</b>	<b>144</b>
<b>2-Fan Condenser</b>	<b>145</b>
<b>3-Fan Condenser</b>	<b>146</b>
<b>Bus Service Parts</b>	<b>147</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 School Bus systems have a 3-year warranty.

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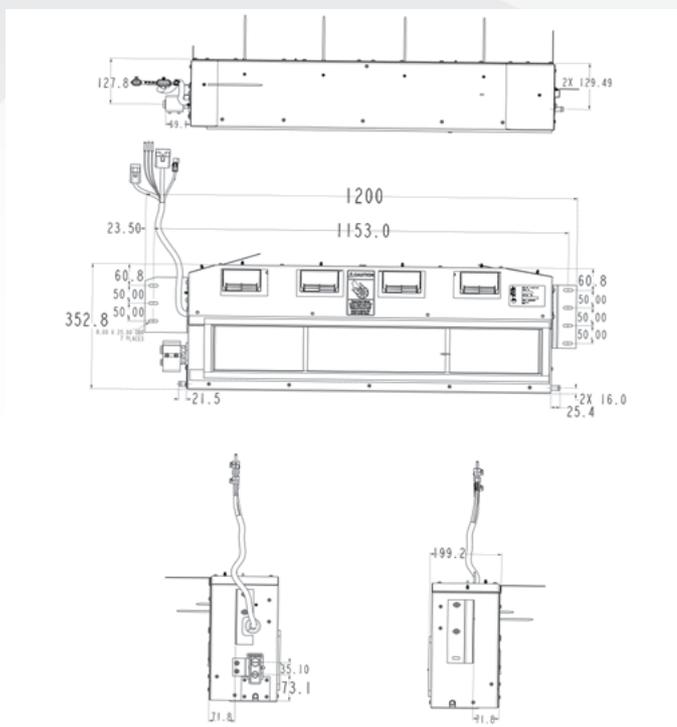
### Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC performance
- Galvanized 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
Capacity	55,000 / 60,000 BTU/hr (16,0 / 17,6 kW)
Amps	25 A/h
Maximum air flow	1,600 CFM (2,718 m <sup>3</sup> /hr)
Dimensions (W x H x D)	39.8 in x 13.82 in x 7.28 in (1011mm x 351mm x 185mm)
Weight	68 lb (30,8 kg)
Mounting Position	In-Wall
Evaporator Part Number	<b>1002637500</b>
Rear Cover Part Number	<b>1001447961</b>

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

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



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### Warranty

- 3-year limited warranty



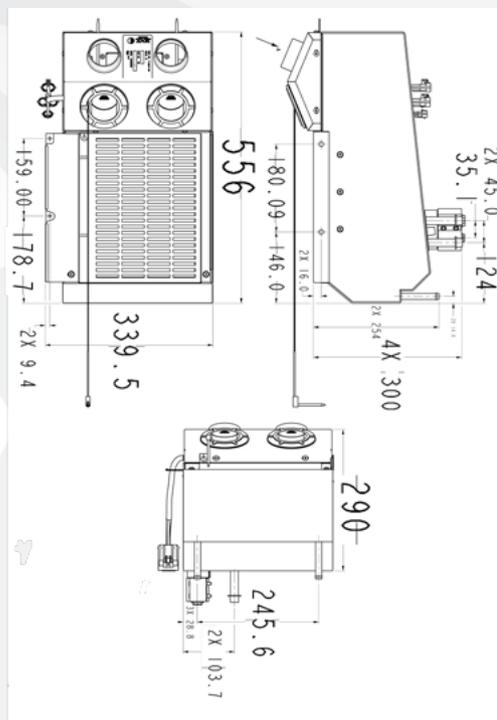
## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC 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
Capacity	26,833 BTU/hr (7,9 kW)
Amps	19.3 A/h
Maximum air flow	323 CFM (549 m <sup>3</sup> /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 lb (30,8 kg)
Mounting Position	Dash

\*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**



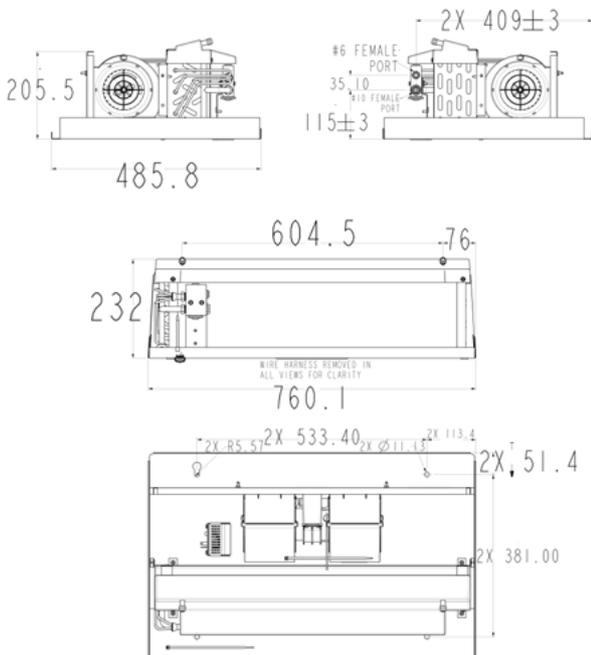
### Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC 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
Capacity	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 lb (13.6 kg)
Mounting Position	Headliner
Midship Cover Part Number	<b>1002382256</b>
Midship 1 Blower Cover Part Number (12 17/32" H)	<b>1002243215</b>
Midship 1 Blower Cover Part Number (12 1/2" H)	<b>1002243216</b>

\*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**



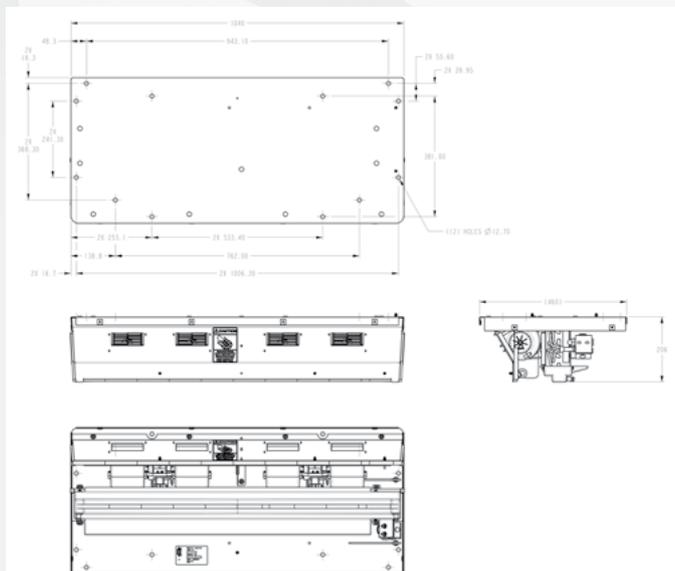
## Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC 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
Capacity	60,000 BTU/hr (17,6 kW)
Amps	15 A/h
Maximum air flow	800 CFM (1,359 m <sup>3</sup> /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 lb (13,6 kg)
Mounting Position	Headliner

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



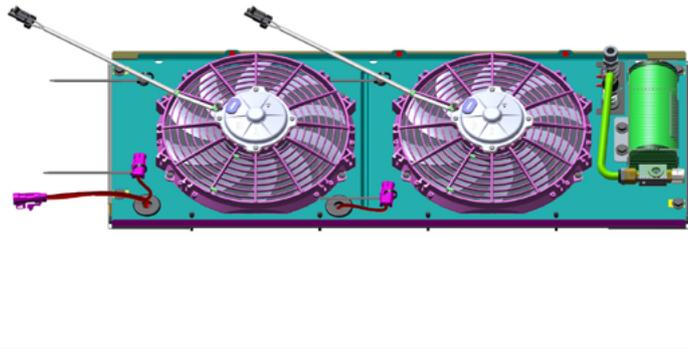
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### Warranty

- 3-year limited warranty

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



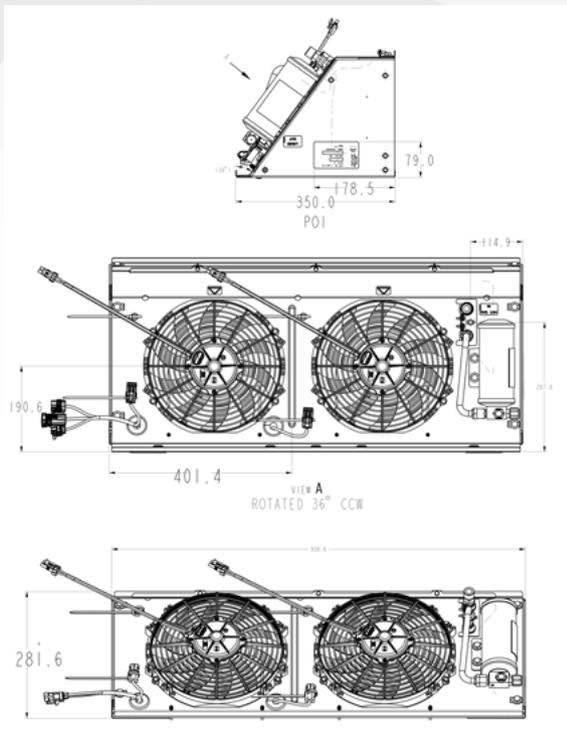
### Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC performance
- Galvanized 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



### 2-Fan Condenser Unit Technical Specifications

Model	2-Fan Condenser
Voltage	12V
Capacity	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)	35.77 in x 11.09 in x 13.78 in (908.6 mm x 281.6 mm x 350.0 mm)
Weight	50 lb (21.8 kg)
Mounting Position	Skirt Mount

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

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



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### Warranty

- 3-year limited warranty



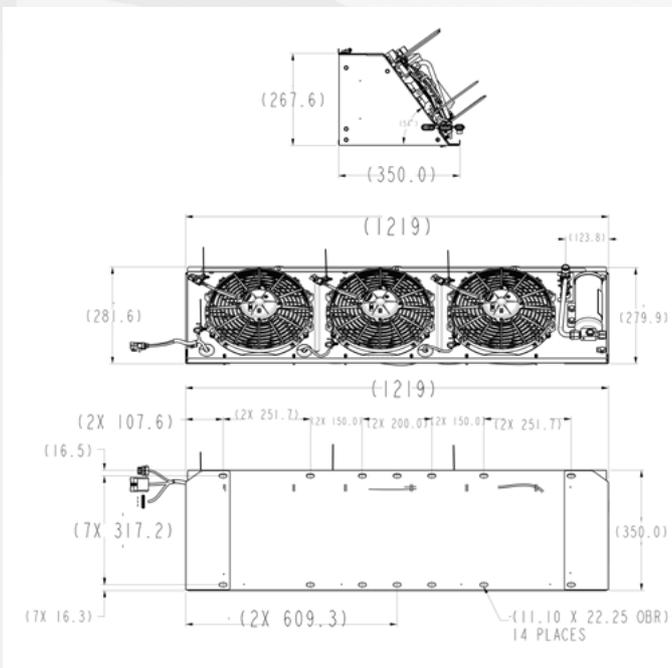
### Features

- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC performance
- Galvanneated 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



### 3-Fan Condenser Unit Technical Specifications

Model	3-Fan Condenser
Voltage	12V
Capacity	76,000 BTU/hr (22,3 kW)
Amps	26.0 A/h
Maximum air flow	1,570 CFM (2,667m <sup>3</sup> /hr)
Dimensions (W x H x D)	47.99 in x 11.09 in x 13.78 in (1219 mm x 281.6 mm x 350 mm)
Weight	67 lb (30.4 kg)
Mounting Position	Skirt Mount
Condenser Part Number	<b>1003008277</b>



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

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### Warranty

- 3-year limited warranty



**Part No: 530794**



Aluminum Tape

**Part No: 550557**



Tube Fitting

**Part No: 560046**



5/8" Gates Blue Strip Hose

**Part No: 560169**



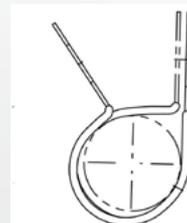
1" Gates Blue Strip Hose

**Part No: 575750**



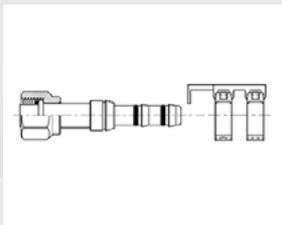
1/2" Drain Hose

**Part No: 630063**



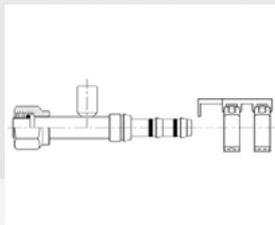
Insulation Cap

**Part No: 1000021585**



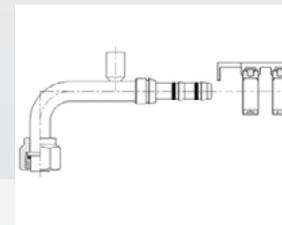
Straight Female No. 8 - No. 10 O-Ring Fitting with Clamp Assembly

**Part No: 1000021925**



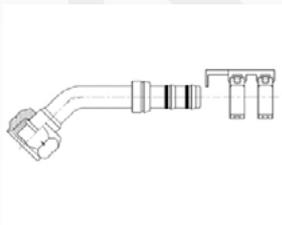
Straight Female No. 8 - No. 10 O-Ring Fitting with Switch or Service Port and Clamp Assembly

**Part No: 1000022508**



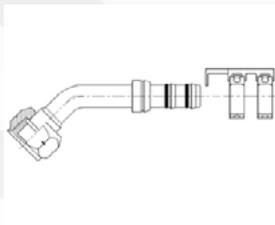
90° Female No. 8 - No. 10 O-Ring Fitting with Switch or Service Port and Clamp Assembly

**Part No: 1000022610**



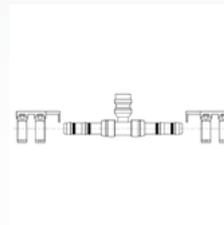
45° Female No. 8 - No. 10 O-Ring Fitting with Clamp Assembly

**Part No: 1000022616**



45° Female No. 10 - No. 12 O-Ring Fitting with Clamp Assembly

**Part No: 1000023984**



Straight Splicer with 13mm Service Port and Clamp Assembly No. 12 Fitting

**Part No: 1000024116**



3-Way T-Splicer No. 12 Fitting with Clamp Assembly

**Part No: 1000036118**



TXV Clamp Plate

**Part No: 1000174254**



White Mega Fuse, 175A

Bus Systems



**Part No: 1000174302**



Hose Guard Grommet, 2.8in

**Part No: 1000902271**



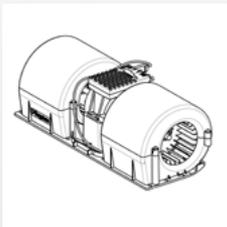
Expansion Valve with Solenoid

**Part No: 1000925120**



2 1/4" Hose Clamp

**Part No: 1001009235**



24V Blower Assembly

**Part No: 1001268625**



1-Speed Rear Fan DPDT Switch

**Part No: 1001269115**



1-Speed Front Fan DPDT Switch

**Part No: 1001269129**



3-Speed Rear Fan SPTT Switch

**Part No: 1001269136**



3-Speed Front Fan SPTT Switch

**Part No: 1001269143**



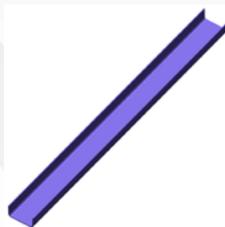
3-Speed Midship Fan SPTT Switch

**Part No: 1001269150**



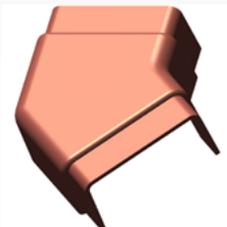
3-Speed Dash Fan SPTT Switch

**Part No: 1001344307**



Panel Duct

**Part No: 1001344423**



Center Panel Duct

**Part No: 1001345204**



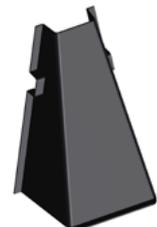
Trim Panel

**Part No: 1001356228**



Valeo Vertical 3/4" x 7/8" Male Inverted O-Ring Cylinder Head Fitting

**Part No: 1001360137**



Hose Floor Cover



**Part No: 1001370182**



No. 12 Splice Fitting with Port

**Part No: 1001370413**



Foil Insulation

**Part No: 1001384829**



Drain Check Hose Assembly

**Part No: 1001384875**



Pan Head Screw, #10-16 x 3/4

**Part No: 1001385394**



1/2" Drain Elbow Fitting

**Part No: 1001385729**



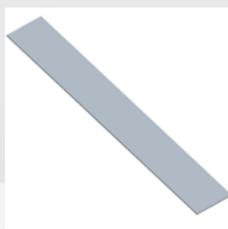
1/2" Drain Tee Fittig

**Part No: 1001385828**



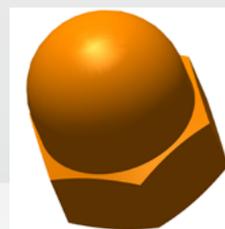
1/2" Drain Splice Fitting

**Part No: 1001386291**



Tape Insulation

**Part No: 1001388232**



Acorn Black Nut, M6

**Part No: 1001396392**



3-Speed Midship Fan DPTT Switch

**Part No: 1001396393**



1-Speed Front Fan DPST Switch

**Part No: 1001396394**



3-Speed Front Fan DPTT Switch

**Part No: 1001396395**



1-Speed Rear Fan DPST Switch

**Part No: 1001396396**



3-Speed Rear Fan DPTT Switch

**Part No: 1001396399**



3-Speed Dash Fan DPTT Switch

Bus Systems



**Part No: 1001397759**



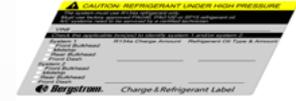
Low Pressure Switch

**Part No: 1001402193**



1/2" Hose Clamp

**Part No: 1001402674**



Bus Refrigerant Sticker

**Part No: 1001404191**



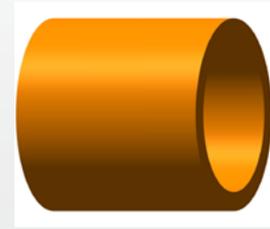
25.4 mm Tee Brass Fitting

**Part No: 1001406901**



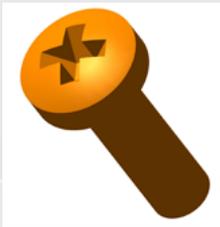
Bus Warranty Document

**Part No: 1001407416**



Sleeve Space for M10

**Part No: 1001408847**



Philip Pan Head Screw, M6-1.0 x 20

**Part No: 1001410556**



Water Valve and Bracket

**Part No: 1001411187**



Drain Hose Cover

**Part No: 1001412708**



LP Switch Harness

**Part No: 1001420498**



MIDI Fuse, 30A

**Part No: 1001420499**



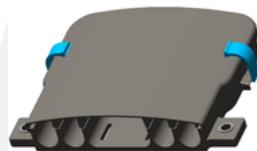
MIDI Fuse, 50A

**Part No: 1001420500**



MIDI Fuse, 80A

**Part No: 1001421323**



Power Distribution and Fuse Holder

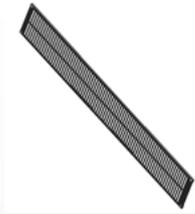
**Part No: 1001426166**



1-Speed Rear and Midship Fan DPST Switch



**Part No: 1001444334**



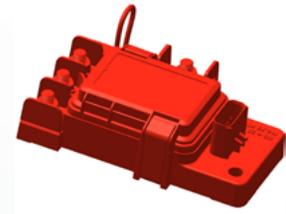
Filter Grille Weldment

**Part No: 1001452271**



Mega SN-Series Fuse Holder

**Part No: 1001452286**



Power Distribution Module

**Part No: 1001497245**



IC Corp Rear Bulkhead Cover

**Part No: 1001509595**



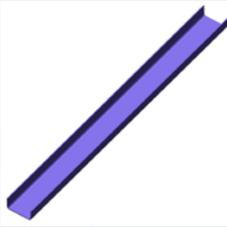
Rectangle Louver

**Part No: 1001549546**



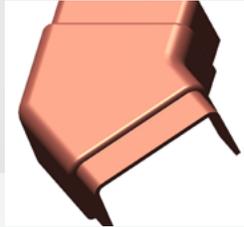
Nylon Snap Bushing

**Part No: 1001574134**



IC Corp Panel Duct

**Part No: 1001574340**



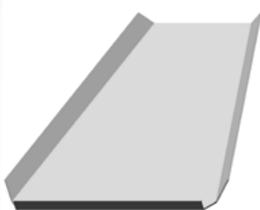
IC Corp Center Panel Duct

**Part No: 1001574350**



IC Corp Drain Hose Cover

**Part No: 1001579532**



IC Corp Rear Plastic Boot Panel

**Part No: 1001579546**



IC Corp Closeout Panel

**Part No: 1001590271**



1-Speed Dash Fan DPDT Switch

**Part No: 1001595686**



Electronic Freeze Switch

**Part No: 1001608733**



Trim Panel Retainer

**Part No: 1001660308**

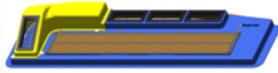


Fan Warning Decal

Bus Systems



**Part No: 1001793977**



IC Corp Front Bulkhead Cover with Driver Duct

**Part No: 1001844394**



45° Male O-Ring No. 6 - No. 8 Fitting with Neoprene O-Ring

**Part No: 1001845014**



45° Male O-Ring No. 12 Fitting with Neoprene O-Ring

**Part No: 1002081323**



3/4" Wire Loom

**Part No: 1002086599**



Seltec/Valeo Style Compressor

**Part No: 1002124900**



No. 10 Splice Fitting with Clamps

**Part No: 1002206104**



Hinged Screw Cover Cap

**Part No: 1002274327**



Pipe Lap Seal Insulation

**Part No: 1002279857**



Bulkhead Control Panel, 5-Relay

**Part No: 1002308804**



White Rooftop Cover

**Part No: 1002346630**



Winter White Rooftop Cover

**Part No: 1002549432**



Freeze Switch Jumper Wire Harness

**Part No: 1002555730**



HVAC - Umbilical Freeze Switch Kit

**Part No: 1002555731**



HVAC - Condenser Jumper Kit

**Part No: 1002755105**



Condenser Wire Harness



**Part No: 1002780424**



Dash Heat Valve Relocation Kit

**Part No: 1003054341**



Front Bulkhead Bracket

**Part No: 1003059074**



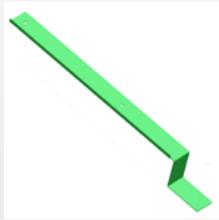
Rear Bulkhead Weldment Assembly Bracket, RH

**Part No: 1003059080**



Rear Bulkhead Weldment Assembly Bracket, LH

**Part No: 1003065966**



Rear Bulkhead Bracket

**Part No: 1003066537**



FRont Bulkhead Bracket

**Part No: 1003066545**



Rear Bulkhead Lower Bracket

**Part No: B290279**



Hose Clamp

**Part No: B290306**



Hose Clip

**Part No: B290312**



Hose Clip

**Part No: B290342**



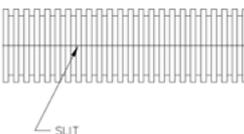
Hose Clamp

**Part No: B300613**



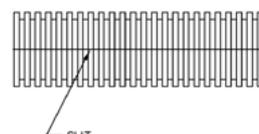
Edge Guard, Bulk

**Part No: B300637**



7/8" Hose Guard

**Part No: B300638**



1" Hose Guard

**Part No: B300642**



7/16" Wire Loom



**Part No: B300648**



Bulk Wire Loom, .25" I.D.

# 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

# 36 CELL SOLAR PANEL

DESCRIPTION

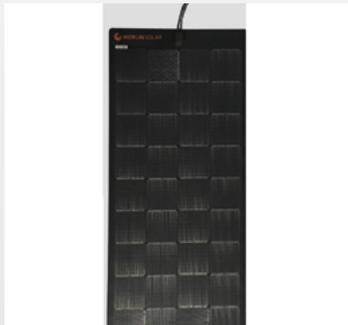
Solar Energy Systems



## 36 Cell Technical Specifications

Part No:	1002766559
Description	85W 5 x 7 Half Cell Panel Solar Module with Optimized 15 amp Charge Controller and Fuse
Dimensions (L x W x T)	35 in x 32 in x 45/64 in (889 mm x 812.8 mm x 17.8 mm)
Notes	35 half cell (5 x 7), 85 watt

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



Part No:	1002759932
Description	165W 4 x 9 Cell Panel Solar Module with Optimized 15 amp Charge Controller and Fuse
Dimensions (L x W x T)	28 in x 62 in x 45/64 in (711.2 mm x 1574.8 mm x 17.8 mm)
Notes	36 cell (4 x 9), 165 watt

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

## 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





### 48 Cell Technical Specifications

Part No:	<b>1002766560</b>
Description	3 x 80W 2 x 8 Cell Panel Solar Module Kit with Optimized 30 amp Charge Controller and Fuse
Dimensions (L x W x T)	15 in x 60 in x 45/64 in (381 mm x 1524 mm x 17.8 mm)
Notes	16 cell (2 x 8) per panel, 3 x 80 watt

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

### 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



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### Warranty

- 5-year limited warranty

### Suggested Applications



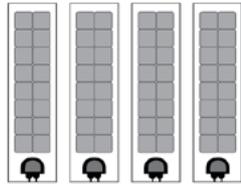


NAME

# 64 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 64 Cell Technical Specifications

Part No:	<b>1002766561</b>
Description	320W (80W 2 x 8 Cell Panel) Solar Module with Optimized 30 amp Charge Controller and Fuse
Dimensions (L x W x T)	15 in x 60 in x 45/64 in (381 mm x 1524 mm x 17.8 mm)
Notes	16 cell (2 x 8) per panel, 4 x 80 watt

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

## 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

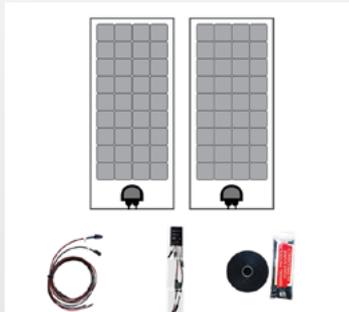
Solar Energy Systems



## 72 Cell Technical Specifications

Part No:	1002766562
Description	330W 6 x 12 Cell Panel Solar Module with Optimized 30 amp Charge Controller and Fuse
Dimensions (L x W x T)	78 in x 43 in x 45/64 in (1981.2 mm x 1092.2 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:	1002766563
Description	330W (2 x 165W 4 x 9 Cell Panel) Solar Module with Optimized 30 amp Charge Controller and Fuse
Dimensions (L x W x T)	28 in x 62 in x 45/64 in (711.2 mm x 1574.8 mm x 17.8 mm)
Notes	36 cell (4 x 9) per panel, 2 x 165 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

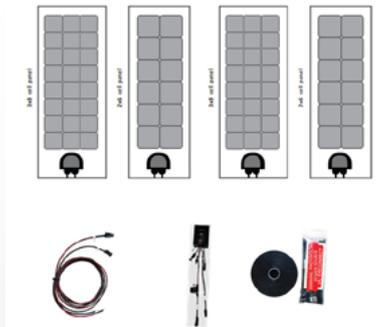


NAME

# 72 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



## 72 Cell Technical Specifications

Part No:	<b>1002766565</b>
Description	3360W (2 x 60W 2 x 6 Cell Panel & 2 x 120W 3 x 8 Cell Panel) Solar Module with Optimized 30 amp Charge Controller and Fuse
Dimensions (L x W x T)	22 in x 60 in x 45/64 in & 15 in x 40 in x 45/64 in (558.8 mm x 1524 mm x 17.8 mm & 381 mm x 1016 mm x 17.8 mm)
Notes	12 cell (2 x 6) per panel, 2 x 60 watt & 24 cell (3 x 8) per panel, 2 x 120W

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





### 96 Cell Technical Specifications



Part No:	<b>1002766566</b>
Description	440W (4 x 110W 2 x 12 Cell Panels) Solar Module Kit with Optimized 30 amp Charge Controller and Fuse
Voltage	12V
Dimensions (L x W x T)	15 in x 80 in x 45/64 in (381 mm x 2032 mm x 17.8 mm)
Notes	24 cell (2 x 12) per panel, 4 x 440 watt

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

Solar Energy Systems

### 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



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### Warranty

- 5-year limited warranty



### 144 Cell Technical Specifications



<b>Part No:</b>	<b>1002513539</b>
<b>Description</b>	6600W (3 x 220W 4 x 12 Cell Panels) Solar Module Kit with Optimized Charge Controller
<b>Dimensions (L x W x T)</b>	27 in x 80 in x 45/64 in (685.8 mm x 2032 mm x 17.8 mm)
<b>Notes</b>	48 cell (4 x 12) per panel, 3 x 220 watt

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

### Features

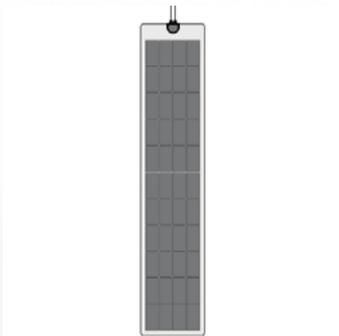
- 72 series connected, high efficiency, Merlin solar cells optimize panel performance
- Merlin technology yields higher energy & increased durability
- Low weight, non-penetrating mounting solutions take advantage of the lightweight module characteristics
- Superior low-sun angle and low light performance 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



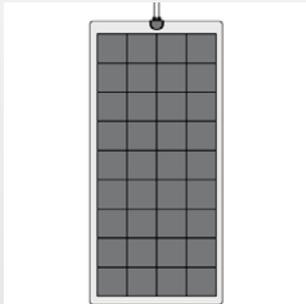


### Lift Gate Technical Specifications



<b>Part No:</b>	<b>1002839530</b>
<b>Description</b>	105W panel and a Charge Controller, 8AWG Battery Cable, 12AWG Home Run Cable
<b>Voltage</b>	12V
<b>Dimensions (L x W x T)</b>	14.8 in x 73.4 in x 45/64 in (376 mm x 1871 mm x 17.8 mm)
<b>Notes</b>	44 half cell (4 x 11) per panel, 105 watt

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



<b>Part No:</b>	<b>1002839531</b>
<b>Description</b>	170W panel and a Charge Controller, 8AWG Battery Cable, 12AWG Home Run Cable
<b>Dimensions (L x W x T)</b>	27 in x 61.3 in x 45/64 in (690 mm x 1556 mm x 17.8 mm)
<b>Notes</b>	36 cell (4 x 9) per panel, 170 watt

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

### Features

- 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

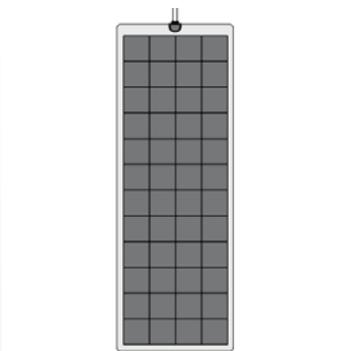


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### Warranty

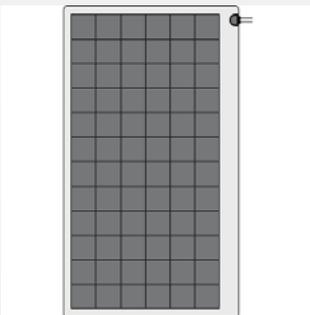
- 5-year limited warranty



### Lift Gate Technical Specifications

<b>Part No:</b>	<b>1002839532</b>
<b>Description</b>	230W panel and a Charge Controller, 8AWG Battery Cable, 12AWG Home Run Cable
<b>Dimensions (L x W x T)</b>	26.9 in x 79.8 in x 45/64 in (683 mm x 2029 mm x 17.8 mm)
<b>Notes</b>	48 cell (4 x 12) per panel, 230 watt

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



<b>Part No:</b>	<b>1002839533</b>
<b>Description</b>	340W panel and a Charge Controller, 8AWG Battery Cable, 12AWG Home Run Cable
<b>Dimensions (L x W x T)</b>	43.7 in x 78.4 in x 45/64 in (1109 mm x 1992 mm x 17.8 mm)
<b>Notes</b>	72 cell (6 x 12), 340 watt

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

### Features

- 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



# UVC Air Filter 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.

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## Features

- Long life (10,000 hours - approx. 5 years at 40 hours a week at 52 weeks each year).
- Anit-vibration: no fragile tubes.
- Does not give off any ozone gasses.
- Environmentally friendly without toxic mercury or mercury compliance concerns.
- Instant on, no warm up time.
- Thermal pullback to help protect high ambient temperature (max 65°C).
- Indicator light.

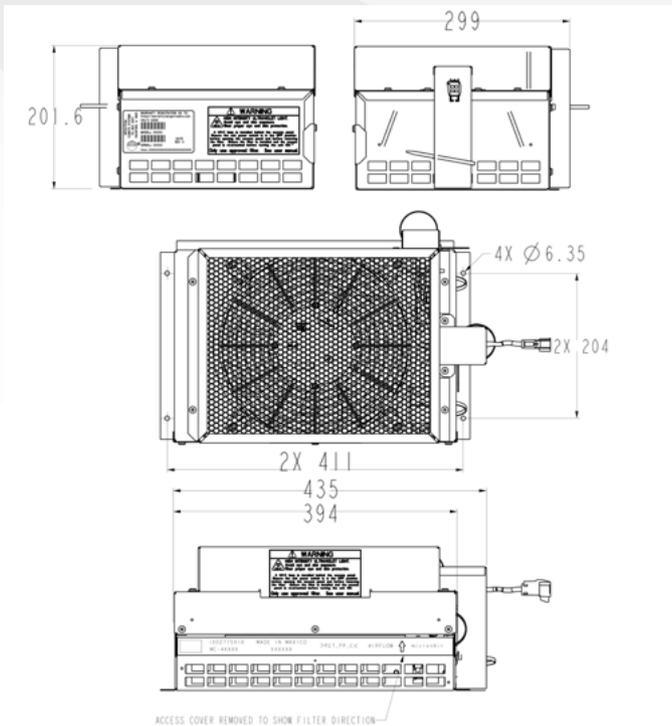
## Benifits

- Neutralizes pathogens in the air on the first pass through the system.
- Continuous filtration recirculates clean air and helps prevent settling on surfaces.

## Suggested Applications



## Line Drawing

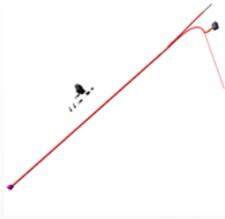


## Underseat Technical Specifications

Model	Dash
Voltage	12V
Amps	7 A/h
Maximum air flow	250 CFM (424.8 m <sup>3</sup> /hr)
Dimensions (W x H x D)	15.51 in. x 11.77 in. x 7.94 in. 394 mm x 299 mm x 201.6 mm
Weight	13.7 lb (6,2 kg)
Mounting Position	Underseat
Part Number	<b>1003088137</b>



**Part No: 1003091375**



UVC Air Filter Installation Kit, IC Bus

**Part No: 1003097759**



UVC Air Filter Installation Kit, Blue Bird and Thomas Bus

UVC Air Filter Systems



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**Warranty**

- 3-year limited warranty





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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.



### 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

Password

Login problems? [Email Support](#)

#### 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 Aftermarket Systems

1-year warranty,

### Bergstrom Electrified Systems (BES)

1-year warranty

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

3-year warranty

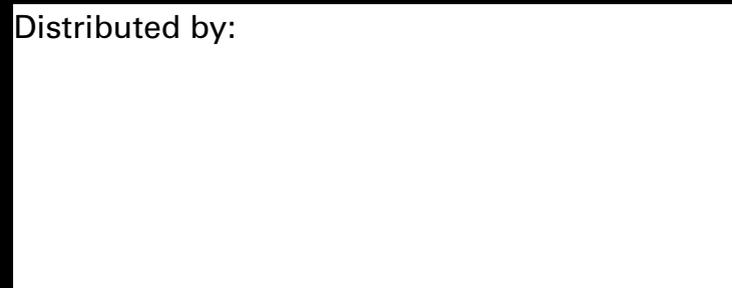
### Bergstrom Solar Systems

5-year warranty

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



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**SIXTH EDITION**



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