

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		Airport Vehicles (Ground Support)
	Ambulances		Armored Vehicles
	Box Trucks		Cargo Handling Vehicles (Container and Port Vehicles)
	Construction Vehicles		Delivery Trucks/Vans
	Fire Trucks		Foundry
	Garbage Trucks		Golf Carts
	Heavy-Duty Vehicles		Hi-Lo (Forklifts)
	Logging Vehicles		Military Vehicles
	Mining Vehicles		Off-Road Vehicles
	Off-Shore Drilling		School Buses
	Semi Truck (Class 8)		Shuttle Buses
	Street Sweepers		Swat Vehicles
	SUV 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.

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System	Power																										
No-Idle Systems																											
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																		
Battery-Operated Systems																											
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								
Rooftop																											
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										
Headliner																											
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	
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	
Pascal AC	12V / 24V: 13,650 BTU/hr (4,0 kW)	X		X				X		X				X	X			X					X				
Backwall																											
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	
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	
Condensers																											
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	
KC-500	12V / 24V: 30,000 BTU/hr (8,8 kW)	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								

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eProduct 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 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 m³/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

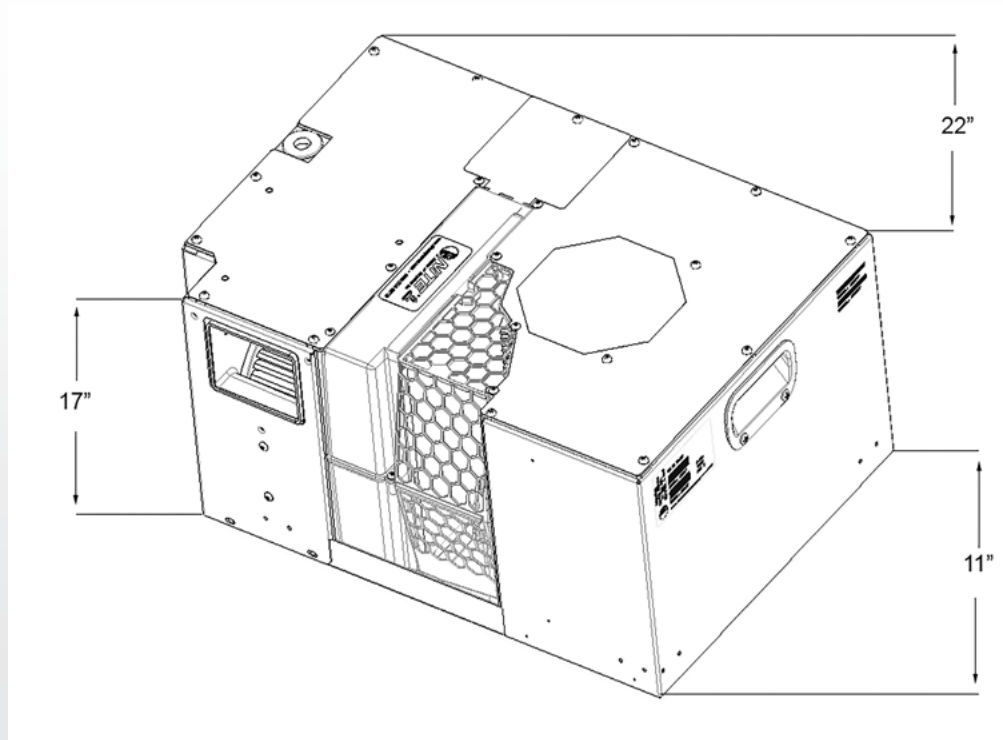
*Overall system weight will vary dependent on installation kit used, batteries and battery box options.

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



LCD Display

NITE® Phoenix Order Guide

Part*	Part Number	Notes
Unit Part Number	1001330451 1001826308 1001330466	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	1001016645	12V
Temperature Sensor Kit	1000234569	12V
Filter (259 x 215 x 127)	1000183201	12V
Relay with Resistor	1000611575	12V

* For the 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

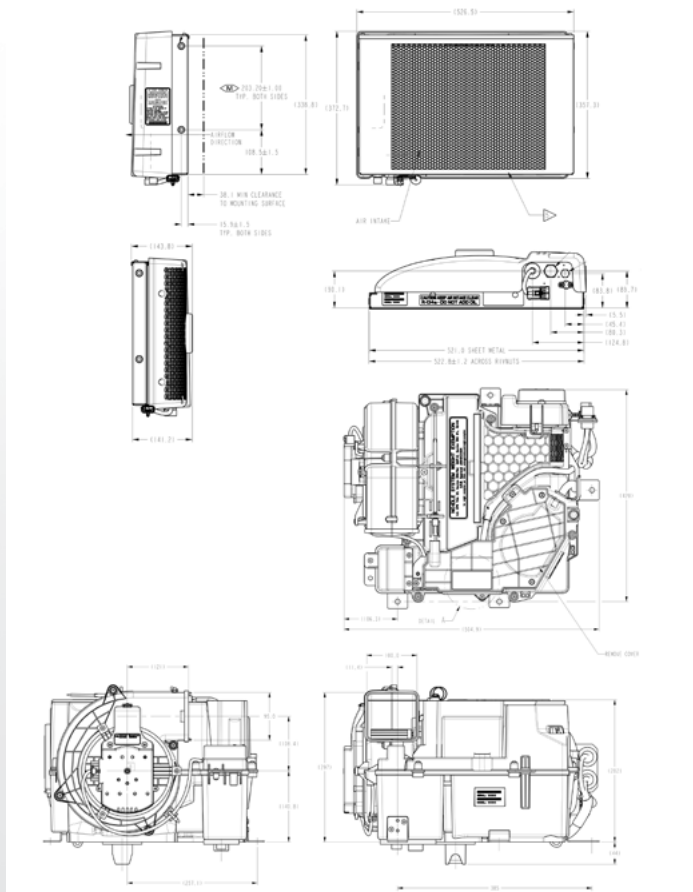
Model	NITE Phoenix 12V
Voltage	12V
Capacity	7,500 BTU/hr (2,2 kW)
Amps	25 A/h - 65 Ah
Maximum air flow	280 SCFM (425 m³/hr)
Dimensions Evaporator (W x H x D)	19.9in x 17.1in x 12.3in (505mm x 434mm x 312mm)
Dimensions Condenser (W x H x D)	20.7in x 5.7in x 14.1in (527mm x 144mm x 357mm)
Weight*	60 lb (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	1001447917 1001443378	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	1002893213	12V
Evaporator Blower Service Kit Assembly	1001016645	12V
Temperature Sensor Kit	1000234569	12V
Filter (259 x 215 x 127)	1000183201	12V
Relay with Resistor	1000611575	12V
NITE SSI Internal Evaporator Assembly	1002236489	12V

* For thvce parts lists, please visit/. Reference updated on a continuous basis and are subject to change without

these parts lists before ordering as they are 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 ³ /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

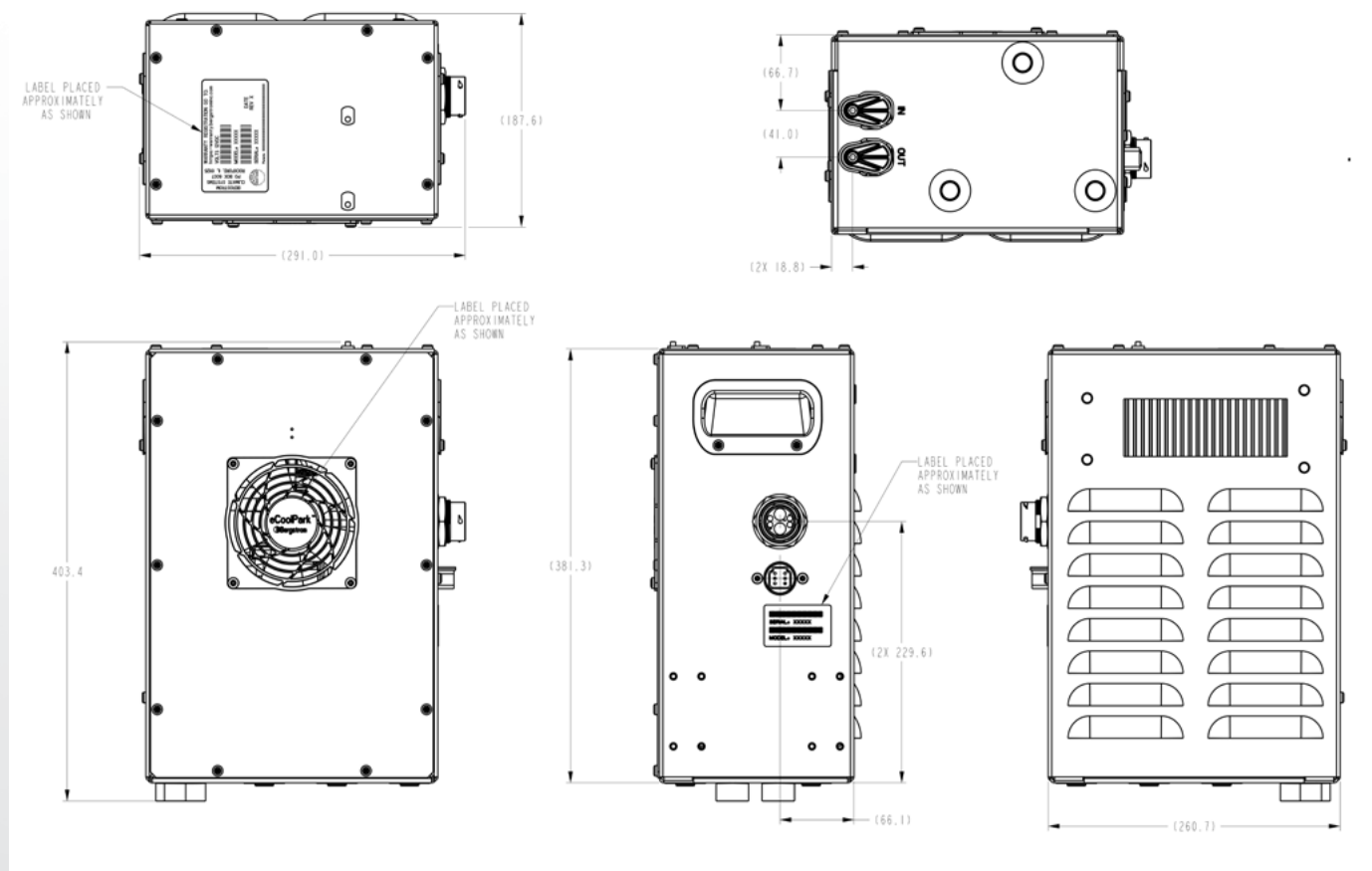
*Overall system weight will vary dependent on installation kit used, batteries and battery box options.

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



eCoolPark™ 1.0 Order Guide

Part*	Part Number	Notes
Unit Part Number	1002416180	AC Only
Installation Kit	1002631356	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



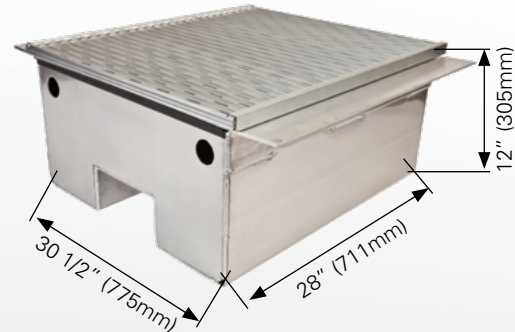
Aluminum or steel we've got you covered. The perfect storage for your NITE auxiliary batteries

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

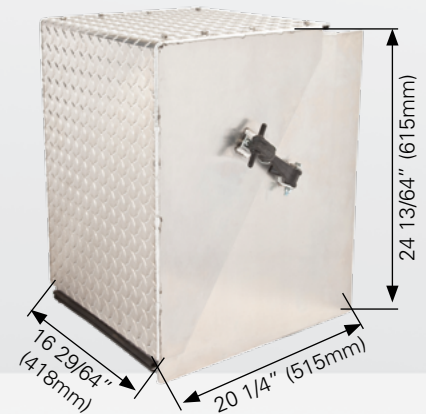


Aluminum 4 Battery Vertical Clamp On Battery Box

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

48 lb (21.8 kg)

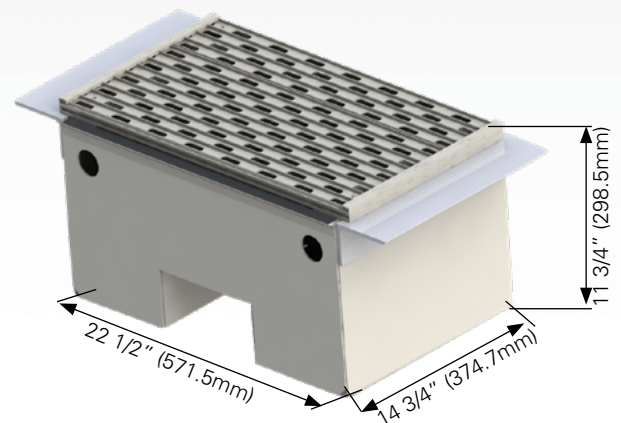
Part Number 1000163931



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



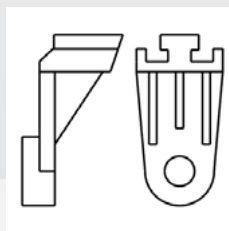
Blower Bottom Gasket

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



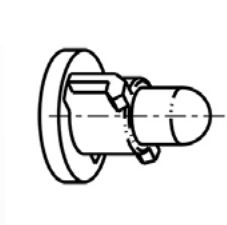
Knob-To-Shaft Fastener (must order in increments of 10)

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



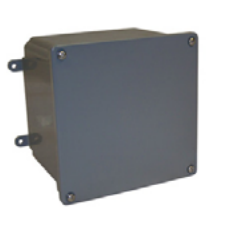
NITE Stealth Duct

Part No: 100007618



NITE Blower Scroll Shroud

Part No: 1000049325



NITE Electrical Enclosure

Part No: 1000063838



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



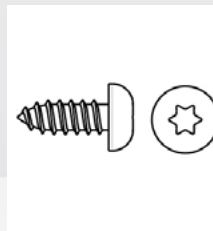
NITE Assembly Duct

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



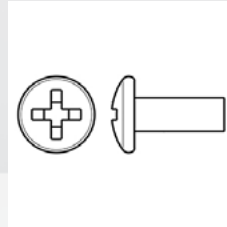
Trojan Battery 4-Pack

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

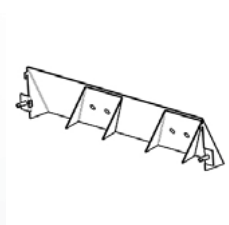
Part No: 1000571136



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



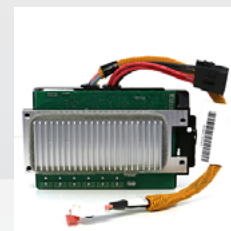
5-Way Male Connector

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

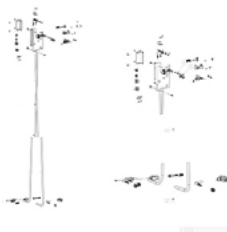

NITE SSI Installation Kit for Mack Anthem

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



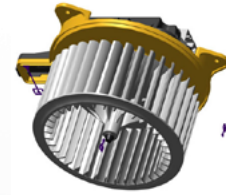
NITE SSI Battery Management System

Part No: 1002631357



eCoolPark 1.5 Universal Kit

Part No: 1002646551



NITE DTNA Blower Assembly

Part No: B200115



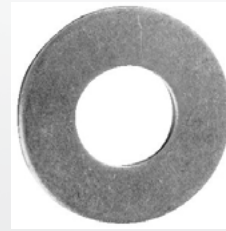
Pan Head Tap Polys Screw, No. 6 X 375 (must order in increments of 25)

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



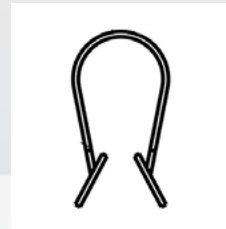
Fuse Holder

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

NOTES:

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Bergstrom®

Battery-Operated Rooftop Systems

Integral Power Manual

24

Battery-Operated Rooftop

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.

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

- 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 m³/hr)	182 SCFM (310 m³/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

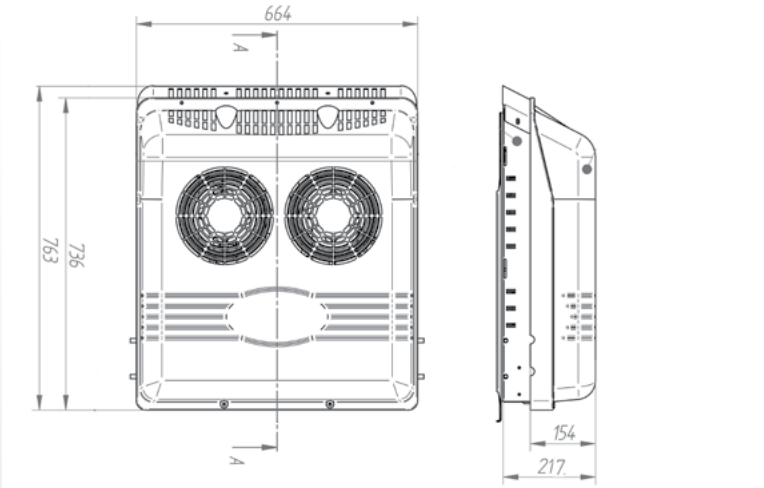
(*) System output (BTU/hr) is based on system component-calculated capacities in accordance with JIS standard test conditions: outside temperature 95°F (35°C), return temperature 80°F (27°C).

(**) 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** = upsize by 75 A/h / **24V** = upsize by 60 A/h

Line Drawing



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 incld with th ystem.



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Warranty

- 1-year limited warranty

NOTES:

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



Engine-Driven Rooftop Systems

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

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

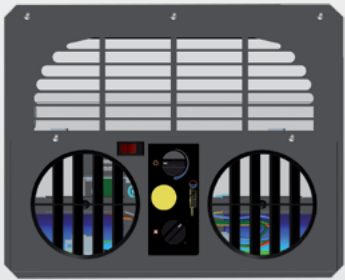
Suggested Applications



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

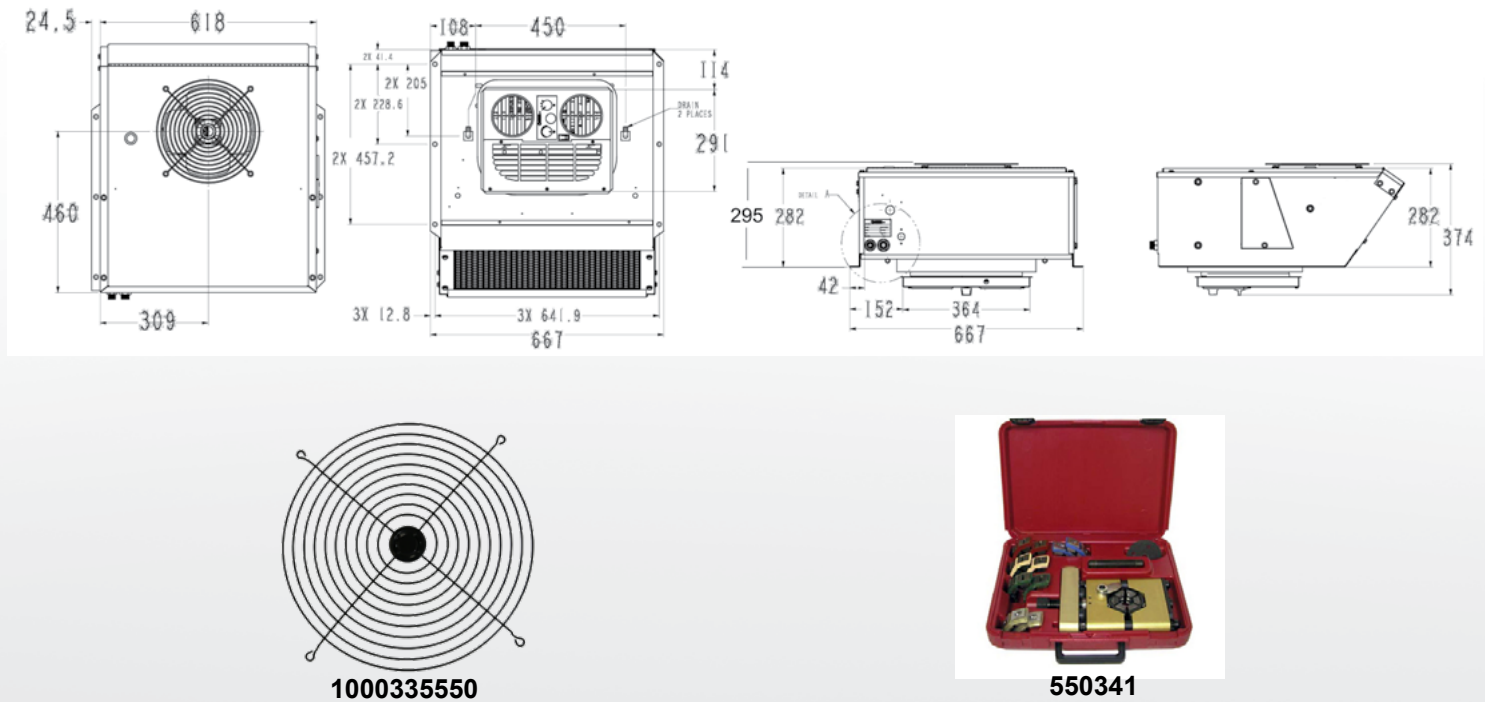


Technical Specifications

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 m³/hr) Fan: 750 SCFM (1,275 m³/hr)	HVAC Blower: 315 SCFM (1,275 m³/hr) Fan: 750 SCFM (1,275 m³/hr)
Dimensions (L x W x H)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)
Weight	85.1 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



HD-1000 System Order Guide

Part	Part Number	Notes
Unit Part Number*	1001203446	12V
	1001203447	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	A crimper kit is required. Bergstrom offers a crimper kit for purchase, if needed.



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Warranty

- 1-year limited warranty

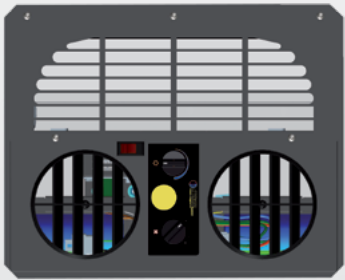


System comes with chrome hardware kit. A black hardware kit is also available,

Features

- Heavy-duty steel 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

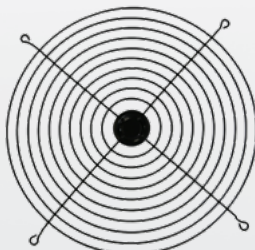
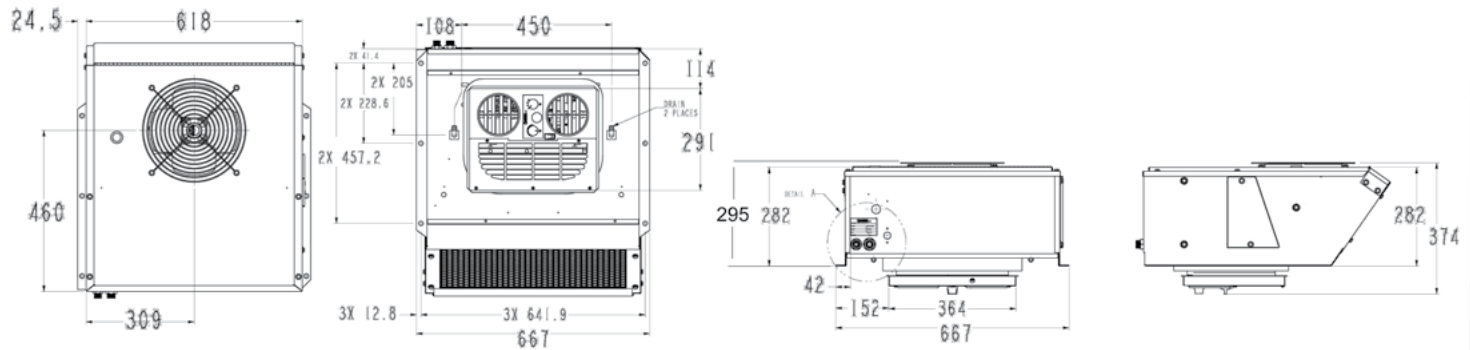


Technical Specifications

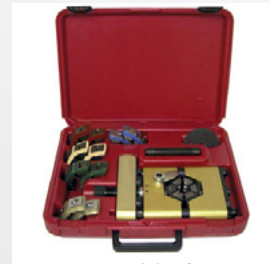
Model	HD-1000 12V	HD-1000 24V
Voltage	12V	24V
Capacity	Cold: 25,932 BTU/hr (7,6 kW) Hot: 34,120 BTU/hr (10,0 kW)	Cold: 25,932 BTU/hr (7,6 kW) Hot: 34,120 BTU/hr (10,0 kW)
Amps	32 A	16 A
Maximum air flow	315 SCFM (535 m³/hr)	315 SCFM (535 m³/hr)
Dimensions (L x W x H)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)	27.91in x 26.26in x 11.61in (709mm x 667mm x 295mm)
Weight	88 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

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 1000303297	12V 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 B416965	18 ft. 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,

Suggested Applications



Features

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

Air Distribution and Control Panel

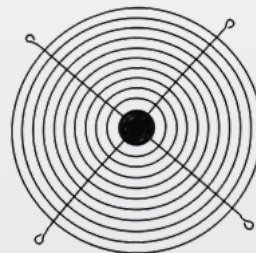
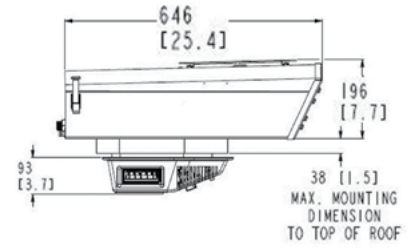
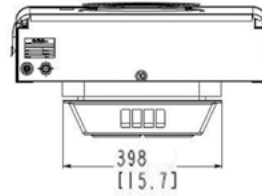
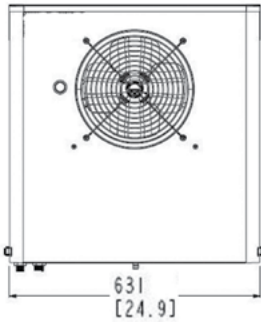


Technical Specifications

Model	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 m³/hr)	245 SCFM (416 m³/hr)
Dimensions (L x W x H)	25.39in x 24.84in x 7.72in (645mm x 631mm x 196mm)	25.39in x 24.84in x 7.72in (645mm x 631mm x 196mm)
Weight	74 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*	1001203448	12V
	1001203449	24V

*Installation kit included with the system.

KA300 Service Parts Guide

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



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Warranty

- 1-year limited warranty

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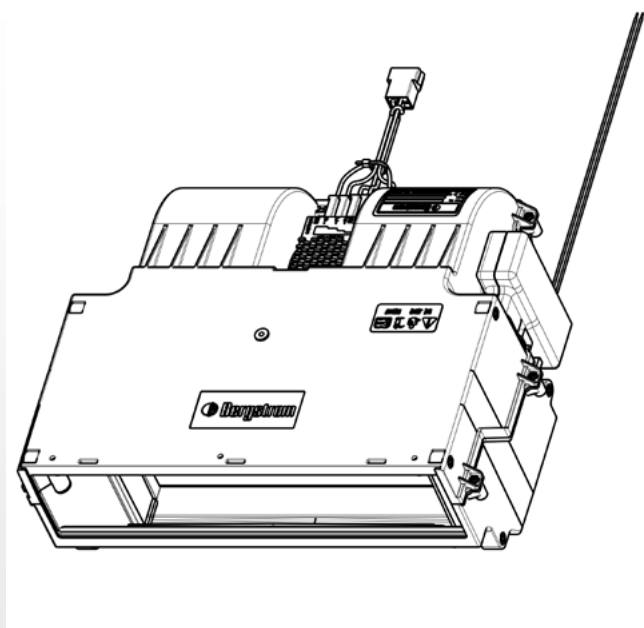
Engine-Driven Headliner Systems

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.



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

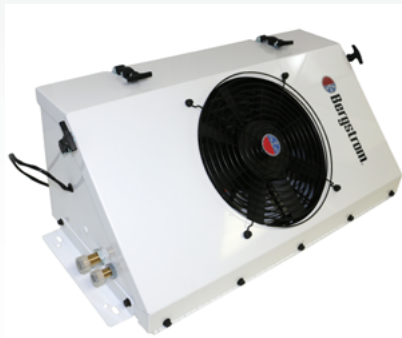
Air Distribution and Control Panel



Suggested Applications



Recommended Condenser



KC-500



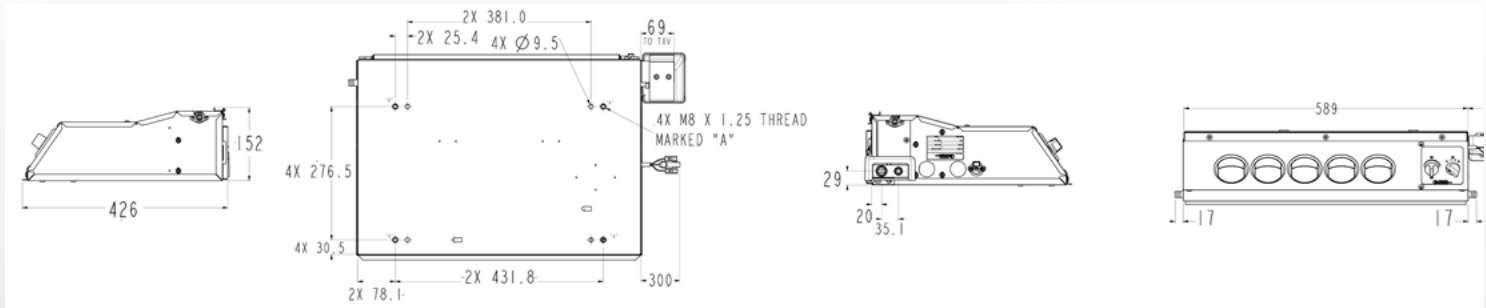
KC-750

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 m³/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.

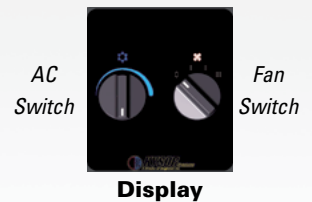
Line Drawing



KA-400 Slimline Order Guide*

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

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



KA-400 Slimline Service Parts Guide

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

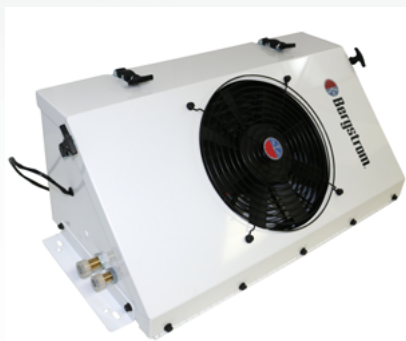
Air Distribution and Control Panel



Suggested Applications



Recommended Condenser



KC-500



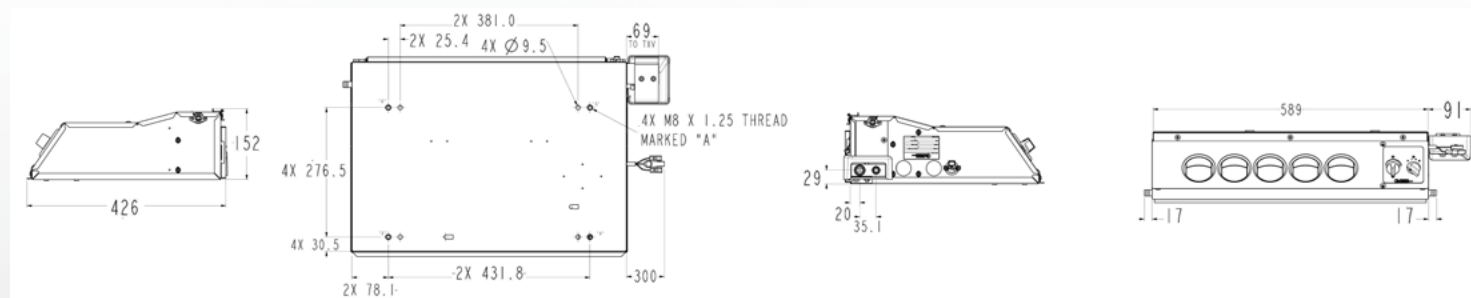
KC-750

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 m³/hr)	280 SCFM (425 m³/hr)
Dimensions (L x W x H)	23.19in x 16.77in x 5.98in (589mm x 426mm x 152mm)	23.19in x 16.77in x 5.98in (589mm x 426mm x 152mm)
Weight	26 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

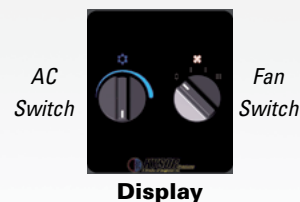
KK-400 Slimline Order Guide*

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

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

KK-400 Slimline Service Parts Guide

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



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Warranty

- 1-year limited warranty



Features

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

Air Distribution and Control Panel



Suggested Applications



Recommended Condenser



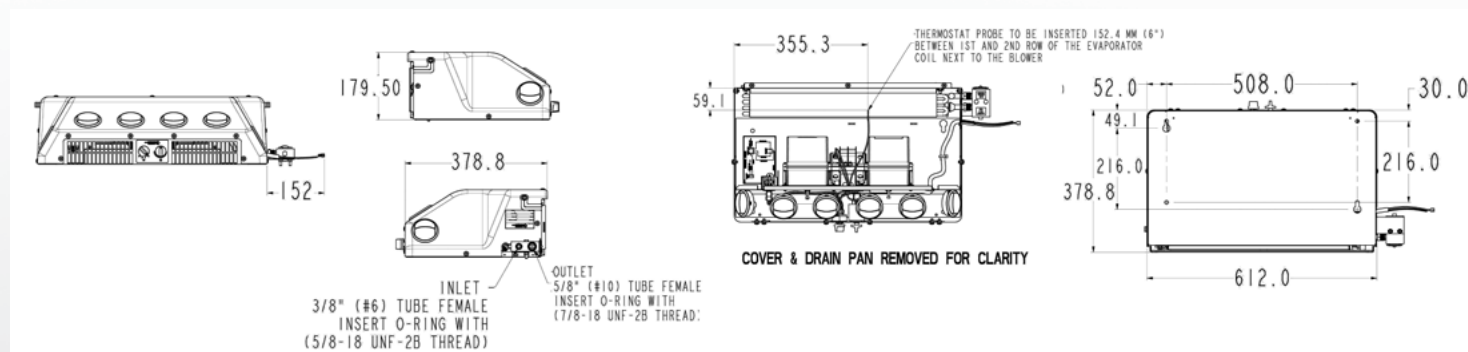
KC-440

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 ³ /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



KA-500 Hardhat Order Guide

Part	Part Number	Notes
Unit Part Number	1000298166	12V

KA-500 Hardhat Service Parts Guide

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

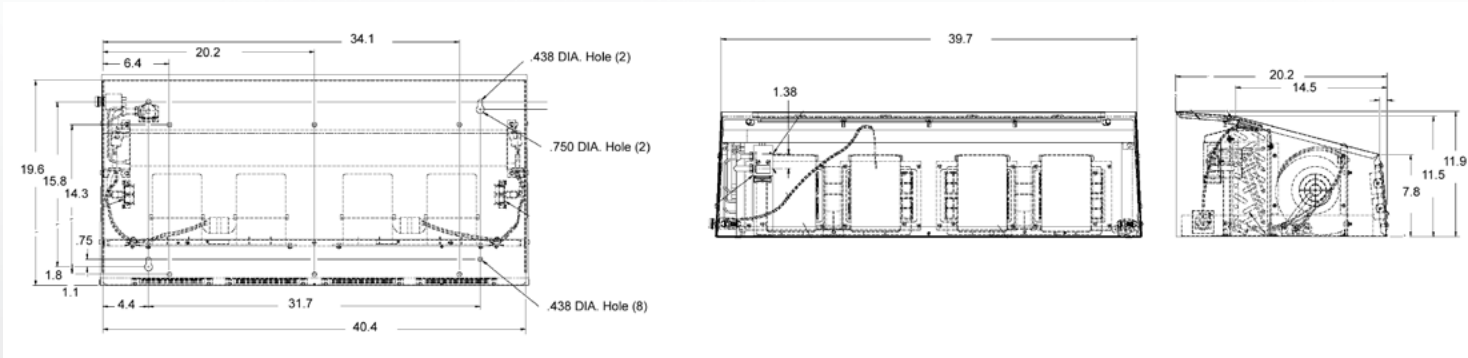


KA-7300 Technical Specifications

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 m³/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	B938150	12V

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



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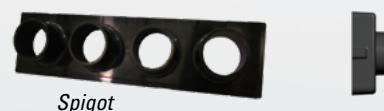
Warranty
• 1-year limited warranty



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



Suggested Applications



Recommended Condenser

**KC-750**

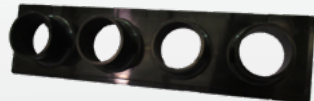
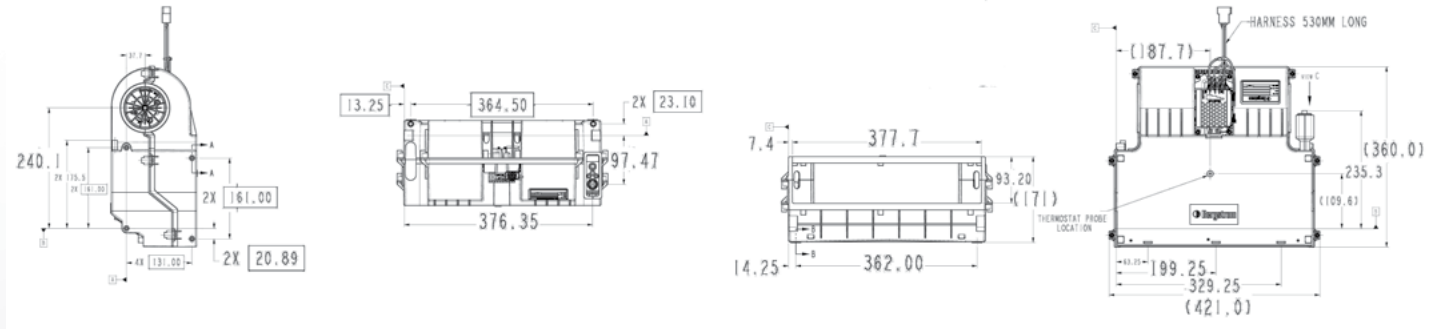
Kelvin AC Technical Specifications

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 ³ /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



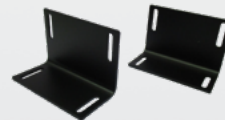
1001004181



1001161239



1001015622



1001013646

Kelvin AC Order Guide*

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



Suggested Applications



Recommended Condenser



KC-750

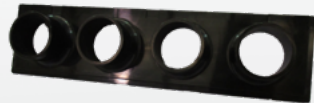
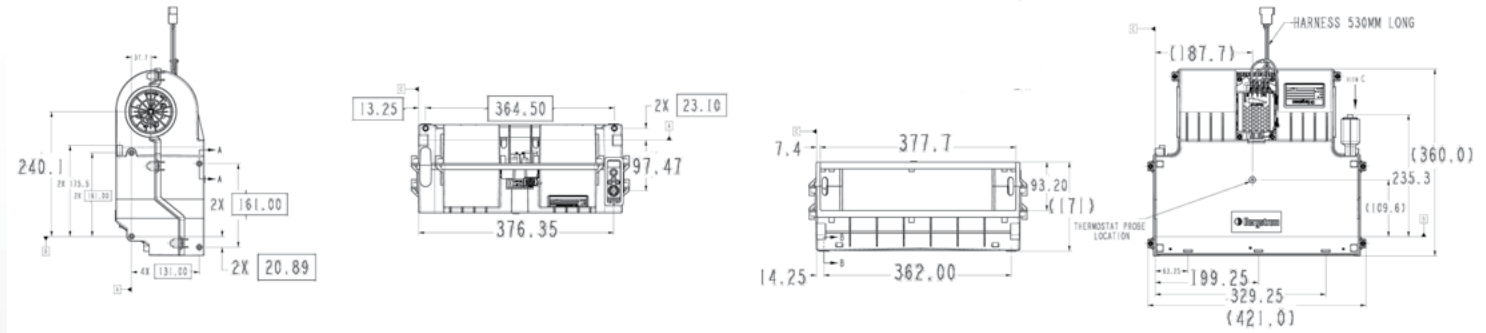
Kelvin HVAC Technical Specifications

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 m³/hr)	460 SCFM (780 m³/hr)
Dimensions (L x W x H)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)	14.71in x 16.53in x 6.69in (360mm x 421mm x 170mm)
Weight	13.9 lb (6.5 kg)	13.9 lb (6.5 kg)
Mounting Position	Horizontal (Floor or Headliner)	Horizontal (Floor or Headliner)

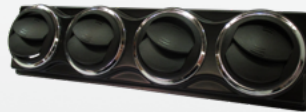
(*) System output (BTU/hr) is based on system component-calculated capacities in accordance with ISO1515 standard test conditions: outside temperature 100°F (38°C), humidity 40%.

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

Line Drawing



1001004175



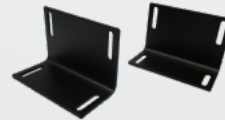
1001004181



1001161239



1001015622



1001013646

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



Spigot



Louver



Suggested Applications



Recommended Condenser



KC-500



KC-750

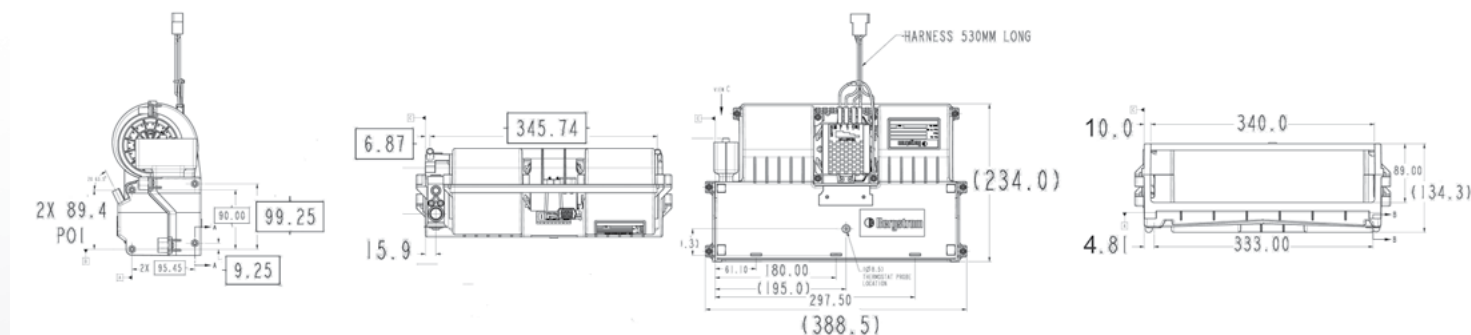
Pascal AC Technical Specifications

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 ³ /hr)	410 SCFM (650 m ³ /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

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.

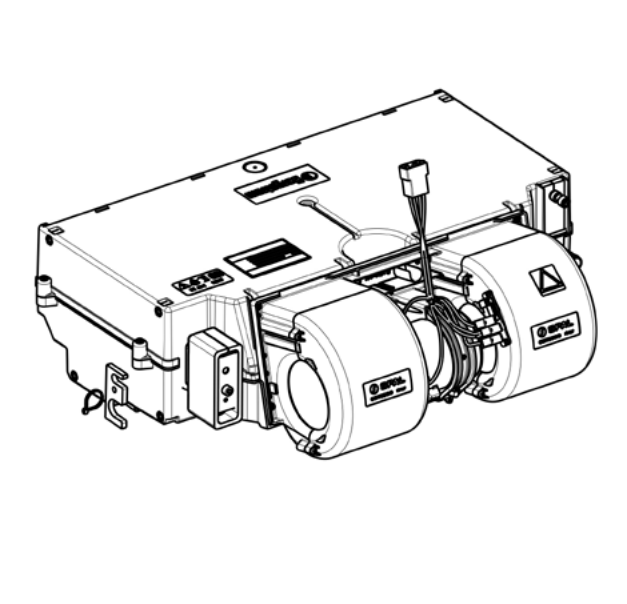


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Warranty

- 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.

NOTES:

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Engine-Driven Backwall Systems

KK-315	56
KA-550 Slimline	58
KK-550 Slimline	60
KK-600 Backpack	62
KA-710 Sidekick	64

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

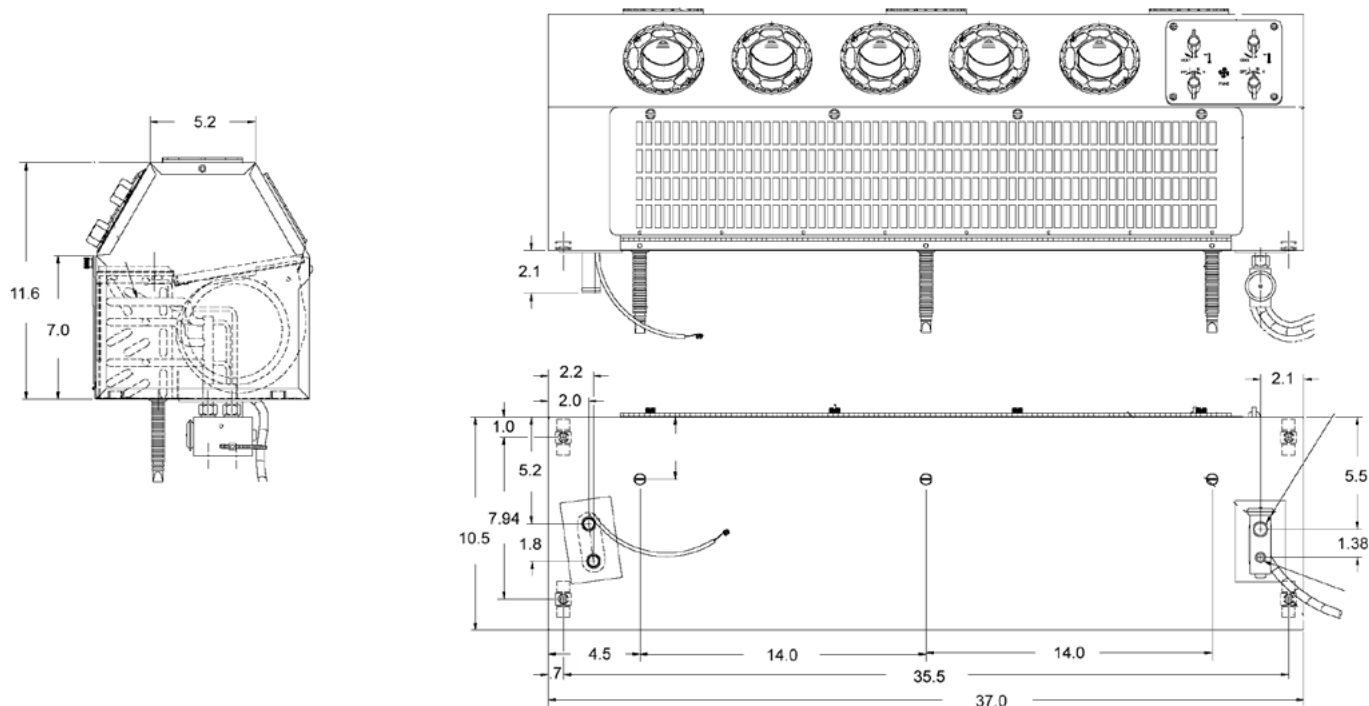


Technical Specifications

Model	KK-315 12V
Voltage	12V
Capacity	34,000 BTU/hr (10 kW)
Amps	25 A
Maximum air flow	619 SCFM (1,052 m³/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	650790	12V
Thermostat	B404028	12V
Fan Switch	650657	12V
Water Valve	B173131	12V
Louver	B360880	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



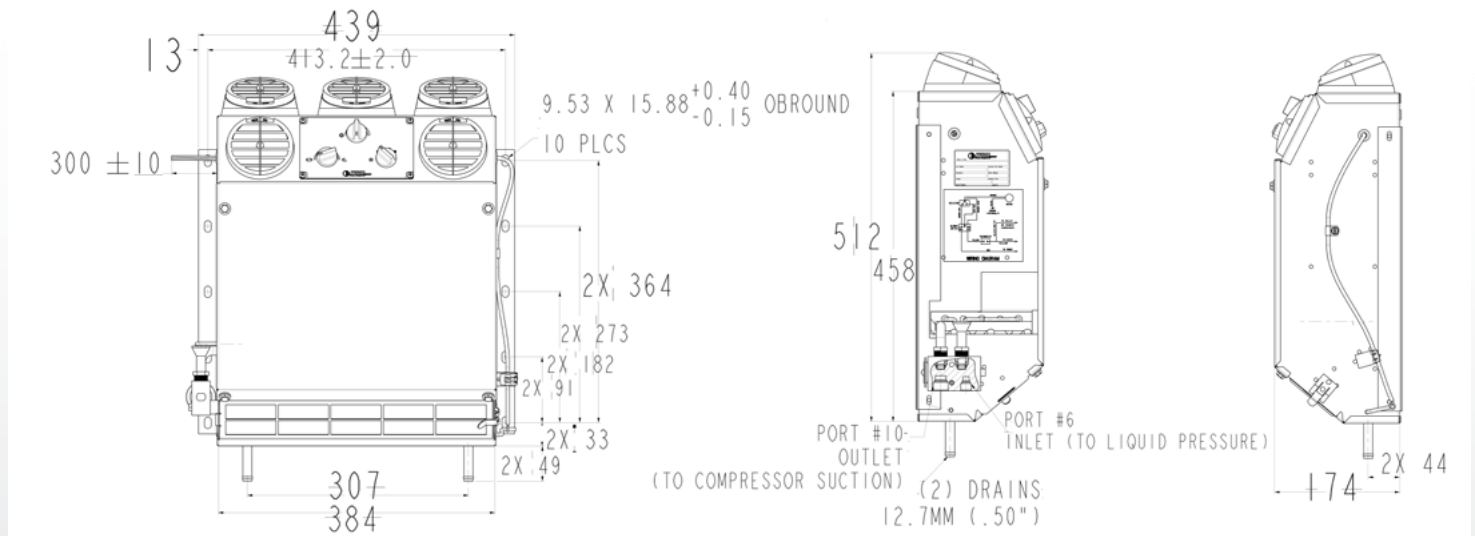
KC-750

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 m³/hr)	275 SCFM (467 m³/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



AC Switch



Recirculation Switch Fan Switch

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



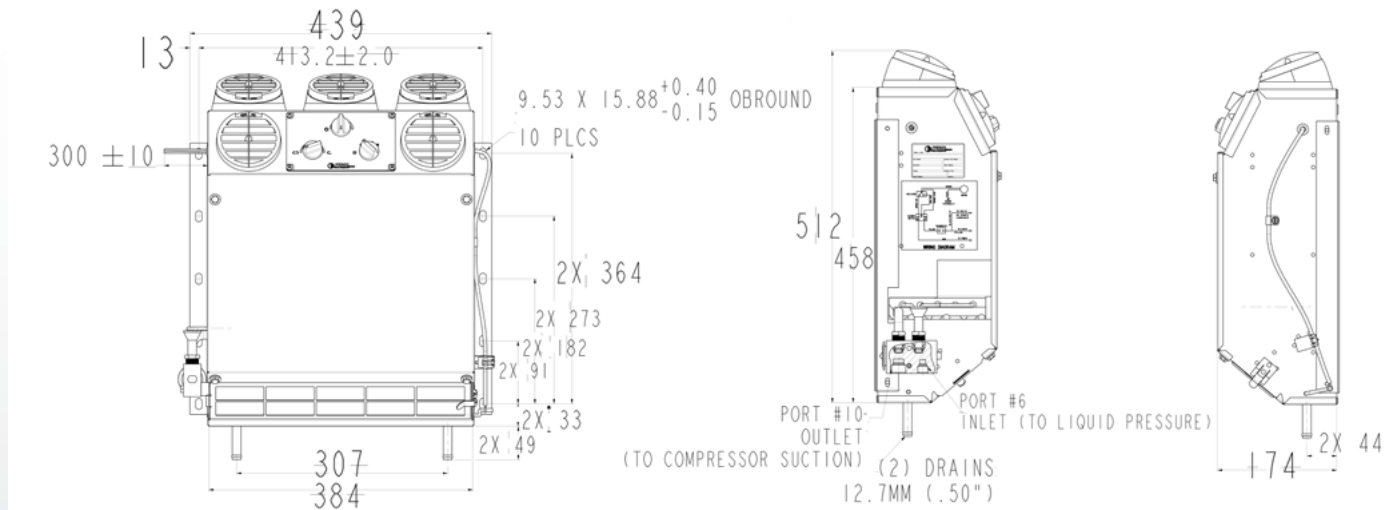
KC-750

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 ³ /hr)	275 SCFM (467 m ³ /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



Switch AC



Switch recirculation Switch Fan

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



Suggested Applications



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



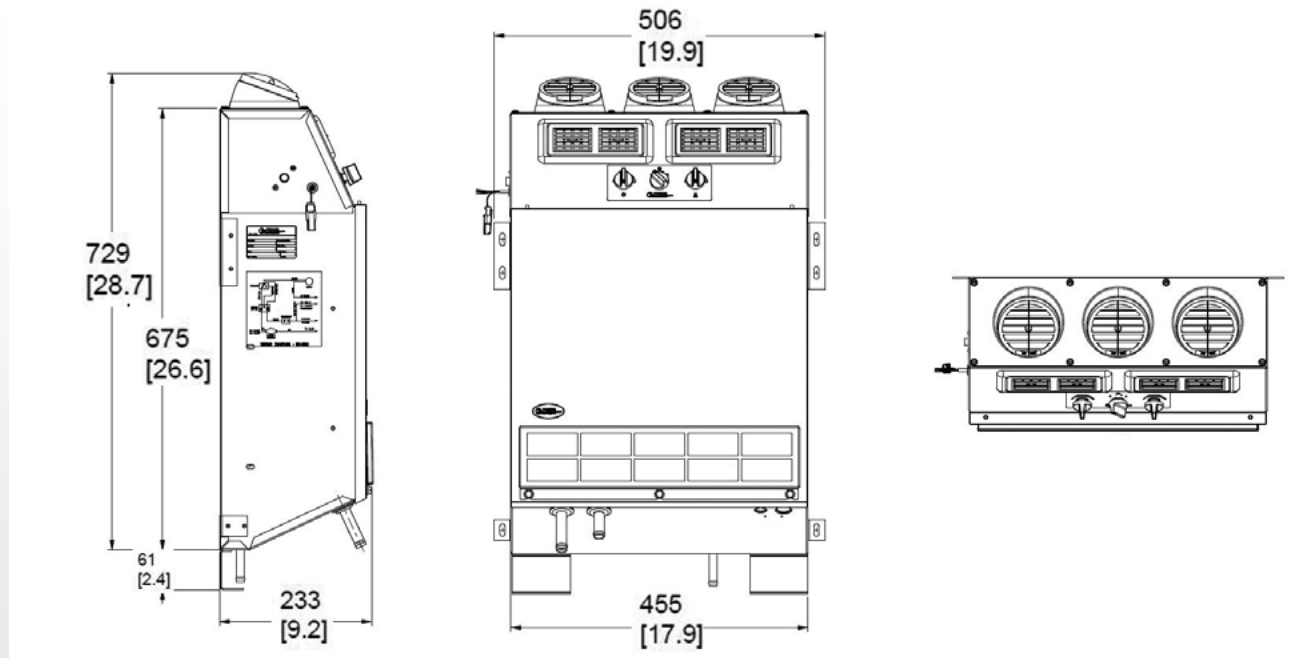
Technical Specifications

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 m³/hr)	325 SCFM (552 m³/hr)
Dimensions (W x H x D)	19.9in x 28.7in x 9.2in (506mm x 729mm x 233mm)	19.9in x 28.7in x 9.2in (506mm x 729mm x 233mm)
Weight	70 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



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 1000303297	12V 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



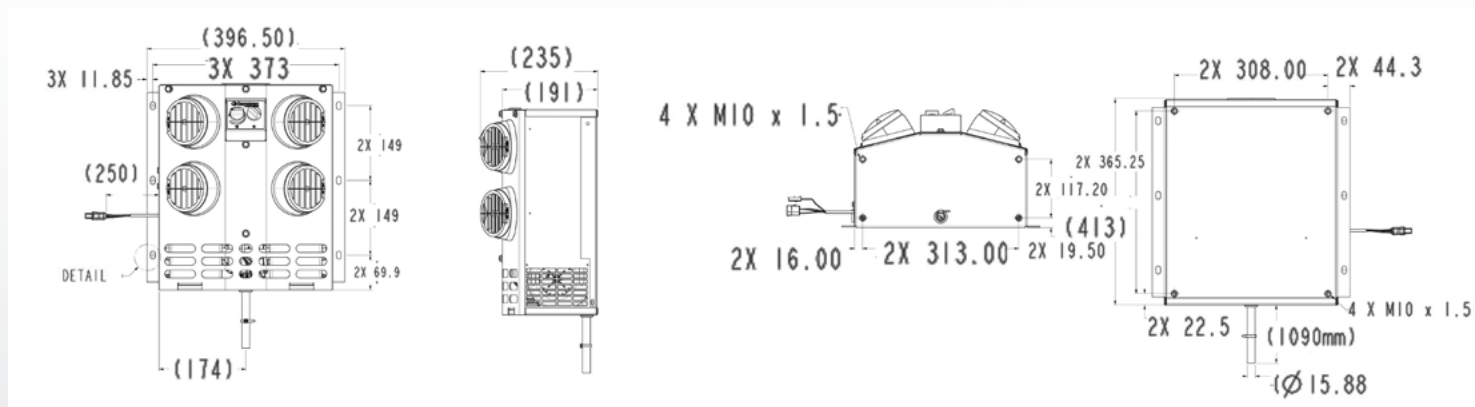
Recommended Condenser

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 ³ /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	1001203445	12V
Universal Installation Kit (includes receiver drier, wall mounting kit and hoses)	1001685792	12V

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

KA-710 Sidekick Service Parts Guide

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



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Warranty

- 1-year limited warranty

NOTES:

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Condensers

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

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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

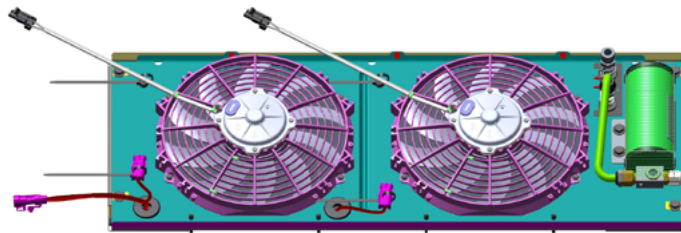
Part	Part Number	Notes
Unit Part Number	1002660847	12V



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.

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Warranty



Suggested Applications



Features

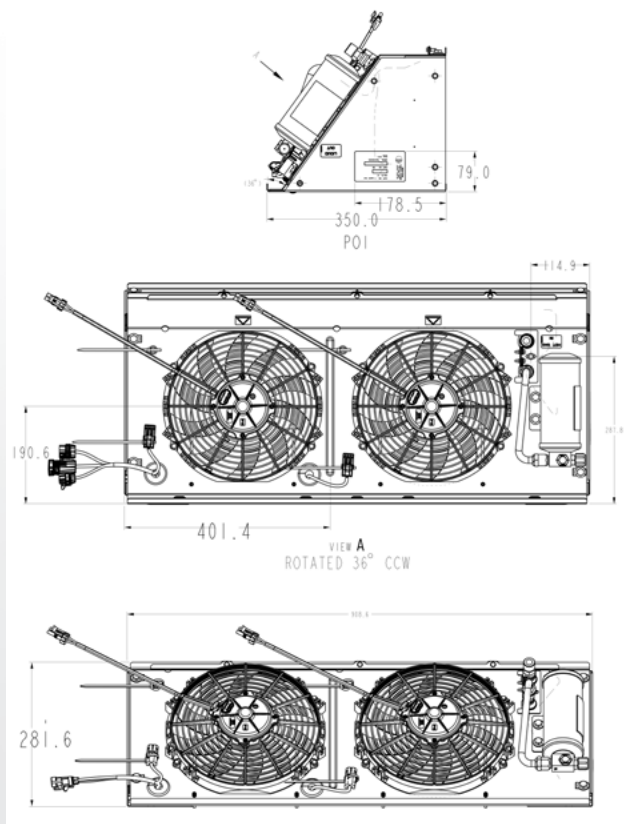
- Adjustable mounting brackets for easier installation
- 2-Ton thermal expansion valve for improved AC performance
- Galvannealed steel drain pans to prevent rusting and maximize durability
- Durable ABS plastic cover to prevent scratches and fractures
- Fully adjustable louvers to direct air flow and 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.)

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

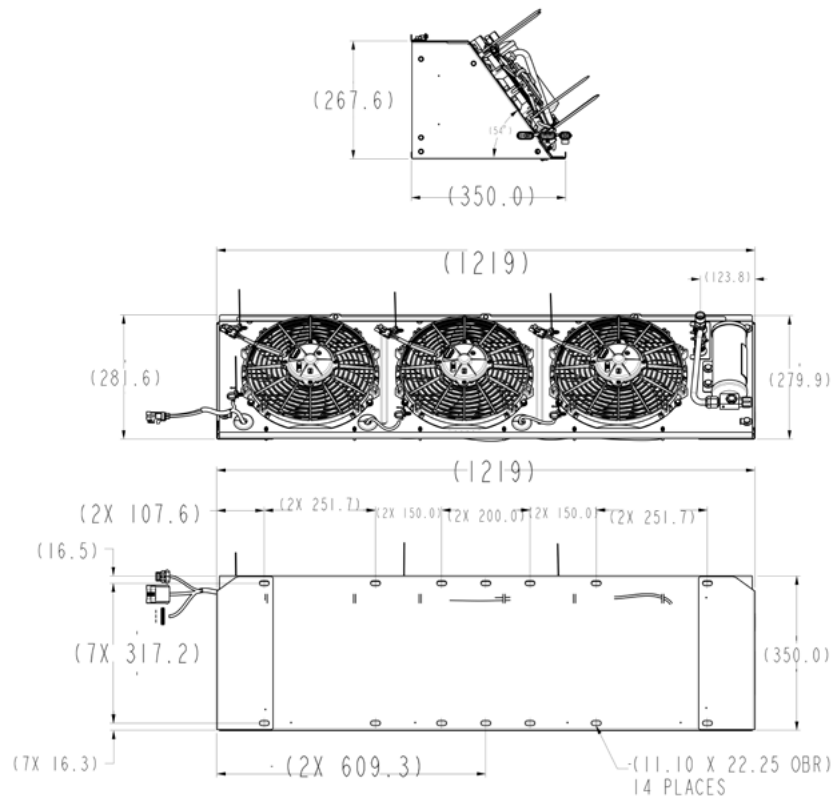


Technical Specifications

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 (2,667m³/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



3-Fan Skirt Condenser Order Guide

Part	Part Number	Notes
Unit Part Number	1003008277	12V



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Warranty



Features

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

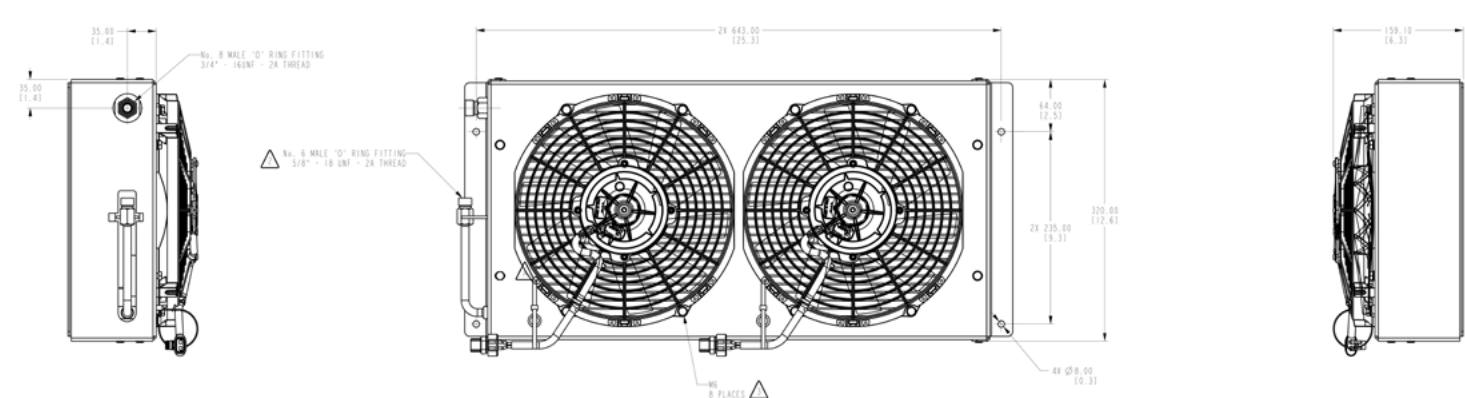
Suggested Applications

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 ³ /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	1002331695 1001787907	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

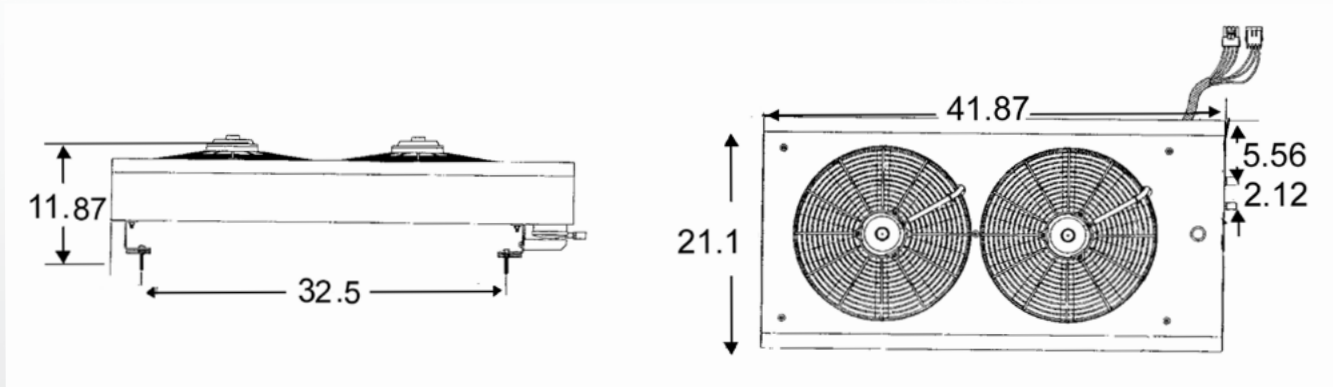
**KA-500**

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 m³/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	1001301750	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



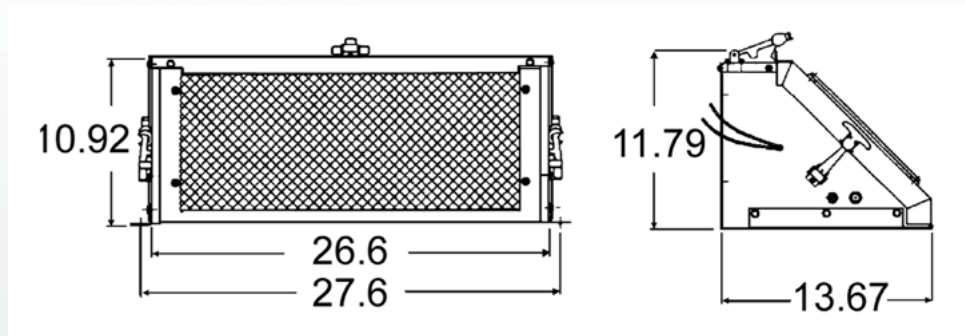
Pascal A/C

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	1002218122	12V
	1002217887	24V

KC-500 Service Parts Guide

Part	Part Number	Notes
Condenser	B401080	12V
	B401080	24V
Condenser Fan	B265600	12V
	B265600	24V
Motor	B275165	12V
	B275265	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



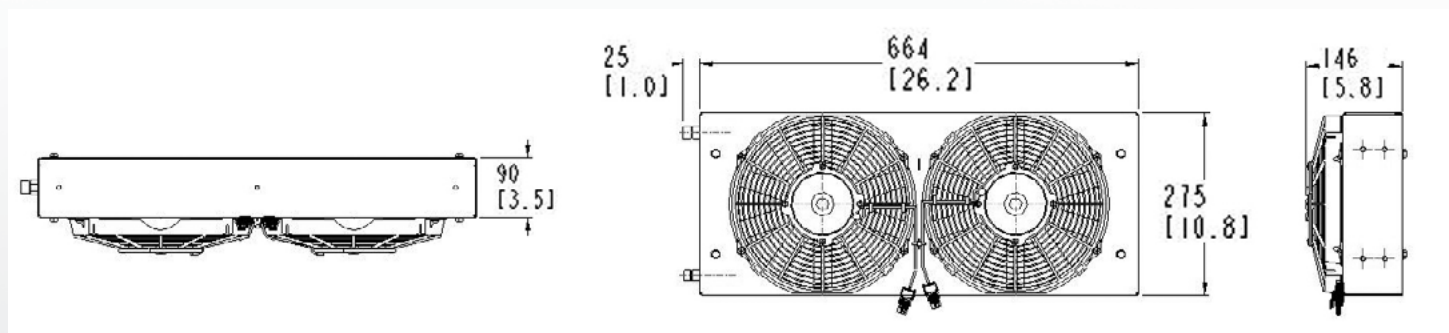
Pascal A/C

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 m³/hr)	1,000SCFM (1,700 m³/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	1001590157	12V with Installation Kit
Unit Part Number	1001342458 1001342463	12V 24V

KC-750 Service Parts Guide

Part	Part Number	Notes
Relay	B222166 B222166	12V 24V



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Warranty

NOTES:

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Heaters

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

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.

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

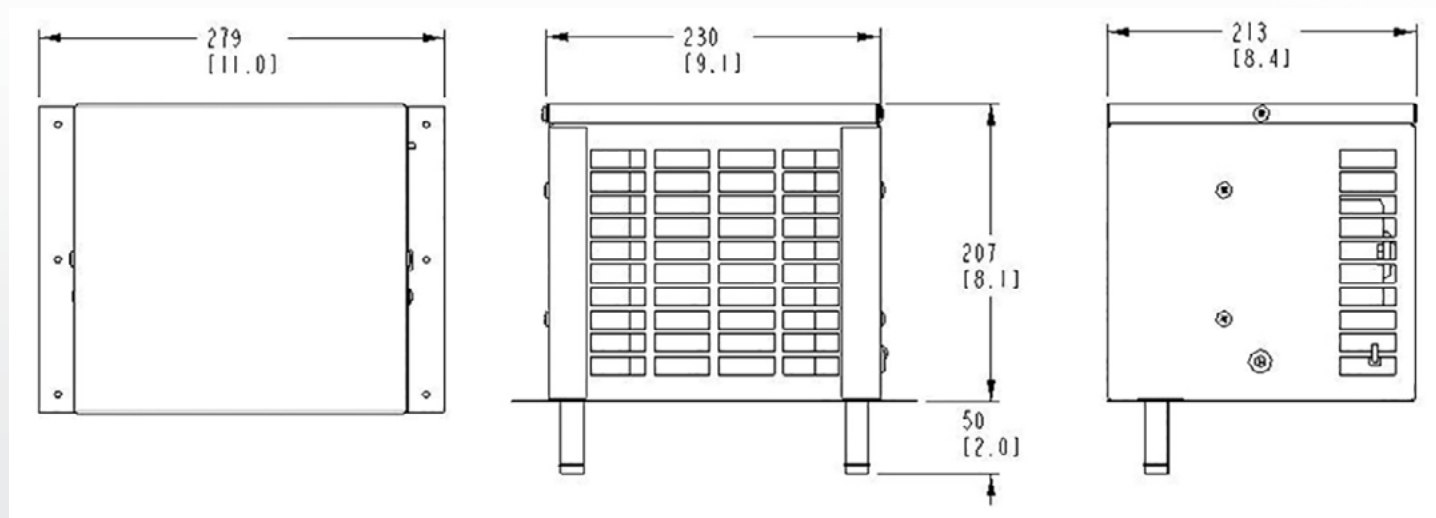


Technical Specifications

Model	KH-150 12V
Voltage	12V
Capacity	13,000 BTU/hr (3,8 kW)
Amps	3.6 A
Maximum air flow	115 SCFM (195 m³/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	1000258378	12V

KH-150 Service Parts Guide

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



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Warranty

- 1-year limited warranty



Features

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

Suggested Applications

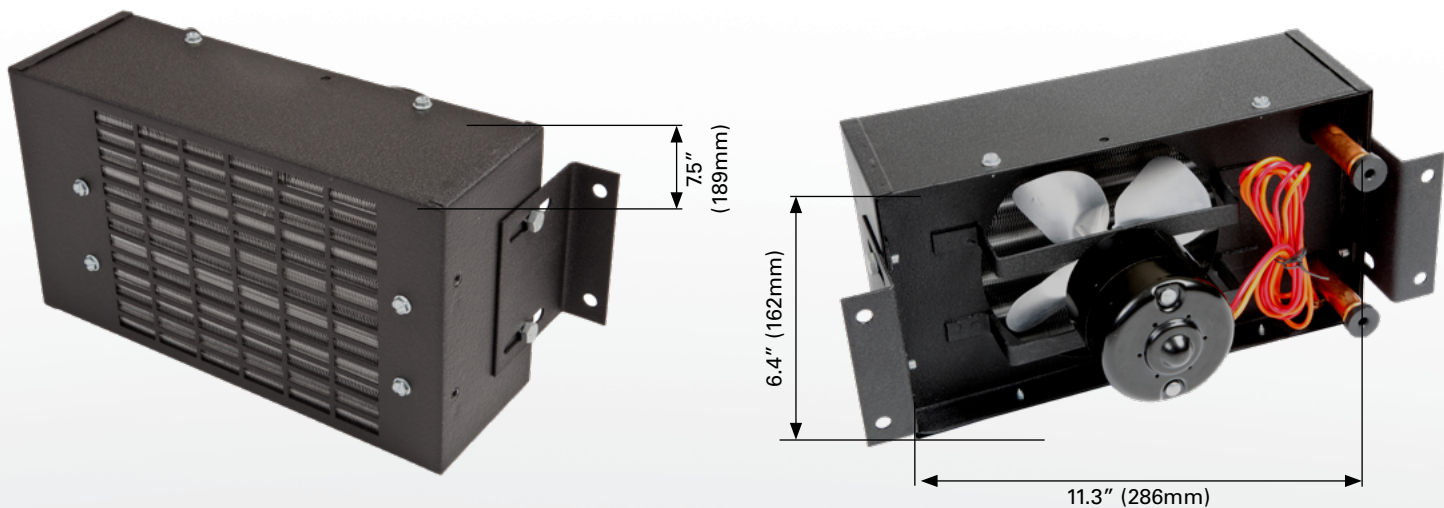


Technical Specifications

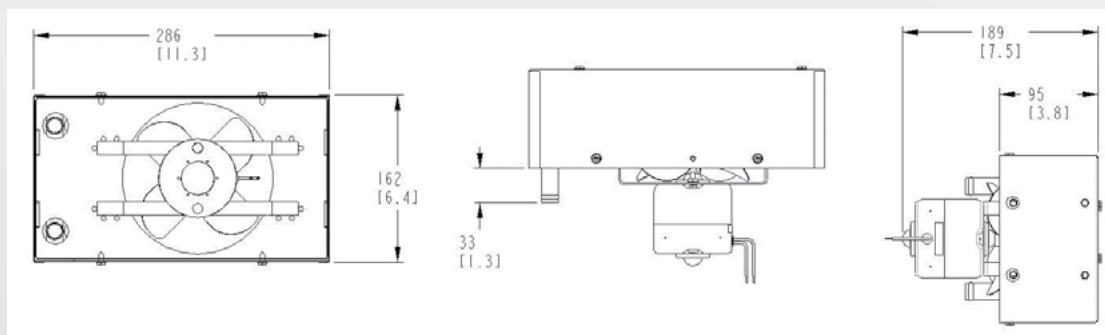
Model	KH-200 12V	KH-200 24V
Voltage	12V	24V
Power	18,360 BTU/hr (5,4 kW)	18,360 BTU/hr (5,4 kW)
Amps	1.53 A	1.5 A
Maximum air flow	145 SCFM (246 m³/hr)	145 SCFM (246 m³/hr)
Dimensions (W x H x D)	11.3in x 6.4in x 7.5in (286mm x 162mm x 189mm)	11.3in x 6.4in x 7.5in (286mm x 162mm x 189mm)
Weight	9 lbs.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

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

Dimensions layout



Line Drawing



KH-200 Order Guide

Part	Part Number	Notes
Unit Part Number	1000258381	24V

KH-200 Service Parts Guide

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

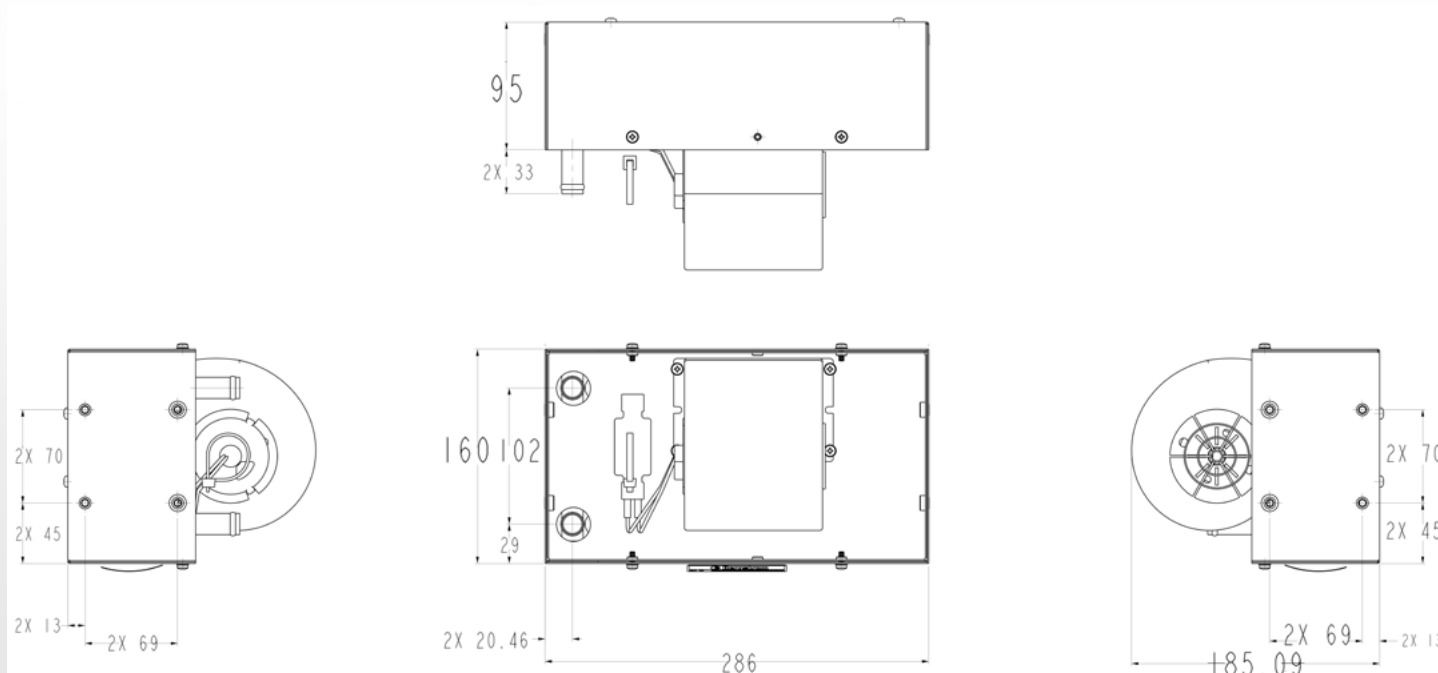


Technical Specifications

Model	KH-290 12V
Voltage	12V
Capacity	22,348 BTU/hr (6,55 kW)
Amps	8.82 A
Maximum air flow	167 SCFM (284 m³/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	1002141937	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

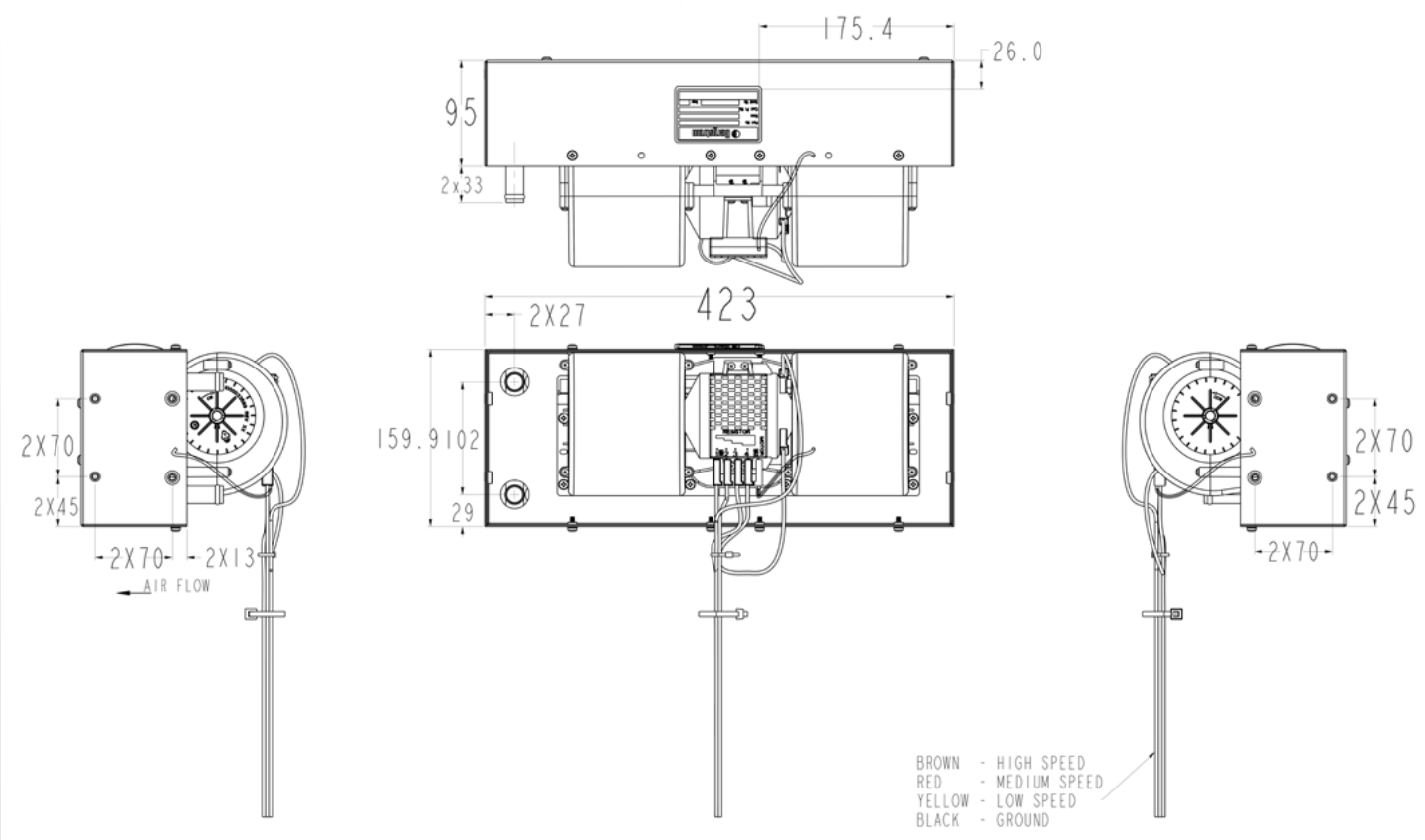


Technical Specifications

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 ³ /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



KH-295 Order Guide

Part	Part Number	Notes
Unit Part Number	1002560911	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

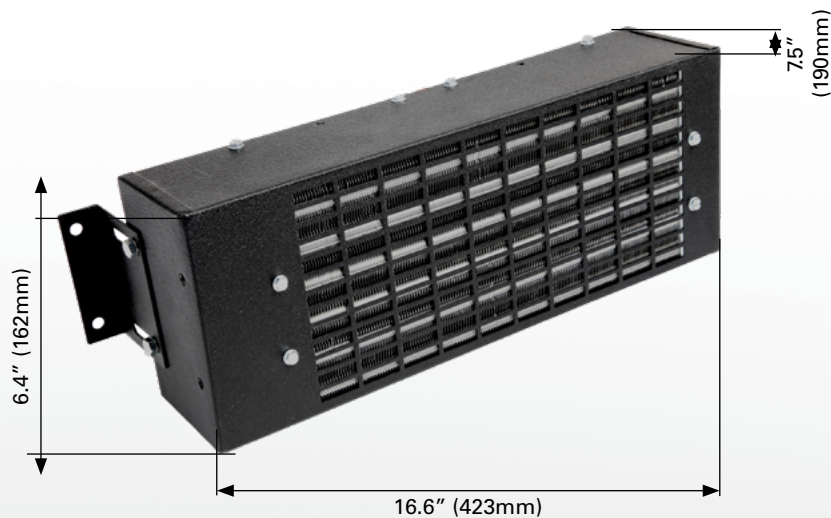


Technical Specifications

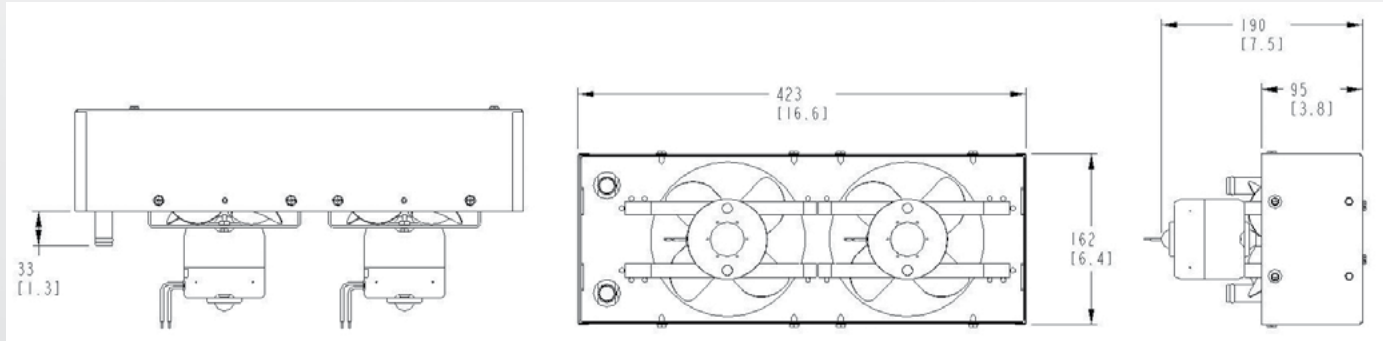
Model	KH-300 12V
Voltage	12V
Power	30,0270 BTU/hr (8,8 kW)
Amps	3 - 6 A
Maximum air flow	265 SCFM (450 m³/hr)
Dimensions (W x H x D)	16.6in x 6.4in x 7.5in (423mm x 162mm x 190mm)
Weight	14 lbs. (6,4 kg)
Mounting Position	Floor or Wall
Tube Connection	(2) 5/8" O.D.

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	1000258382	12V

KH-300 Service Parts Guide

Part	Part Number	Notes
Blower Motor	1000182193	12V
Blower Fan	B265620	12V
Control Switch Kit	B416617	12V



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Warranty

- 1-year limited warranty



Suggested Applications



Features

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

Air Distribution Panel



Spigot



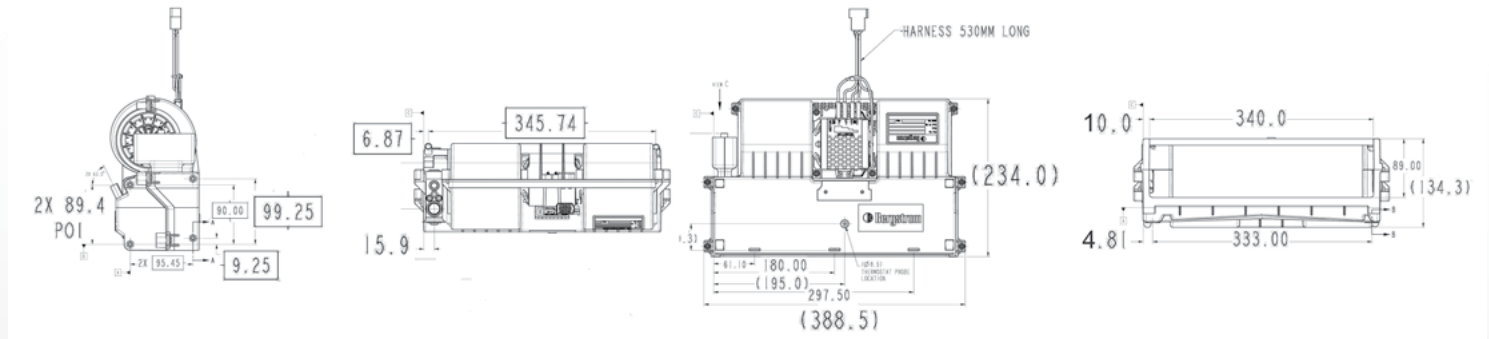
Louver

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 m³/hr)	265 SCFM (450 m³/hr)
Dimensions (L x W x H)	9.21in x 15.3in x 5.29in (234mm x 388.5mm x 134.3mm)	9.21in x 15.3in x 5.29in (234mm x 388.5mm x 134.3mm)
Weight	8.4 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.

Heaters



1001004144



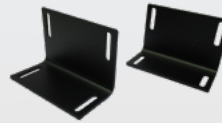
1001015619



1001161278



1001013603



1001015620

Pascal Heater Order Guide*

Part	Part Number	Notes
Unit Part Number	1000813400 1000814235	12V 24V
Control Panel	1001229640 1001229584	Vertical Horizontal
Fascia Panel	1001015619 1001004144 1001161278	Three Chrome and Black Louvers Three Spigot Outlets Three Black and Black Louvers
Bracket	1001015620 1001013603	Floor/Ceiling Mount Wall/Bulkhead Mount
Condensate Kit	1000988616 1000988618	Single Side 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 1000067312	12V 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

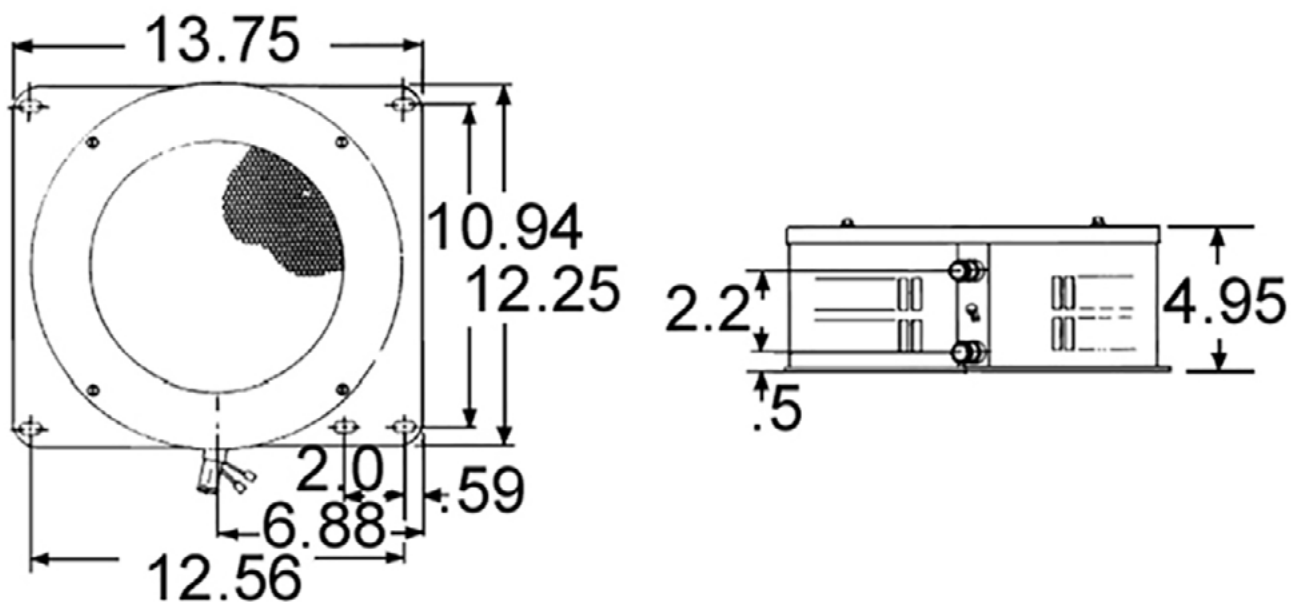


Technical Specifications

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 m³/hr)	325 SCFM (552 m³/hr)
Dimensions (W x H x D)	13.75in x 12.25in x 5in (350mm x 311mm x 127mm)	13.75in x 12.25in x 5in (350mm x 311mm x 127mm)
Weight	11.25 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	B936213	12V (Face Blower)
	B936228	24V (Face Blower)
	B936055	12V (Side Blower)

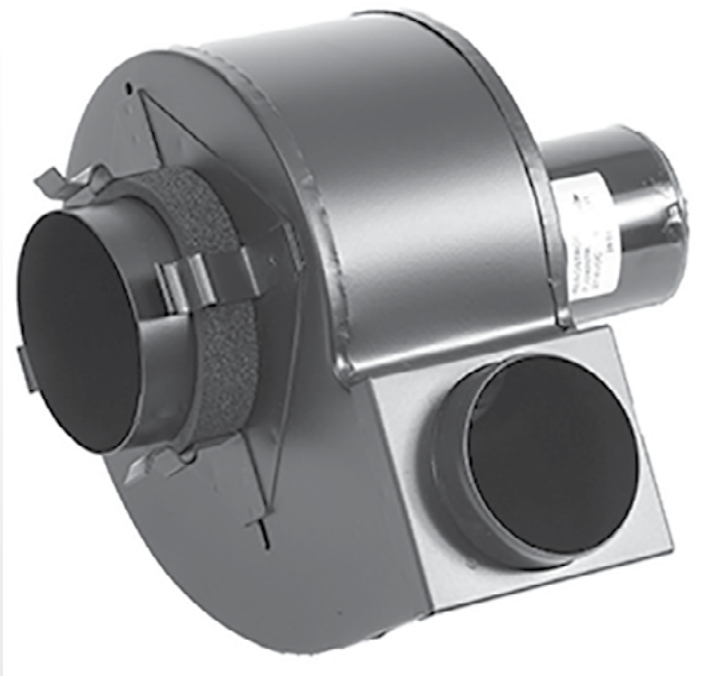


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Warranty

- 1-year limited warranty



Features

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

Suggested Applications

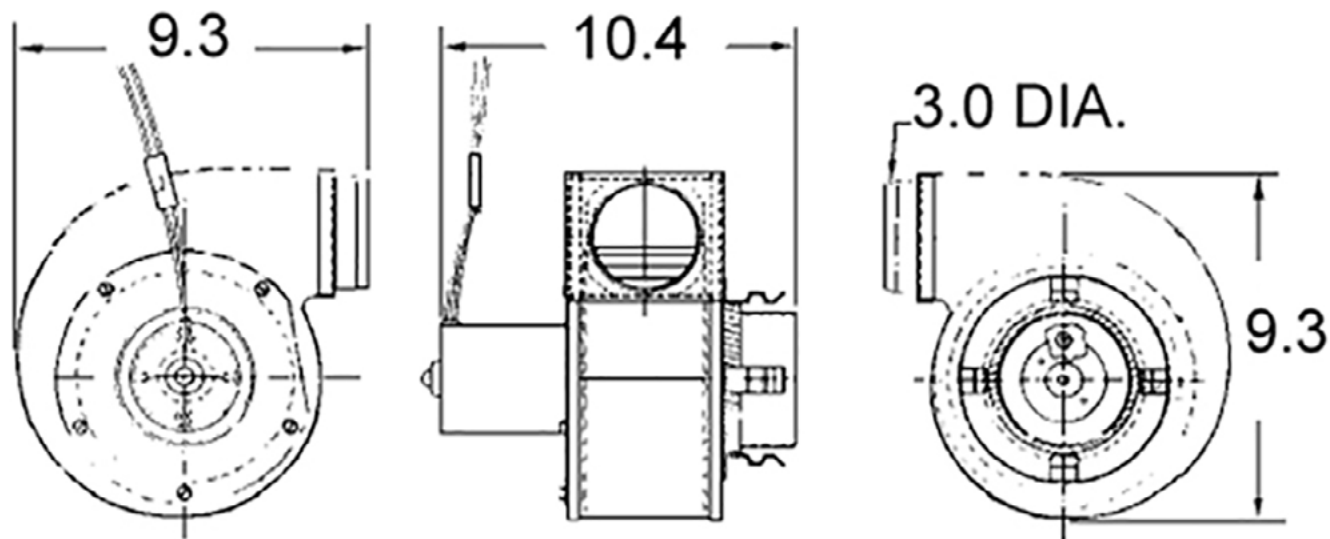


Technical Specifications

Model	KP-1000 24V
Voltage	24V
Amps	5 A
Maximum air flow	220 SCFM (374 m³/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	B411080	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



NAME

HEATER ASSEMBLIES

VOLTS

DESCRIPTION

Heater System

Part No: 780017



Heater Assembly, 80K Wallmount

IC Corp Cross Reference No: 448253001

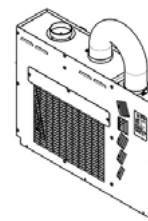
Part No: 1000136032



Heater Assembly

Blue Bird Cross Reference No: 10006651

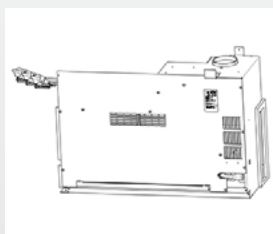
Part No: 1000194015



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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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:

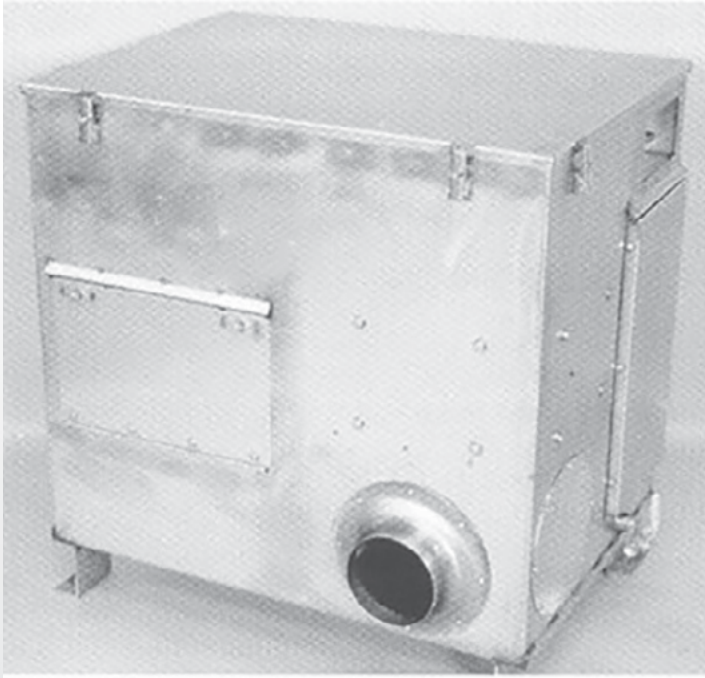
- Filters which remove gaseous contaminants often generated at industrial processing sites in enclosed spaces (such as underground mining)
- A wide range of electrical supplies to suite site availability
- Larger capacities
- New air conditioning equipment that has higher capacity in cooling, heating 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



Suggested Applications



Features

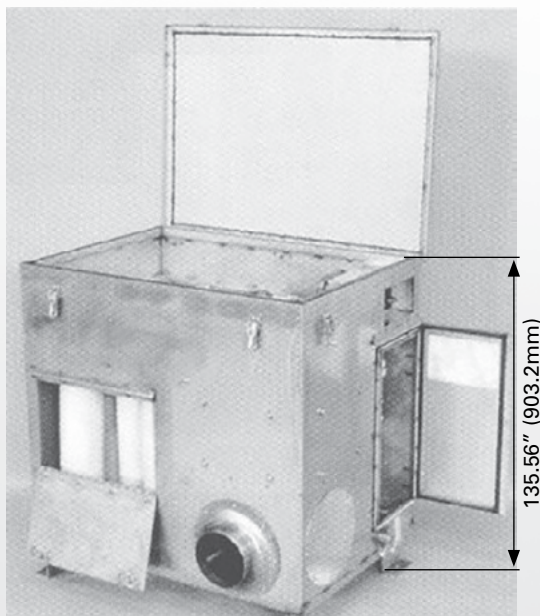
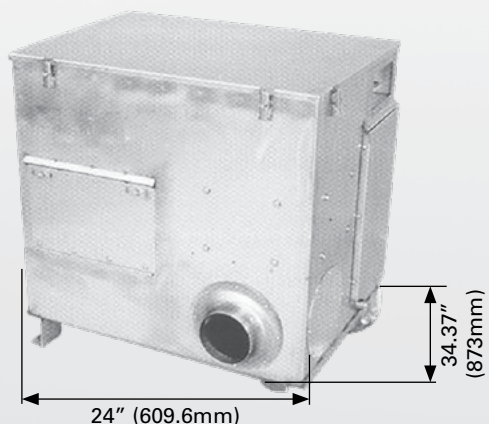
- Suitable for main-Capacityed electrical equipment
- Consists of eight teflon coated elements housed on a wire-frame structure with a venturi tube delivery
- (2) backward curved fans mounted in series to provide high static pressure capability
- Two-stage operation with the second fan coming on with 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 thepurging process wiht compressed air. After another time delay, fans will start up again.
- System is designed as a stand-alone device and has the capacity to have up to three air discharge outlets from its base.

Technical Specifications

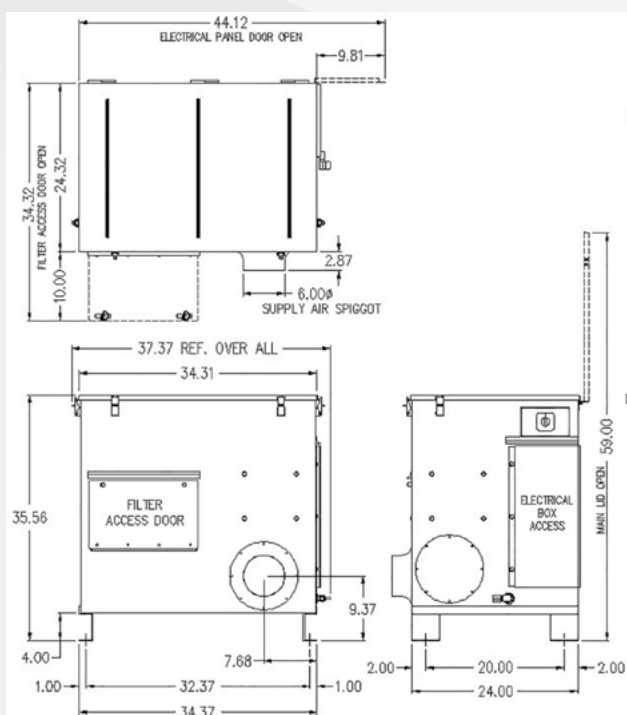
Model	FVF120 120V
Voltage	120V
Amps	3 AMPS @ 120 V.A.C. 20 AMPS @ 24 V.D.C.
Maximum air flow	365 SCFM (620 m³/hr)
Dimensions (L x W x H)	24in x 34.37in x 35.56in (609.6mm x 873mm x 903.2mm)
Weight	285 lb (129,3 kg)
Mounting Position	Foot

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

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

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



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Warranty

- 1-year limited warranty



Features

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

Suggested Applications



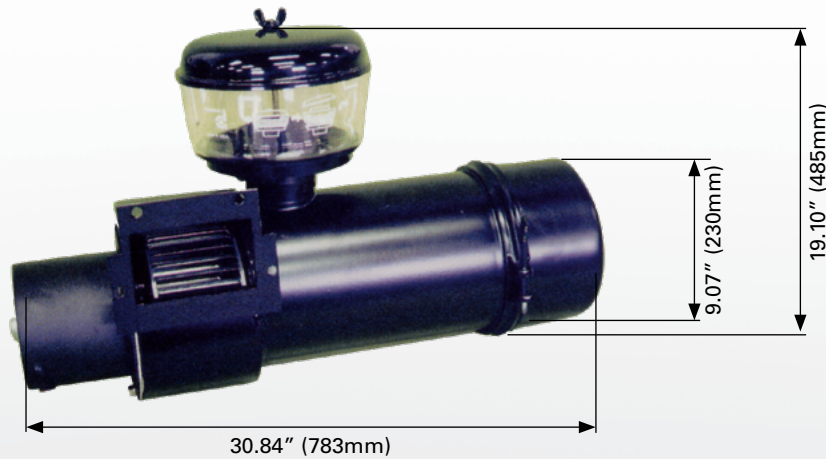
Auxillary piece for BES-series
air conditioners

Technical Specifications

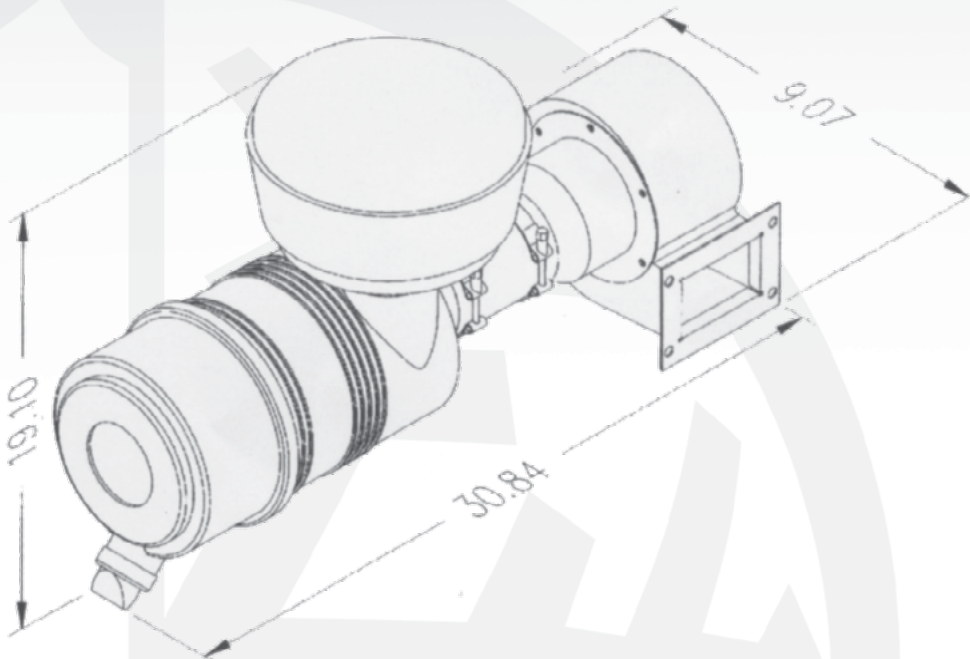
Model	FVV50 12V	FVV50 24V
Voltage	12V	24V
Amps	10 AMPS @ 12 V.D.C.	5 AMPS @ V.D.C.
Maximum air flow	85 SCFM (144 m³/hr)	85 SCFM (144 m³/hr)
Dimensions (L x W x H)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)
Weight	17 lb (7,7 kg)	17 lb (7,7 kg)
Mounting 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 @ 24 V.D.C.	120
Pressurizer Airflow:	
Clear filter, 0.00" w.c. ESP	85 CFM (40 l/s)
0.25" w.c. ESP	18 CFM (9 l/s)
0.50" w.c. ESP	5 CFM (2.5 l/s)
Max. Fan Static Pressure Available	0.65" w.c.
No. of Blower / Motors	1
No. of Motor Speeds	1
Pre-Cleaner	1
---Roughing	1
No. of Final Filter Elements	1
Permanent Filter Size	5" Dia x 11" Lg
Type of Permanent Filter	Pleated
Filter Material	Paper
Filtration Efficiency	See Note
Outlet Spigot	2.75" x 4.25"
Mounting Type	Foot
Motor External Protection	No
Internal Thermal Protection	Yes
Pressurizer Casing Material	Painted Steel

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

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



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Warranty

- 1-year limited warranty



Features

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

Suggested Applications



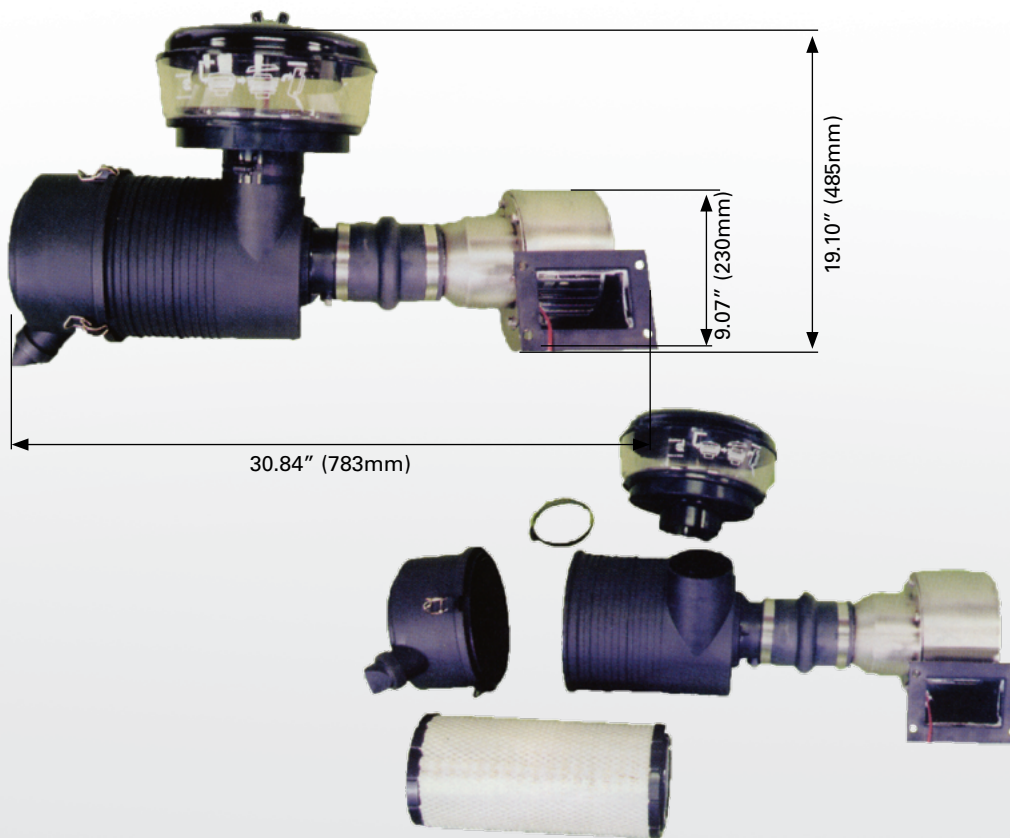
Auxillary piece for BES-series
air conditioners

Technical Specifications

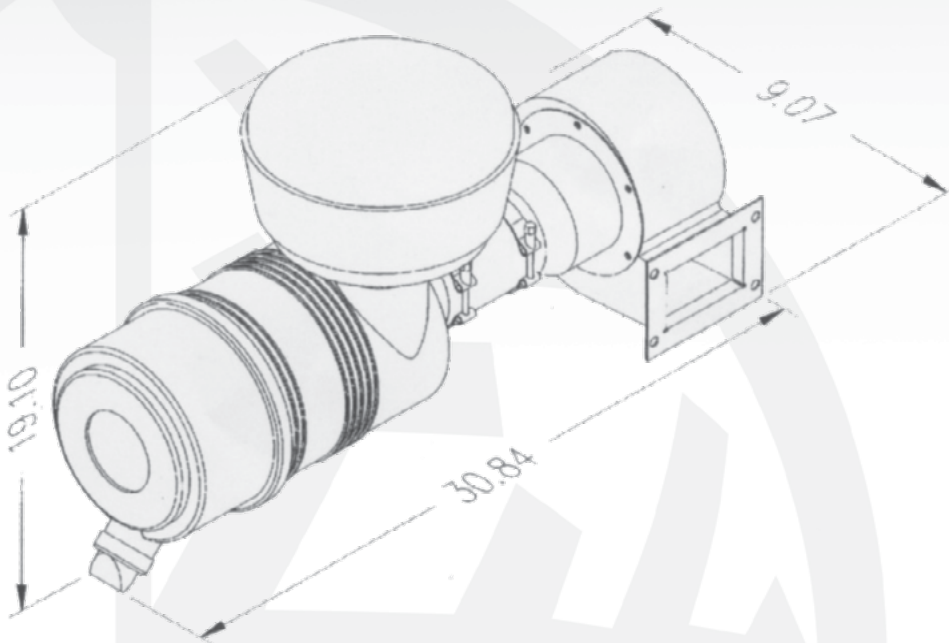
Model	FVV650 12V	FVV60 24V
Voltage	12V	24V
Amps	10 AMPS @ 12 V.D.C.	5 AMPS @ 24 V.D.C.
Maximum air flow	170 SCFM (289 m³/hr)	170 SCFM (289 m³/hr)
Dimensions (L x W x H)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)	30.84in x 9.07in x 19.1in (783mm x 230mm x 485mm)
Weight	21 lb (9,5 kg)	21 lb (9,5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

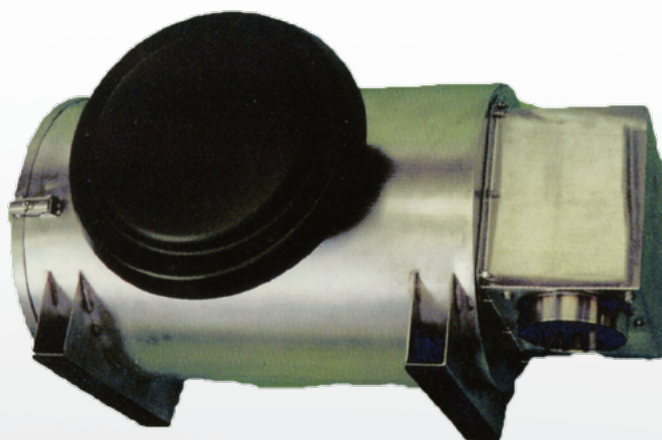
- 1-year limited warranty



NAME

FVV150 PRESSURIZER

VOLTS

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

Features

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

Suggested Applications

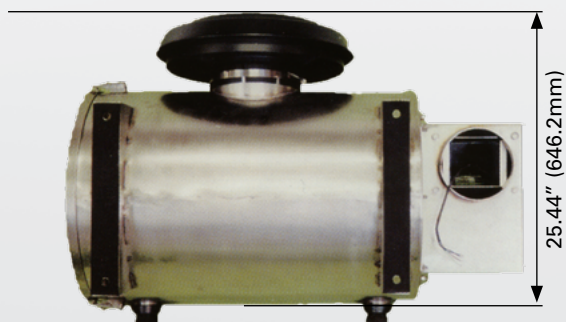
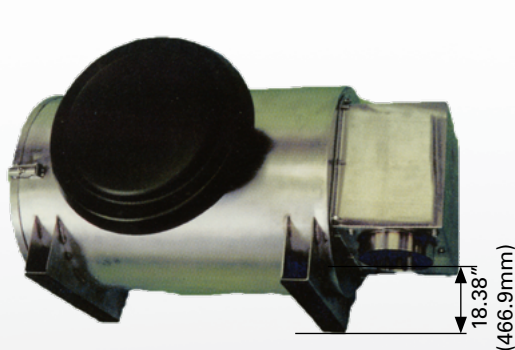


Technical Specifications

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 ³ /hr)	315 SCFM (535 m ³ /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

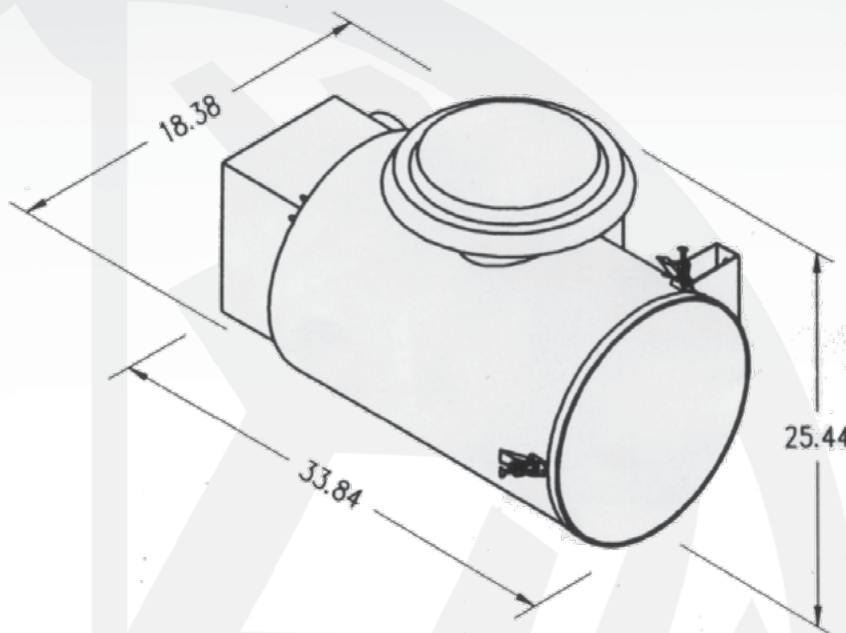


Model Specifications:	FVV150
Type of Unit	Filter/Blower
Voltages Available V.D.C.	12 or 24
Voltages Available V.A.C.	115-150/60
Pressurizer Watts @ 24v V.D.C.	150
Pressurizer Watts @ 115V.A.C.	200
Pressurizer Airflow:	
Clear filter, 0.00" w.c. ESP	315 CFM (150 l/s)
0.25" w.c. ESP	235 CFM (110 l/s)
0.50"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

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

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

Line Drawing

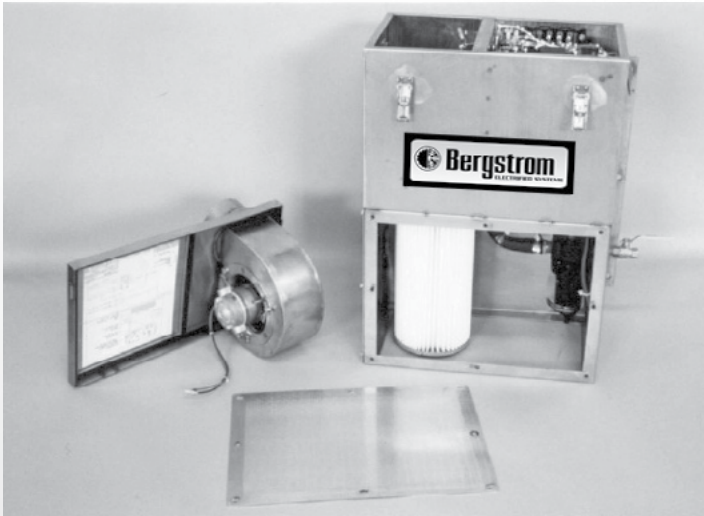


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Warranty

- 1-year limited warranty



Suggested Applications



Features

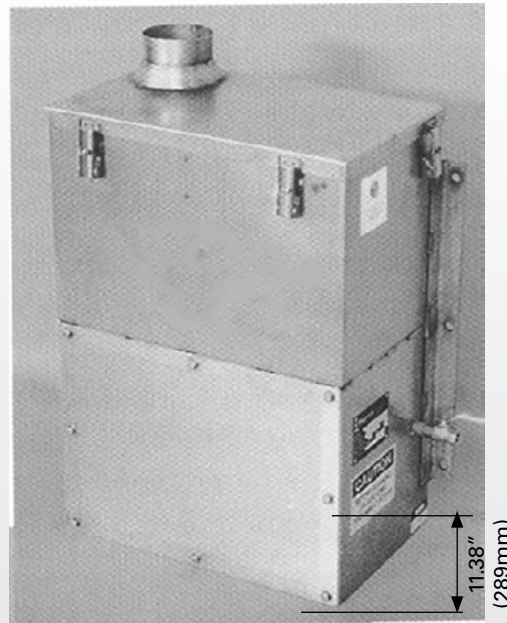
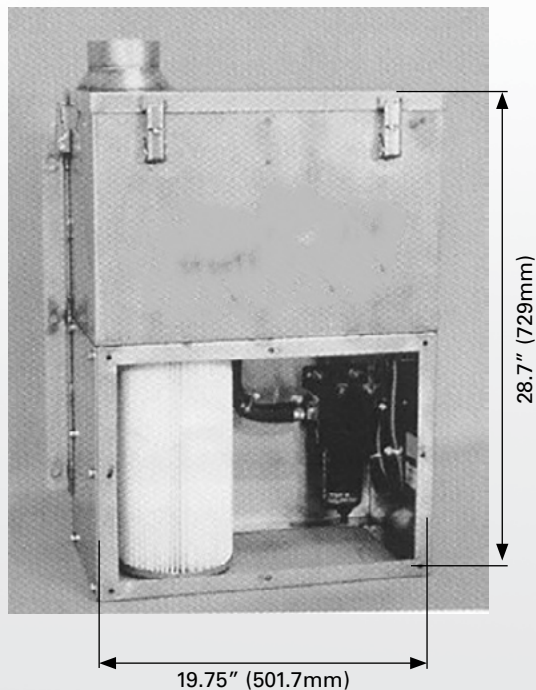
- Stainless steel construction
- Impact resistant cover
- Highly efficient and washable filter
- (2) fans mounted in series to provide high static pressure capability
- Designed for use in cabs and enclosures of typically heavy diesel driven machinery where compressed air source is available
- Fan cycle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

Technical Specifications

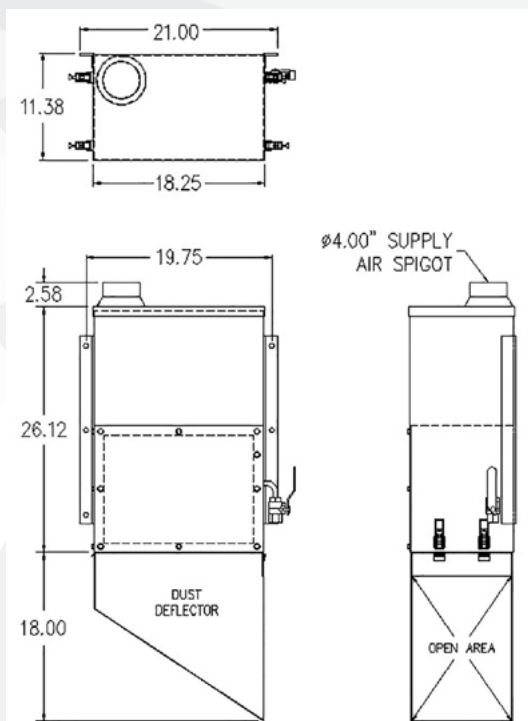
Model	FVW100 120V	FVW100 24V
Voltage	12V	24V
Amps	3 AMPS @ 120 V.A.C	7 AMPS @ 24 V.D.C.
Maximum air flow	365 SCFM (620 m³/hr)	365 SCFM (620 m³/hr)
Dimensions (W x H x D)	19.75in x 28.7in x 11.38in (501.7mm x 729mm x 289mm)	19.75in x 28.7in x 11.38in (501.7mm x 729mm x 289mm)
Weight	100 lb (45,5 kg)	100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



Line Drawing



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

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

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



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Warranty

- 1-year limited warranty

M-Series

The multipurpose M-Series is designed to be used on larger cabs where 3-phase electrical 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 m³/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 cooling, capacities may vary depending on supplied voltage.



Features

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

Suggested Applications



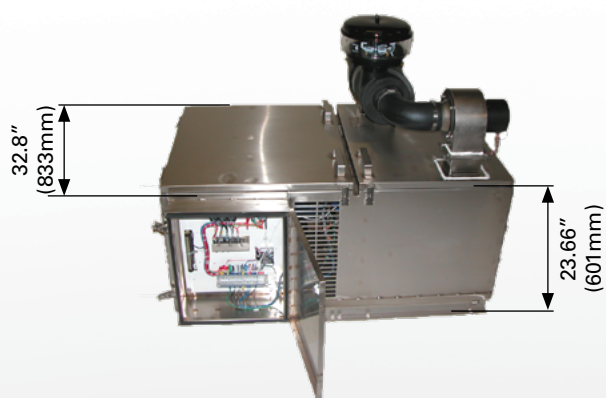
Technical Specifications

Model	MPV5
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 ³ /hr) Low: 500 SCFM (850 m ³ /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

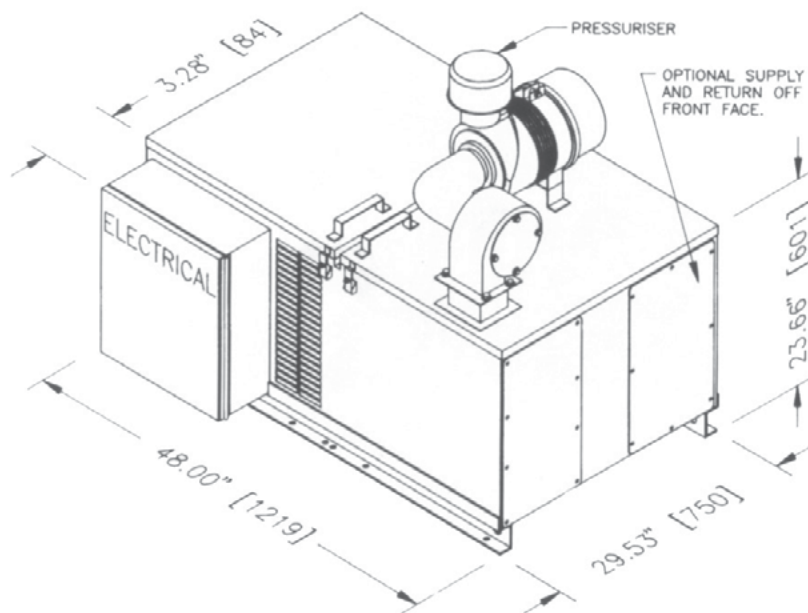
(*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

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.



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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 ³ /hr) Low: 870 SCFM (1,478 m ³ /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



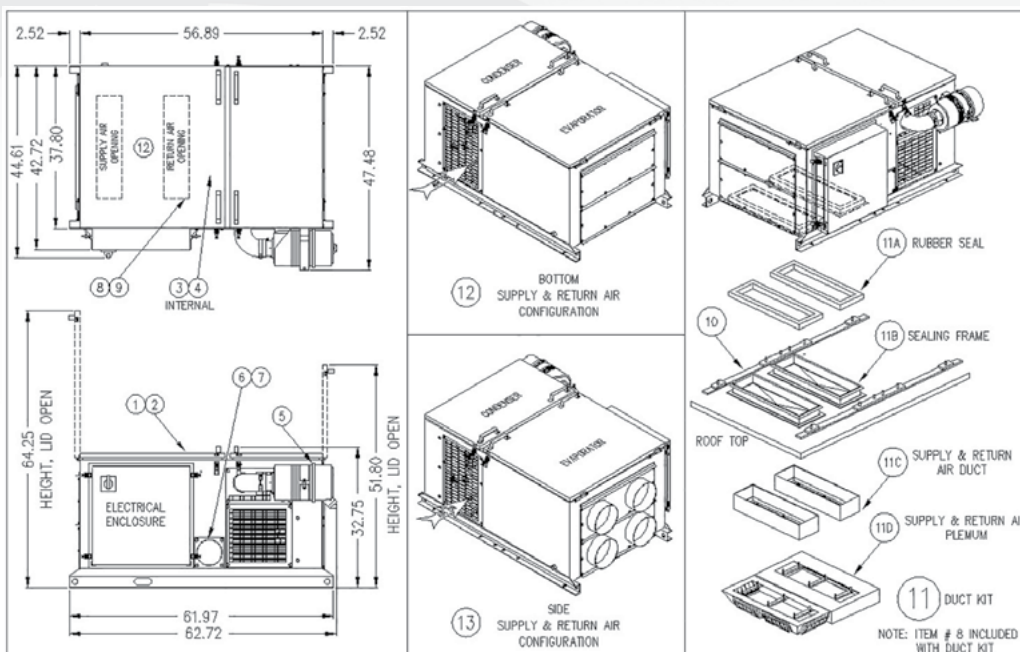
Model Specifications:	MPV5
Cooling Capacity	31,000 BTU/hr (8,9 kw)
Heating Capacity	41,000 BTU/hr (12,0 kw)
Heating Stages	2
Airflow - High Speed	1,300 CFM (610 l/s)
Airflow - Low Speed	870 CFM (410 l/s)
Compressor Type	Scroll
Pressurization	120 CFM (56 l/s)
Controls	110 VAC
Motor Protection	Circuit 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.

Line Drawing



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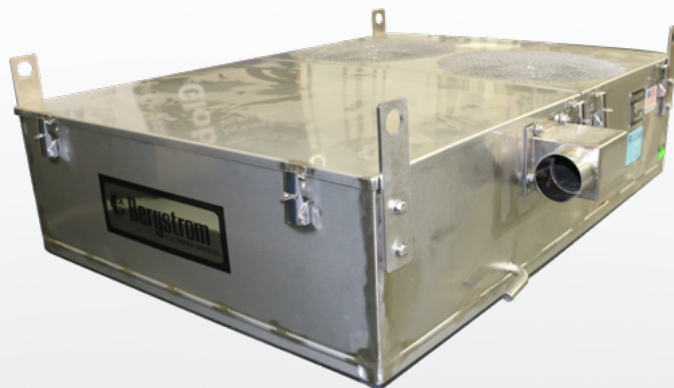
Warranty

- 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



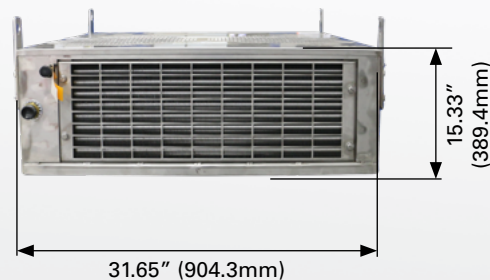
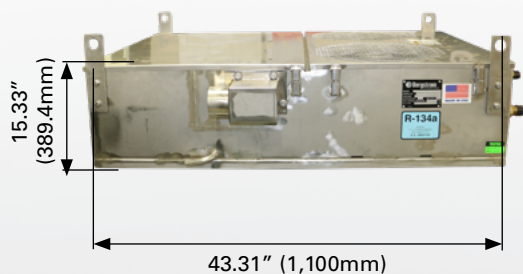
Technical Specifications

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 ³ /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

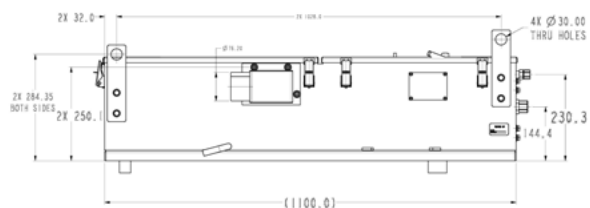
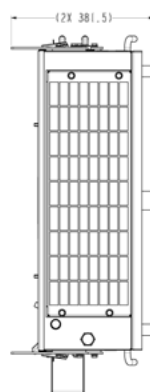
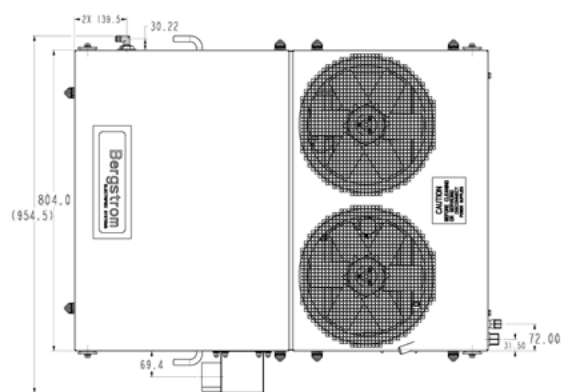
(*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

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



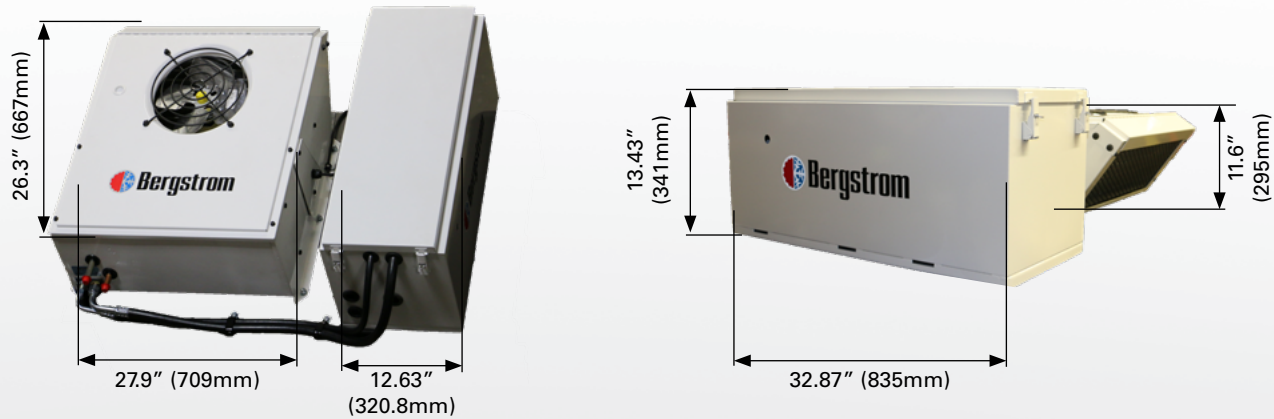
Technical Specifications

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 ³ /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

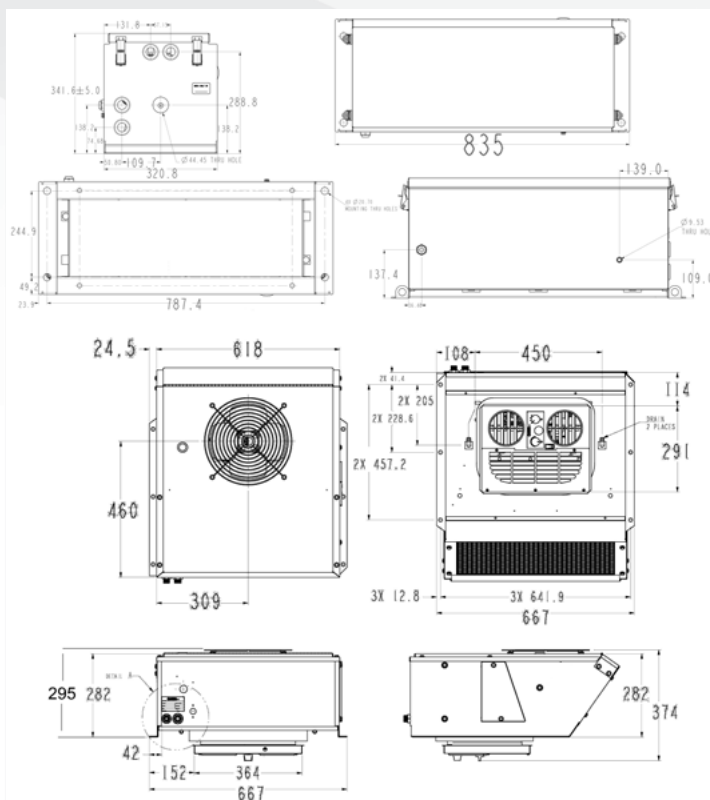
(*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

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

- 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



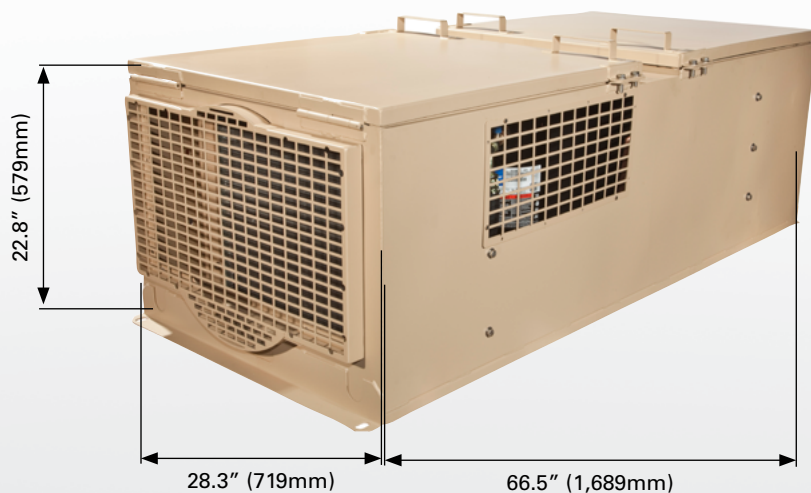
Technical Specifications

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	

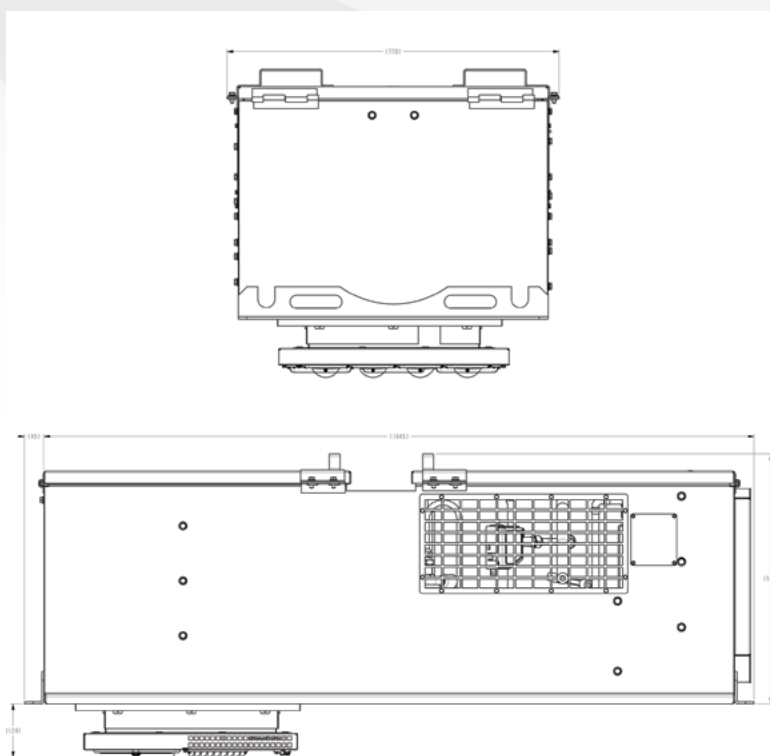
(*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: indoor 80°F DB/67°F WB with outdoor 110°F DB/60°F WB. Heating capacity is at rated voltage in accordance with SAEJ638.

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Dimensions layout



Line Drawing



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Warranty

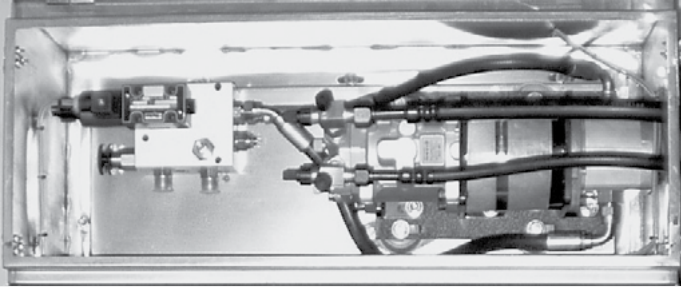
- 1-year limited warranty

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 ³ /hr)	400 CFM (190 l/s)	450 SCFM (764.55 m ³ /hr)	450 SCFM (764.55 m ³ /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



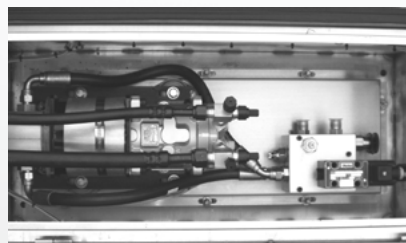
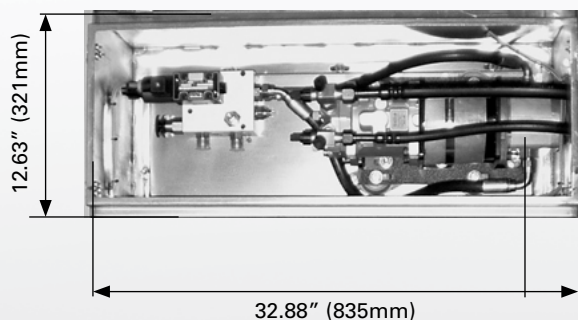
TPR6

Technical Specifications

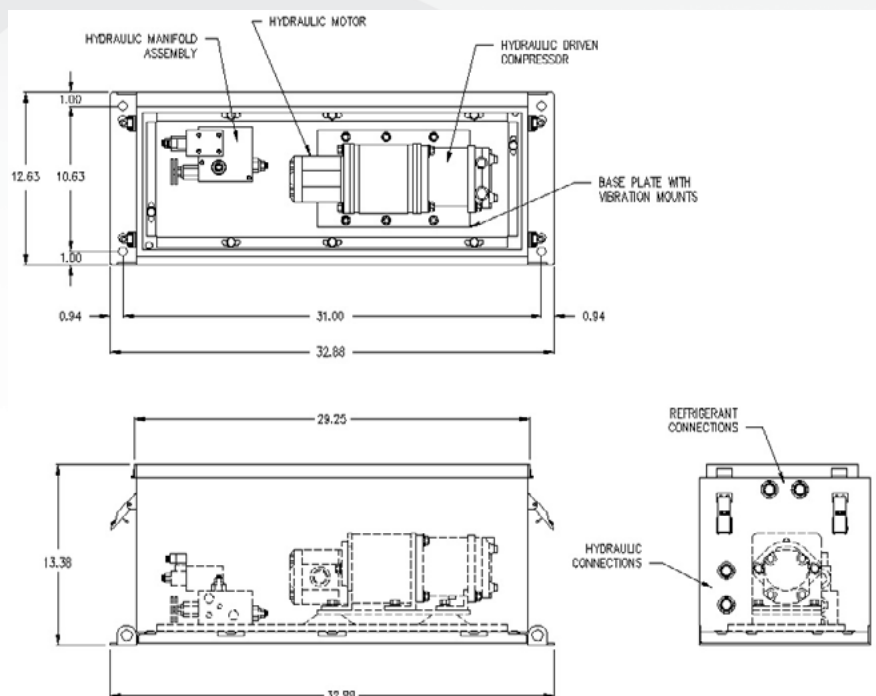
Model	TBV6 12V	TBV6 24V
Voltage	12V	24V
Dimensions (L x W x H)	32.88in x 12.63in x 13.38in (835mm x 321mm x 340mm)	32.88n x 12.63in x 13.38in (835mm x 321mm x 340mm)
Weight	100 lb (45,4 kg)	100 lb (45,4 kg)
Mounting Position	Rooftop or Deck	Rooftop or Deck

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

Dimensions layout



Line Drawing

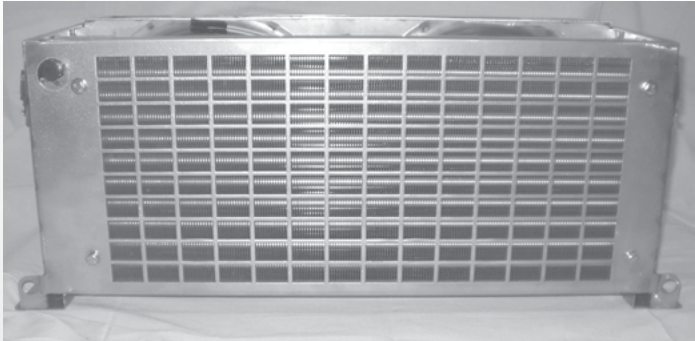


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Warranty

- 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



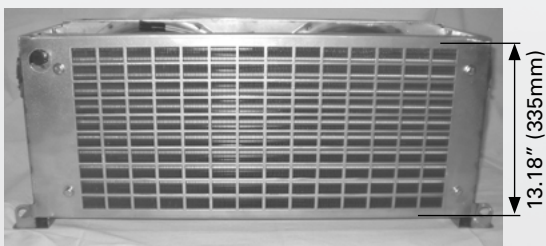
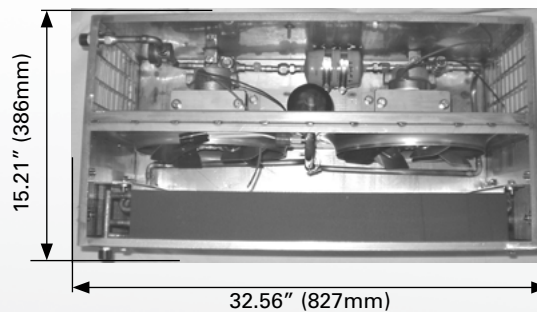
TPR6

Technical Specifications

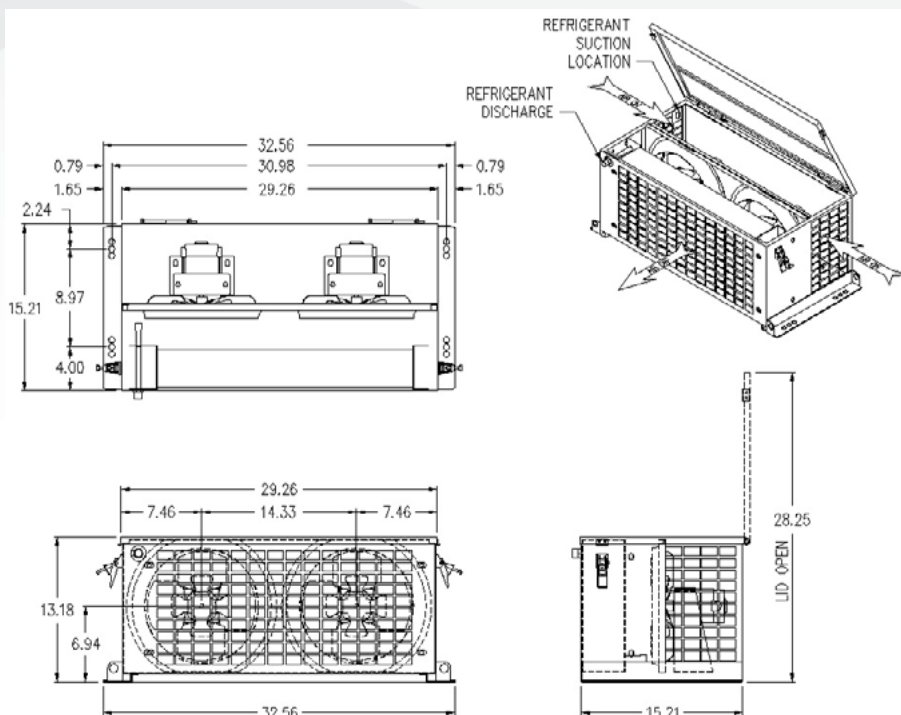
Model	TCR6 12V	TCR6 24V
Voltage	12V	24V
Capacity	For use up to 22,000 BTU/hr (6,4 kW)	For use up to 22,000 BTU/hr (6,4 kW)
Maximum air flow	2,400 SCFM (4,078 m³/hr)	2,400 SCFM (4,078 m³/hr)
Dimensions (L x W x H)	32.56n x 15.21in x 13.18in (827mm x 386mm x 335mm)	32.88n x 12.63in x 13.38in (835mm x 321mm x 340mm)
Weight	40 lb (18,1 kg)	40 lb (18,1 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 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 m³/hr) Medium: 350 SCFM (595 m³/hr) Low: 300 SCFM (510 m³/hr)
Dimensions (L x W x H)	40.39in x 39.22in x 10.55in (1,026mm x 996mm x 268mm)
Weight	150 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.

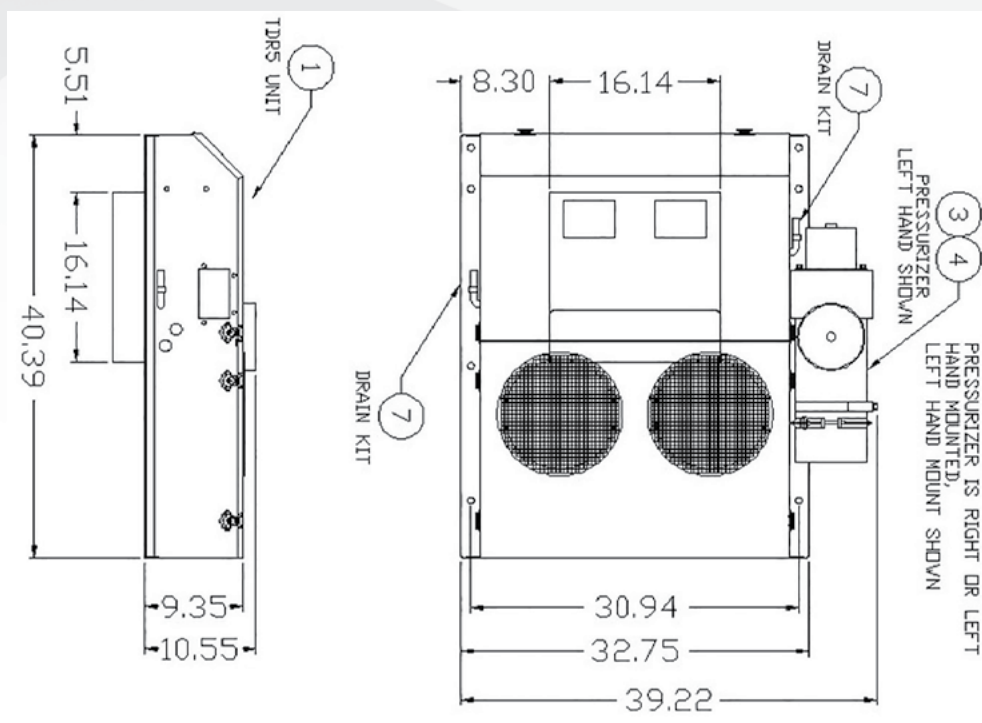
Unless otherwise stated, performance measurements are conducted in accordance with SAE J638 for heaters and IMACA 200 for evaporators.

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

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



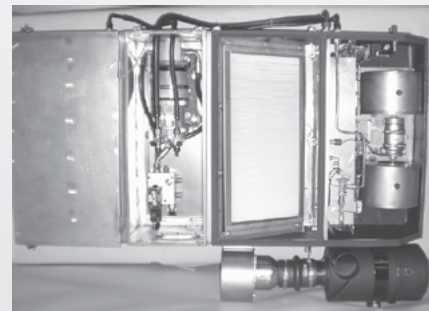
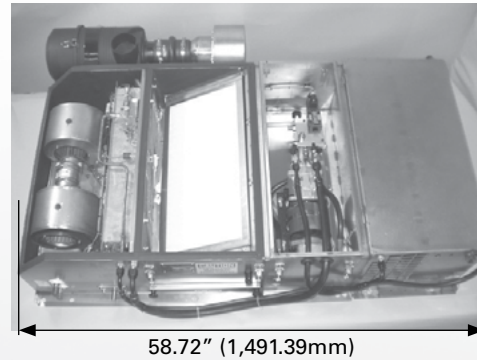
Technical Specifications

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 ³ /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

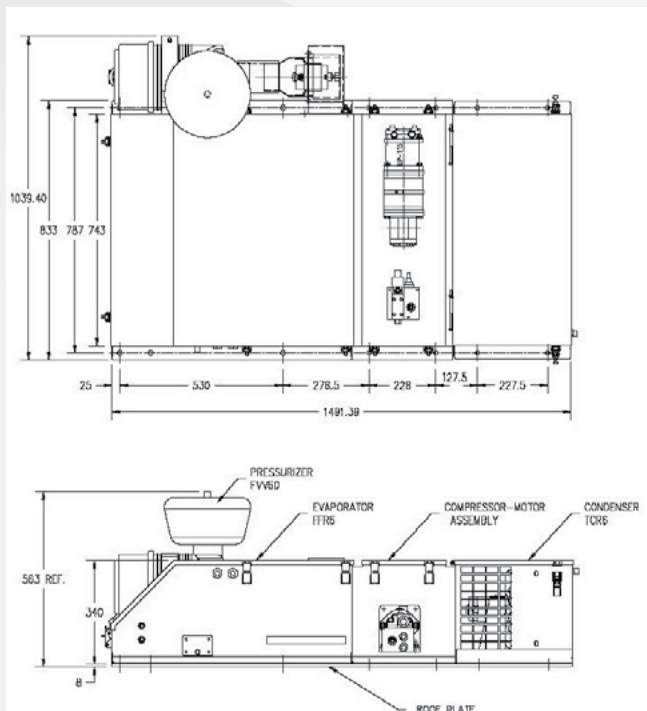
(*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: 100°F and 81°F FDB/67°F FWB (38°C and 27/19°C) return air.

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

Dimensions layout



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



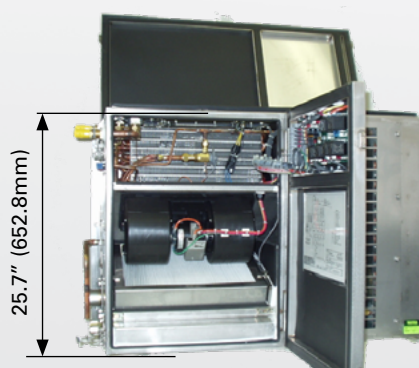
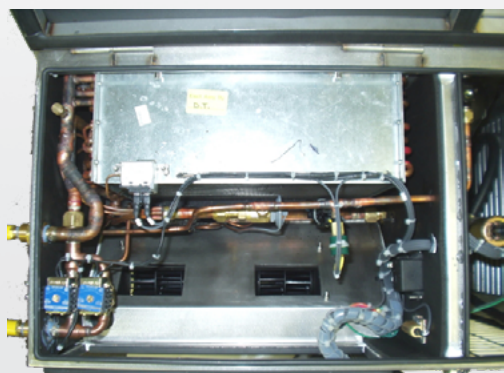
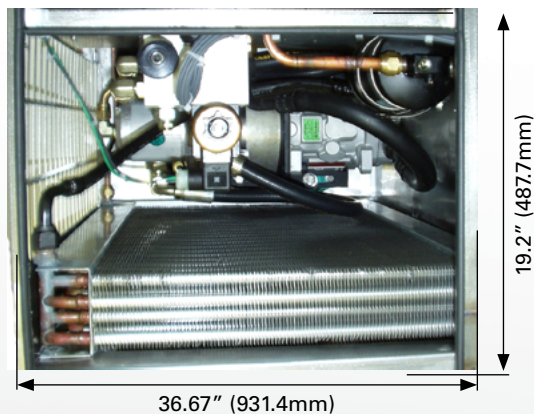
Technical Specifications

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 ³ /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

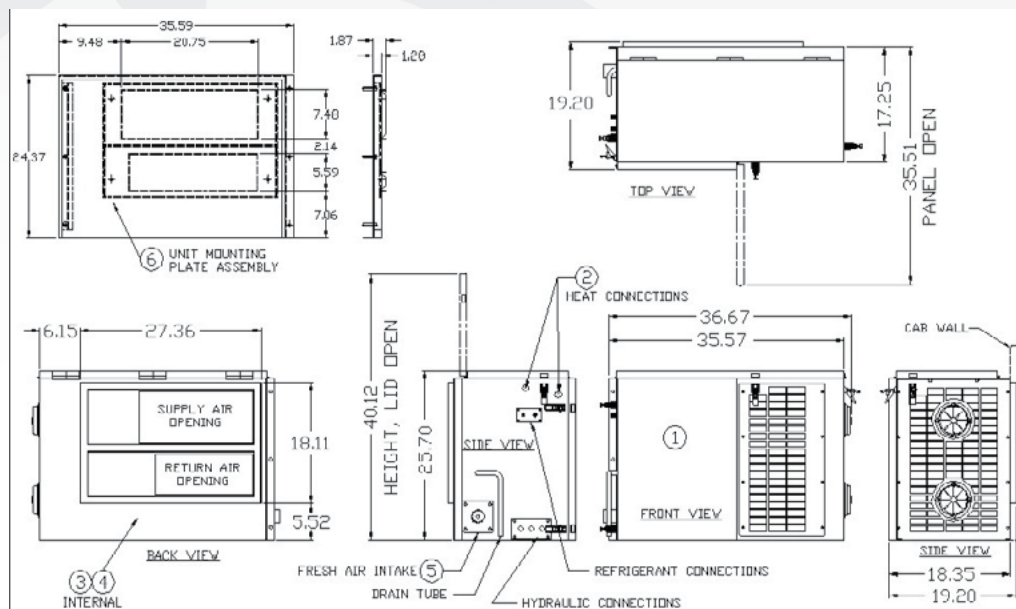
(*) System cooling capacity is based on system component-calculated capacities in accordance with IMACA 200 standard test conditions: 100°F and 81°F FDB/67°F FWB (38°C and 27/19°C) return air.

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

Dimensions layout



Line Drawing



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Warranty

- 1-year limited warranty

NOTES:

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School Bus Systems

Front Bulkhead Evaporator Unit	140
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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 School Bus systems have a 3-year warranty.

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Suggested Applications

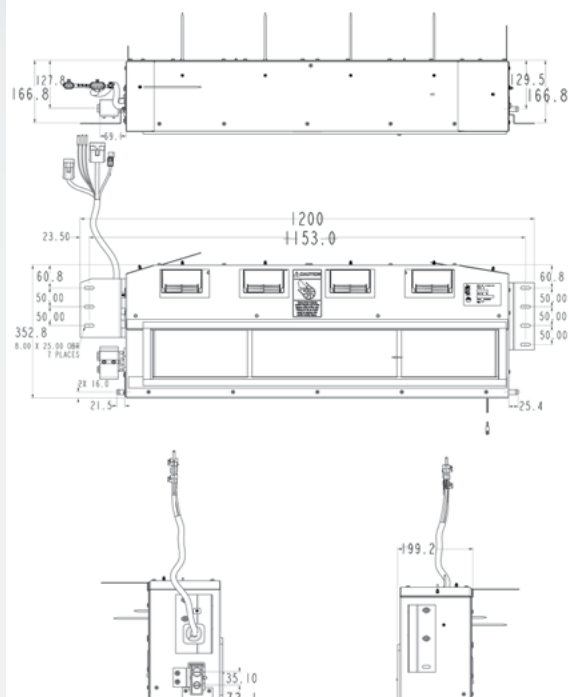


Features

- 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.)



Line Drawing



Front Bulkhead Unit Technical Specifications

Model	Front 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 m³/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	1002637500
Front Cover w/ Driver Duct Part Number	1001792107
Front Cover Part Number	1001444332

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

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



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Warranty

- 3-year limited warranty



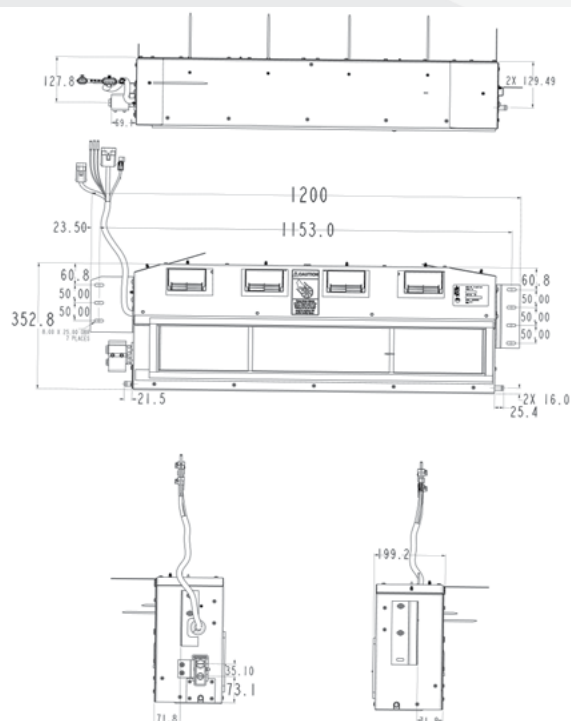
Features

- 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
- 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 m³/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	1002637500
Rear Cover Part Number	1001447961

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



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

Warranty

- 3-year limited warranty



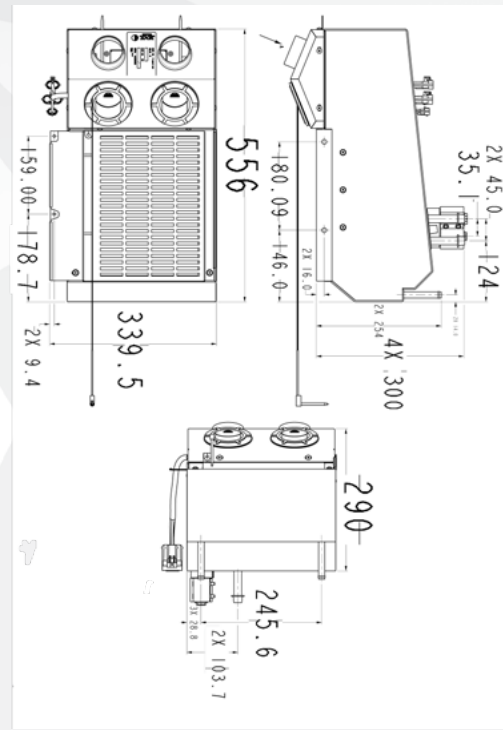
Features

- 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 m³/hr)
Dimensions (W x H x D)	13.37 in x 21.89 in x 11.42 in (339.5 mm x 556 mm x 290 mm)
Weight	68 lb (30,8 kg)
Mounting Position	Dash

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



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Suggested Compressor: Sanden SD7 Enhanced or Seltec TM-21

Warranty

- 3-year limited warranty



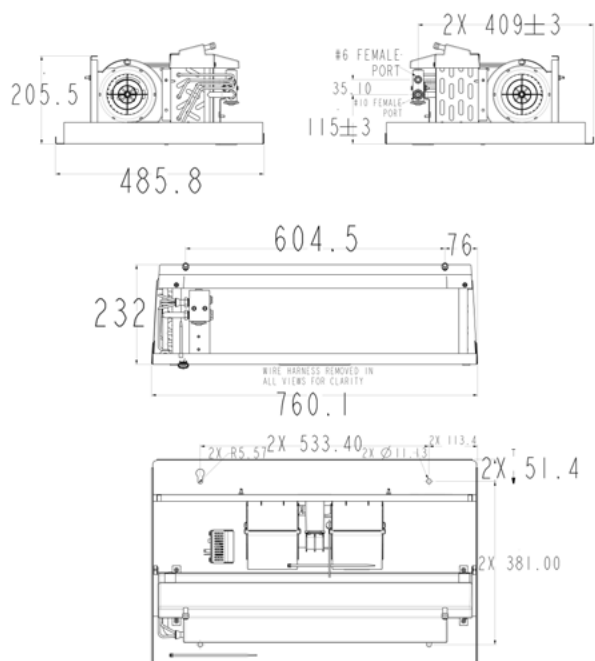
Suggested Applications



Features

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

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 m³/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	1002382256
Midship 1 Blower Cover Part Number (12 17/32" H)	1002243215
Midship 1 Blower Cover Part Number (12 1/2" H)	1002243216

*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



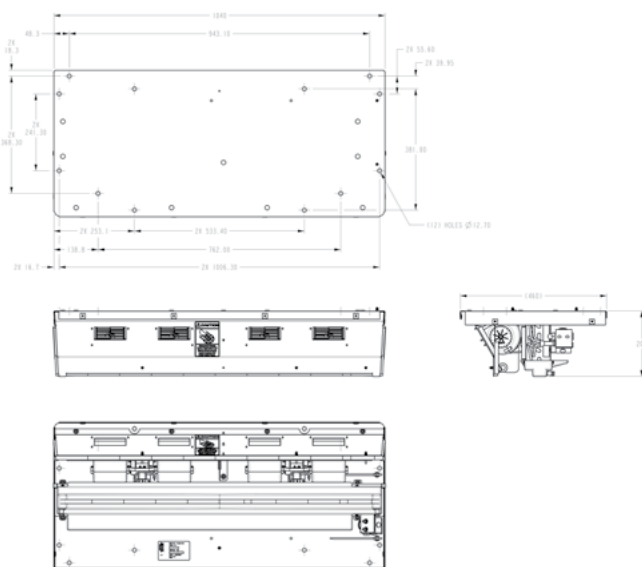
Features

- 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 m³/hr)
Dimensions (W x H x D)	30.55 in. x 14.57 in. x 26.18 in. 776 mm x 370 mm x 665 mm
Weight	30 lb (13,6 kg)
Mounting Position	Headliner

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



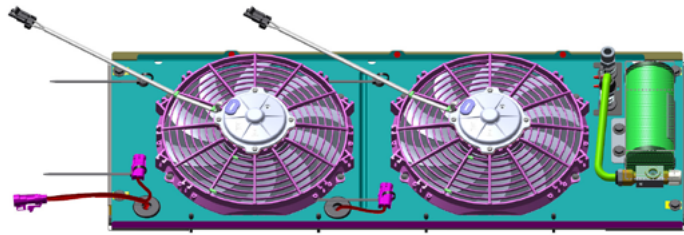
When placing an order please contact your sales representative to review your order to ensure the proper system has been identified for your vehicle application.

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

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Warranty

- 3-year limited warranty



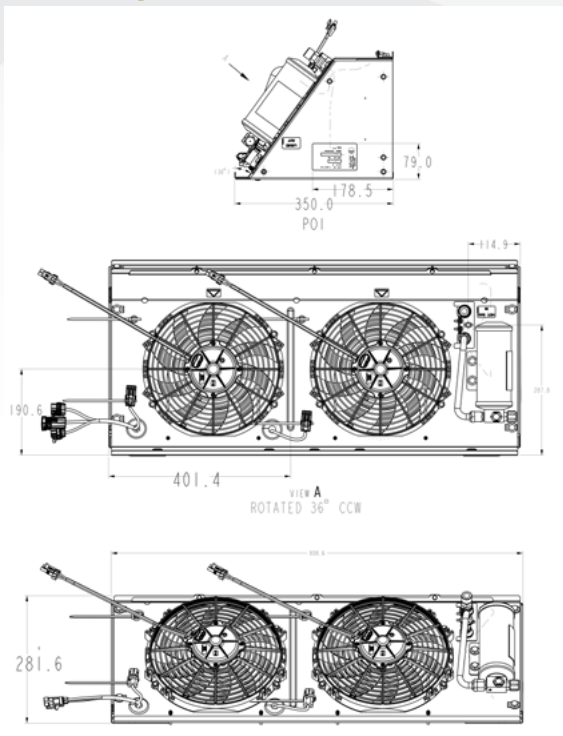
Features

- 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



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.



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Warranty

- 3-year limited warranty



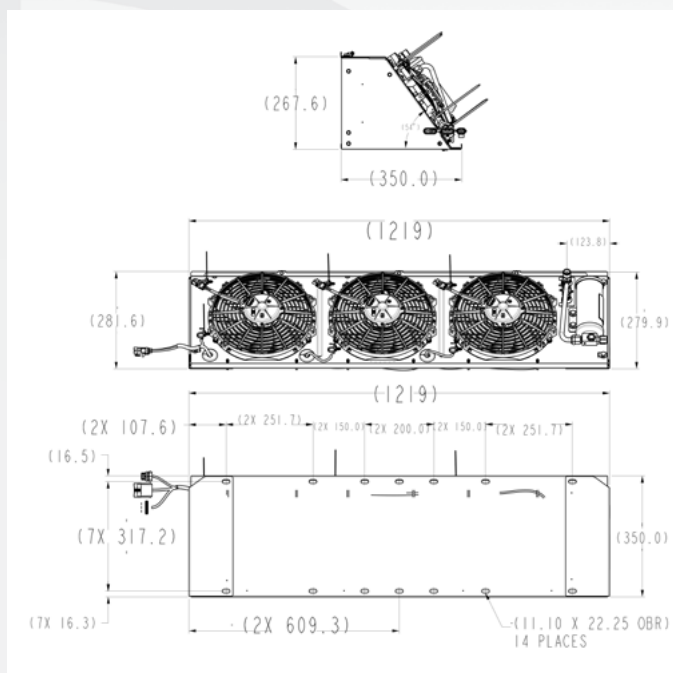
Features

- 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
- 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 ³ /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	1003008277

*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

Part No: 530794



Aluminum Tape

Part No: 550557



Tube Fitting

Part No: 560046



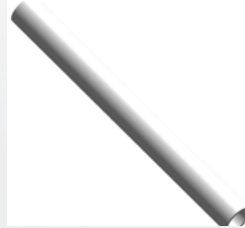
5/8" Gates Blue Strip Hose

Part No: 560169



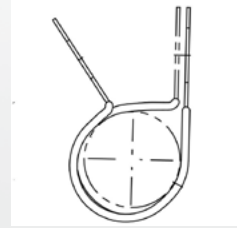
1" Gates Blue Strip Hose

Part No: 575750



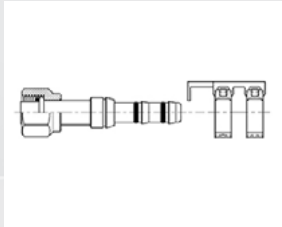
1/2" Drain Hose

Part No: 630063



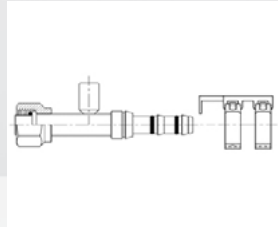
Insulation Cap

Part No: 1000021585



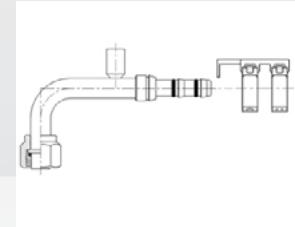
Straight Female No. 8 - No. 10 O-Ring Fitting with Clamp Assembly

Part No: 1000021925



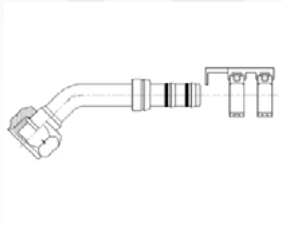
Straight Female No. 8 - No. 10 O-Ring Fitting with Switch or Service Port and Clamp Assembly

Part No: 1000022508



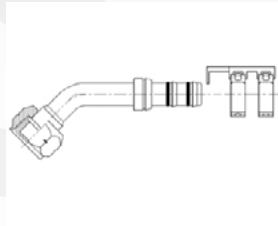
90° Female No. 8 - No. 10 O-Ring Fitting with Switch or Service Port and Clamp Assembly

Part No: 1000022610



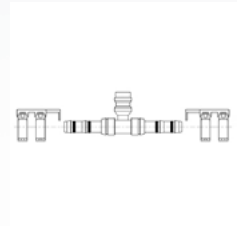
45° Female No. 8 - No. 10 O-Ring Fitting with Clamp Assembly

Part No: 1000022616



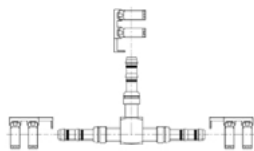
45° Female No. 10 - No. 12 O-Ring Fitting with Clamp Assembly

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



Part No: 1000174302



Hose Guard Grommet, 2.8in

Part No: 1000902271



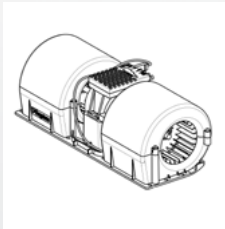
Expansion Valve with Solenoid

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



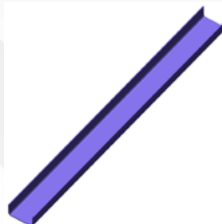
3-Speed Midship Fan SPTT Switch

Part No: 1001269150



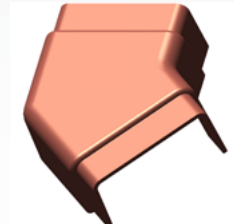
3-Speed Dash Fan SPTT Switch

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



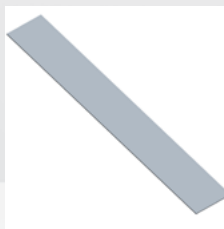
1/2" Drain Tee Fitting

Part No: 1001385828



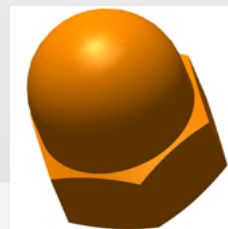
1/2" Drain Splice Fitting

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



Part No: 1001397759



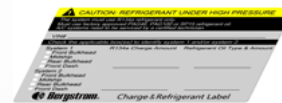
Low Pressure Switch

Part No: 1001402193



1/2" Hose Clamp

Part No: 1001402674



Bus Refrigerant Sticker

Part No: 1001404191



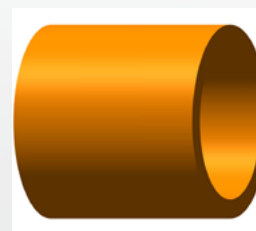
25.4 mm Tee Brass Fitting

Part No: 1001406901



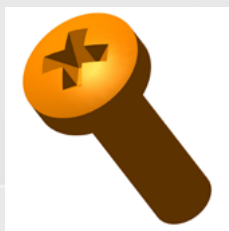
Bus Warranty Document

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



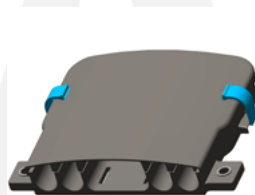
MIDI Fuse, 50A

Part No: 1001420500



MIDI Fuse, 80A

Part No: 1001421323



Power Distribution and Fuse Holder

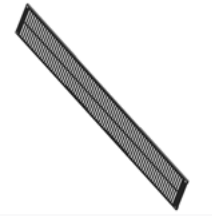
Part No: 1001426166



1-Speed Rear and Midship Fan DPST Switch



Part No: 1001444334



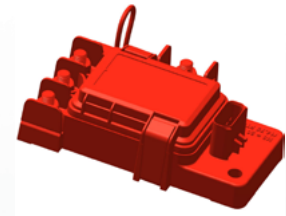
Filter Grille Weldment

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



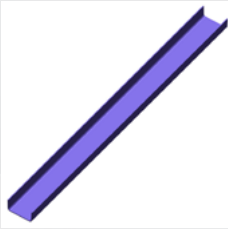
Rectangle Louver

Part No: 1001549546



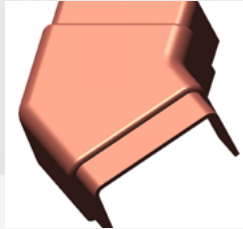
Nylon Snap Bushing

Part No: 1001574134



IC Corp Panel Duct

Part No: 1001574340



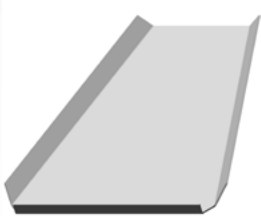
IC Corp Center Panel Duct

Part No: 1001574350



IC Corp Drain Hose Cover

Part No: 1001579532



IC Corp Rear Plastic Boot Panel

Part No: 1001579546



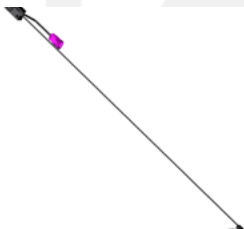
IC Corp Closeout Panel

Part No: 1001590271



1-Speed Dash Fan DPDT Switch

Part No: 1001595686



Electronic Freeze Switch

Part No: 1001608733



Trim Panel Retainer

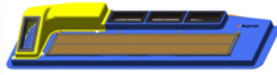
Part No: 1001660308



Fan Warning Decal

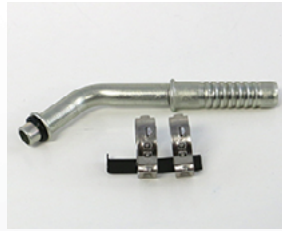


Part No: 1001793977



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



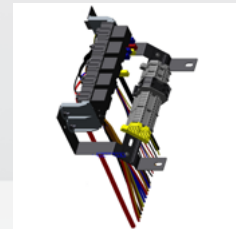
Hinged Screw Cover Cap

Part No: 1002274327



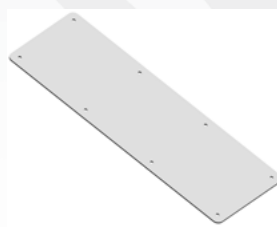
Pipe Lap Seal Insulation

Part No: 1002279857



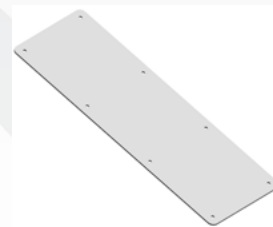
Bulkhead Control Panel, 5-Relay

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



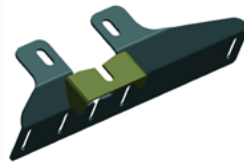
Dash Heat Valve Relocation Kit

Part No: 1003054341



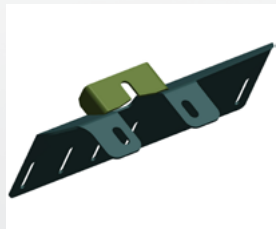
Front Bulkhead Bracket

Part No: 1003059074



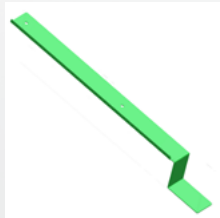
Rear Bulkhead Weldment Assembly Bracket, RH

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



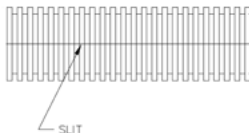
Hose Clamp

Part No: B300613



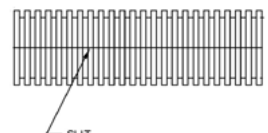
Edge Guard, Bulk

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

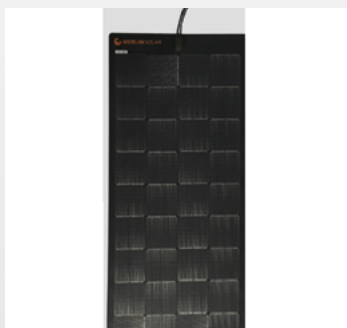
Solar Energy Systems



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





NAME

48 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



48 Cell Technical Specifications

Part No:	1002766560
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

Suggested Applications



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Warranty

- 5-year limited warranty

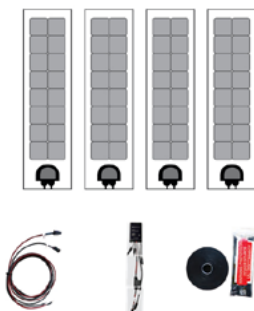


NAME

64 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



64 Cell Technical Specifications

Part No:	1002766561
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

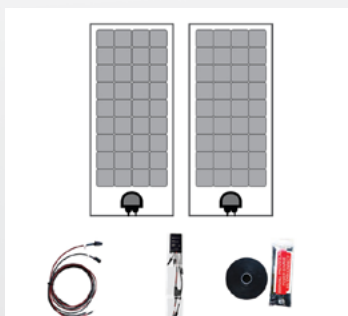
Solar Energy Systems



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

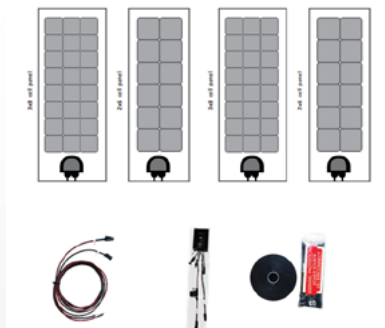


NAME

72 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



72 Cell Technical Specifications

Part No:	1002766565
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





NAME

96 CELL SOLAR PANEL

DESCRIPTION

Solar Energy Systems



96 Cell Technical Specifications

Part No:	1002766566
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

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

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





NAME

LIFT GATE KITS

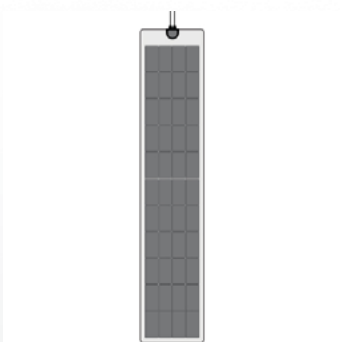
DESCRIPTION

Solar Energy Systems

Lift Gate Technical Specifications

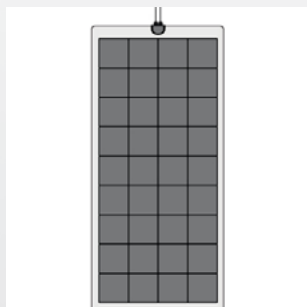
Part No:	1002839530
Description	105W panel and a Charge Controller, 8AWG Battery Cable, 12AWG Home Run Cable
Voltage	12V
Dimensions (L x W x T)	14.8 in x 73.4 in x 45/64 in (376 mm x 1871 mm x 17.8 mm)
Notes	44 half cell (4 x 11) per panel, 105 watt

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



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

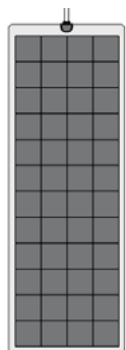


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Warranty

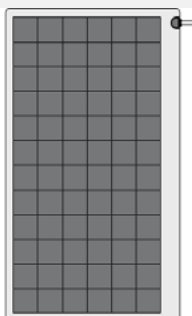
- 5-year limited warranty



Lift Gate Technical Specifications

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

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



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

UVC AIR FILTER UNDERSEAT SYSTEM

DESCRIPTION

UVC Air Filter Systems



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.

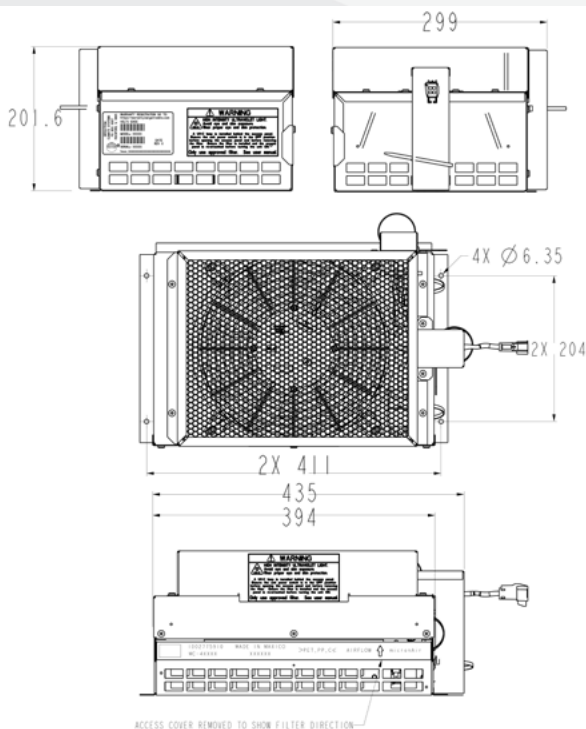
Benifits

- 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

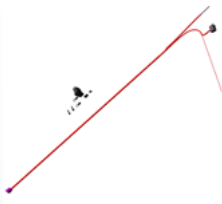


Underseat Technical Specifications

Model	Dash
Voltage	12V
Amps	7 A/h
Maximum air flow	250 CFM (424.8 m³/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	1003088137

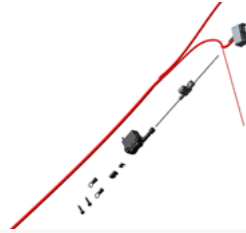


Part No: 1003091375



UVC Air Filter Installation Kit, IC Bus

Part No: 1003097759



UVC Air Filter Installation Kit, Blue Bird and Thomas Bus



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Warranty

- 3-year limited warranty

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1002206104	154	B200115	22	TCR6	129, 132
1002207730	65	B200307	22	TDR5	129, 134
1002207731	65	B202208	22	TPR6	129, 136
1002217887	81	B220743	35	TPW5	129, 138
1002218122	81	B220990	61, 63		

System Warranty Information

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

**Bergstrom**

Bergstrom Warranty
Welcome to the Bergstrom Warranty website

Account Registration
To submit a warranty claim for your product you must first have an account for your location. Click the link below to fill out the registration form.
[Registration](#)

Submit Warranty Claim

Account Number	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Continue"/>	
Login problems? 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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