



PRODUCTS CATALOG

2021

TABLE OF CONTENTS

REEFER ROOFTOPS FOR VANS

Technical Data KABAIR 10RT	p.2
Technical Data KABAIR 14RT	p.3
Technical Data KABAIR 16RT	p.4

REEFER NOSE MOUNT FOR TRUCK

Technical Data KABAIR 14	p.5
Technical Data KABAIR 16	p.6
Technical Data KABAIR 18	p.7
Technical Data KABAIR 20	p.8

REEFER BATTERY POWERED UNIT

Technical Data KABAIR 8RT-E	p.9
Technical Data KABAIR 10RT-E	p.10
Technical Data KABAIR 14-E	p.11

REEFER NOSE MOUNT FOR TRUCK

Technical Data KABAIR 53TR	p.12
----------------------------------	------



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



**PERFECT FOR SMALL
REFRIGERATED
TRUCK**



DESCRIPTION

The transit van refrigeration unit is vehicle engine driven; rooftop mounted, and split system.

The machine key components is using high quality components, the use of green refrigerant R134a/R404a, has chilled or frozen functions, it is small size, cooling fast, precise temperature control, reliable performance.

The refrigeration system is driven by the vehicle engine through a belt of the compressor, and a refrigeration cycle through certain, to achieve rapid temperature decrease in the cabinet, so as to achieve refrigeration, freezing effect.

SPECIFICATIONS

Model	Specs
KA10-ART	-5°C (23°F) 8350 BTU/H 2450W
KA10-BRT	-15°C (5°F) 4175 BTU/H 1225W
Temperature rating in container	-15°C ~ +25°C (5°F to 77°F)
Voltage	DC12V
Driven method	Rooftop mounted & Split and vehicle engine driven unit
Suitable refrigerated cargo box (m3)	2 ~ 4m ³ (70.63ft ³ to 141.25ft ³)
Defrosting function	R404a Hot gas defrost (Auto./Man.)
Compressor	96cc/r; 108cc/r
Refrigerant	R134a/R404a, 0.9kg
Heating function	Optional
Controller	Electronic digital controller
Dimensions (mm)	Evaporator 610x530x160 (24.02x20.86x6.30 inch) Condenser 700x700x185 (27.56x27.56x7.28 inch)
Suitable vehicle	Refrigerated cargo vans

STANDARD FEATURES

Model :
KABAIR 10RT,
Van refrigeration unit

Driven Type :
Engine Direct Driven

Refrigerant :
R134a or R404a

Installation :
Roof mounted condenser

Application :
2-4m³ (70.63ft³ to 141.25ft³)
refrigerated van bodies



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



**PERFECT FOR SMALL
REFRIGERATED
TRUCK**



DESCRIPTION

Our KABAIR 14RT van refrigeration unit is vehicle engine driven; rooftop mounted, and split system.

The machine key components is using high quality components, the use of green refrigerant R134a/R404a, has chilled or frozen functions, it is small size, cooling fast, precise temperature control, reliable performance.

The refrigeration system is driven by the vehicle engine through a belt of the compressor, and a refrigeration cycle through certain, to achieve rapid temperature decrease in the cabinet, so as to achieve refrigeration, freezing effect.

SPECIFICATIONS

Model	Specs
KA14-ART	-35°F (1.7°C) 10600 BTU/H 3100W
KA14-BRT	0°F (-17.8°C) 6100 BTU/H 1800W
Temperature rating in container	-20°C ~ +25°C (-4°F to 77°F)
Voltage	DC12V
Driven method	Rooftop mounted & Split and vehicle engine driven unit
Suitable refrigerated cargo box (m3)	4 ~ 6.5m ³ (141.25ft ³ to 229.54ft ³)
Defrosting function	R404a Hot gas defrost (Auto./Man.)
Compressor	108cc/r; 138cc/r
Refrigerant	R134a/R404a, 1.1kg
Heating function	Optional
Controller	Electronic digital controller
Dimensions (mm)	Evaporator 857x570x175 (33.74x22.44x6.89 inch) Condenser 870x865x190 (34.25x34.05x7.48 inch)
Suitable vehicle	Refrigerated cargo vans

STANDARD FEATURES

Model :
KABAIR 14RT,
Van refrigeration unit

Driven Type :
Engine Direct Driven

Refrigerant :
R134a or R404a

Installation :
Roof mounted condenser

Application :
2.6-5m³ (70.62ft³ to 176.57ft³)
refrigerated van bodies



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



**PERFECT FOR SMALL
REFRIGERATED
TRUCK**



DESCRIPTION

The KABAIR 16RT van refrigeration unit is vehicle engine driven; rooftop mounted, and split system.

The machine key components is using high quality components, the use of green refrigerant R134a/R404a, has chilled or frozen functions, it is small size, cooling fast, precise temperature control, reliable performance.

The refrigeration system is driven by the vehicle engine through a belt of the compressor, and a refrigeration cycle through certain, to achieve rapid temperature decrease in the cabinet, so as to achieve refrigeration, freezing effect.

SPECIFICATIONS

Model	Specs
KA16-ART	35°F (1.7°C) 14650 BTU/H 4300W
KA16-BRT	0°F (-17.8°C) 8875 BTU/H 2300W
Temperature rating in container	-20°C ~ +25°C (-4°F to 77°F)
Voltage	DC12V
Driven method	Rooftop mounted & Split and vehicle engine driven unit
Suitable refrigerated cargo box (m3)	4 ~ 8.5m³ (141.25ft³ to 300ft³)
Defrosting function	R404a Hot gas defrost (Auto./Man.)
Compressor	138cc/r
Refrigerant	R134a/R404a, 1.2kg
Heating function	Optional
Controller	Electronic digital controller
Dimensions (mm)	Evaporator 857x570x175 (33.75x22.44x6.89 inch) Condenser 920x920x250 (36.22x36.22x9.84 inch)
Suitable vehicle	Refrigerated cargo vans

STANDARD FEATURES

Model :
KABAIR 16RT,
Van refrigeration unit

Driven Type :
Engine Direct Driven

Refrigerant :
R134a or R404a

Installation :
Roof mounted condenser

Application :
2-8m³ (70.63ft³ to 282.51ft³)
refrigerated van bodies



FULL DIGITAL CONTROL



DESCRIPTION

The KABAIR 14 truck refrigeration unit is built to last. It is running with the motor of the vehicle. It is front mounted and has a split system. Our machine keys component is:

- Use of green refrigerant R134a/R404a
- Frozen functions
- Precise temperature control
- Reliable performance
- High quality component
- Robust building
- Cooling fast

Our refrigeration system is driven by the vehicle using the compressor's belt and passes through refrigeration to obtain rapid temperature decrease in the cabinet. The system makes you achieve refrigeration and freezing effect quicker than any other system.

SPECIFICATIONS

Model		Specs
Temperature rating in container		-20°C ~ +25°C (-4°F to 77°F)
Voltage		DC12V
Driven method		Split and vehicle engine driven unit
Defrosting function		R404a Hot gas defrost (Auto./Man.)
Compressor		138cc/r
Refrigerant		R134a/R404a, 1.2kg
Heating function		Optional
Controller		Electronic digital controller
Dimensions (mm)	Evaporator	857x570x175 (33.75x22.44x6.89 inch)
	Condenser	780x450x381 (30.71x17.71x15 inch)
Applicable refrigerated truck body		2.9 ~ 3.6m (9.51 to 12ft)

SKU	Evaporator return air	In transit	Stand by
KA14-A	35°F (1.7°C)	10500 BTU/H (3100W)	
KA14-B	0°F (-17.8°C)	6000 BTU/H (1750W)	
KA14-AST	35°F (1.7°C)		7675 BTU/H (2250W)
KA14-BST	0°F (-17.8°C)		3800 BTU/H (1100W)

STANDARD FEATURES

Model :
KABAIR 14,
Truck refrigeration unit

Driven Type :
Engine Direct Driven

Refrigerant :
R134a or R404a

Installation :
Front mounted condenser,
evaporator inside the box

Application :
5-11m³ (176ft³ to 390ft³)
refrigerated truck bodies



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



DESCRIPTION

The KABAIR 18 truck refrigeration unit is built to last. It is running with the motor of the vehicle. It is front mounted and has a split system. Our machine keys component is:

- Use of green refrigerant R404a
- Frozen functions
- Precise temperature control
- Reliable performance
- High quality component
- Robust building
- Cooling fast

Our refrigeration system is driven by the vehicle using the compressor's belt and passes through refrigeration to obtain rapid temperature decrease in the cabinet. The system makes you achieve refrigeration and freezing effect quicker than any other system.

SPECIFICATIONS

Model	Specs
Temperature rating in container	-20°C ~ +25°C (-4°F to 77°F)
Voltage	DC12V
Driven method	Split and vehicle engine driven unit
Defrosting function	R404a Hot gas defrost (Auto./Man.)
Compressor	138cc/r
Refrigerant	R404a, 1.7kg
Heating function	Optional
Controller	Electronic digital controller
Dimensions (mm)	Evaporator 1020x648x220 (40.16x25.51x8.66 inch) Condenser 970x535x375 (38.19x21.06x14.76 inch)
Applicable refrigerated truck body	3.6 ~ 4.2m (11.81ft to 13.78ft)

SKU	Evaporator return air	In transit	Stand by
KA16-A	35°F (1.7°C)	14625 BTU/H (4300W)	
KA16-B	0°F (-17.8°C)	8750 BTU/H (2600W)	
KA16-AST	35°F (1.7°C)		13400 BTU/H (3900W)
KA16-BST	0°F (-17.8°C)		5600 BTU/H (1650W)

STANDARD FEATURES

Model :

KABAIR 16 / AS,
Truck refrigeration unit is vehicle engine driven, front mounted, and split system.

Driven Type :

Engine Direct Driven

Refrigerant :

R134a or R404a

Installation :

Front mounted condenser, evaporator inside the box

Application :

8-12m³ (282.52ft³ to 423.78ft³)
refrigerated truck bodies



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



DESCRIPTION

The KABAIR 18 truck refrigeration unit is built to last. It is running with the motor of the vehicle. It is front mounted and has a split system. Our machine keys component is:

- Use of green refrigerant R404a
- Frozen functions
- Precise temperature control
- Reliable performance
- High quality component
- Robust building
- Cooling fast

Our refrigeration system is driven by the vehicle using the compressor's belt and passes through refrigeration to obtain rapid temperature decrease in the cabinet. The system makes you achieve refrigeration and freezing effect quicker than any other system.

SPECIFICATIONS

Model		Specs
Temperature rating in container		-18°C ~ +25°C (-0.4°F to 77°F)
Voltage		DC12V
Driven method		Split and vehicle engine driven unit
Defrosting function		R404a Hot gas defrost (Auto./Man.)
Compressor		155cc/r
Refrigerant		R404a, 2.2~2.6kg
Heating function		Optional
Controller		Electronic digital controller
Dimensions (mm)	Evaporator	1255x585x190 (49.41x23.03x7.48 inch)
	Condenser	1178x585x403 (46.38x23.03x15.87 inch)
Applicable refrigerated truck body		4.2 ~ 5.6m (13ft to 16ft)

SKU	Evaporator return air	In transit	Stand by
KA18-A	35°F (1.7°C)	14650 BTU/H (4300W)	
KA18-B	0°F (-17.8°C)	8800 BTU/H (2600W)	
KA18-AST	35°F (1.7°C)		14850 BTU/H (4350W)
KA18-BST	0°F (-17.8°C)		6000 BTU/H (1750W)

STANDARD FEATURES

Model :

KABAIR 18 / AS,
Truck refrigeration unit is vehicle engine driven, front mounted, and split system.

Driven Type :

Engine Direct Driven

Refrigerant :

R404a

Installation :

Front mounted condenser, evaporator inside the box

Application :

12-18m³ (423.78ft³ to 635.66ft³)
refrigerated truck bodies



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



DESCRIPTION

The KABAIR 20 truck refrigeration unit is built to last. It is running with the motor of the vehicle. It is front mounted and has a split system. Our machine keys component is:

- Use of green refrigerant R404a
- Frozen functions
- Precise temperature control
- Reliable performance
- High quality component
- Robust building
- Cooling fast

Our refrigeration system is driven by the vehicle using the compressor's belt and passes through refrigeration to obtain rapid temperature decrease in the cabinet. The system makes you achieve refrigeration and freezing effect quicker than any other system.

SPECIFICATIONS

Model		Specs
Temperature rating in container		-18°C ~ +25°C (-0.4°F to 77°F)
Voltage		DC12V
Driven method		Split and vehicle engine driven unit
Defrosting function		R404a Hot gas defrost (Auto./Man.)
Compressor		212cc/r
Refrigerant		R404a, 3.2kg
Heating function		Optional
Controller		Electronic digital controller
Dimensions (mm)	Evaporator	1517x649x267 (59.72x25.55x10.51 inch)
	Condenser	1385x589x400 (54.53x23.19x15.75 inch)
Applicable refrigerated truck body		6.2 ~ 7.6m (20.34ft to 25ft)

SKU	Evaporator return air	In transit	Stand by
KA20-A	35°F (1.7°C)	20500 BTU/H (6100W)	
KA20-B	0°F (-17.8°C)	10500 BTU/H (3000W)	
KA20-AST	35°F (1.7°C)		16000 BTU/H (4600W)
KA20-BST	0°F (-17.8°C)		6300 BTU/H (2000W)

STANDARD FEATURES

Model :
KABAIR 20,
Truck refrigeration unit

Driven Type :
Engine Direct Driven

Refrigerant :
R404a

Installation :
Front mounted condenser,
evaporator inside the box

Application :
25-30m³ (6.2-7.6m)
(882ft³ to 1060ft³)
refrigerated truck bodies



**EASY
INSTALLATION**



**FULL
DIGITAL CONTROL**



STANDARD FEATURES

Model : KABAIR 8RT-E, Battery Powered Refrigeration Unit

Driven Type : Battery Powered Driven

Refrigerant : R134a/R404a, 0.5kg~0.6kg

Compressor : 15cc/r, 18cc/r or 26cc/r

Installation : Split Design, build-in DC compressor

Application : Small refrigerated vans & electric cargo vehicles

SPECIFICATIONS

Model	Specs
KA8-ARTE	-5°C (23°F) 3753 BTU/H 1100W
KA8-BRTE	-10°C (50°F) 3400 BTU/H 1000W
Temperature rating in container	-15°C ~ +25°C (5°F to 77°F)
Control voltage	DC12V
Driven method	Split & rooftop mounted and battery driven unit, build-in DC compressor
Applicable refrigerated truck body	2 ~ 2.6m (6.56ft to 8.6ft)
Defrosting function	R404a Hot gas defrost (Auto./Man.)
Build-in Compressor	15cc/r, 18cc/r or 26cc/r
Refrigerant	R134a/R404a, 0.6 ~0.8kg
Heating function	Optional
Controller	Electronic digital controller
Dimensions (mm)	Evaporator 610x530x160 (24.01x20.87x6.30 inch)
	Condenser 865x660x210 (34.05x25.98x8.27 inch)
Suitable vehicle	Refrigerated cargo vans
Compressor voltage	DC12V / 24V / 48V / 60V / 72V etc.

**PROTECTION****PERFECT FOR SMALL REFRIGERATED TRUCK****STANDARD FEATURES**

Model : KABAIR 10RT-E, Battery Powered Refrigeration Unit

Driven Type : Battery Powered Driven

Refrigerant : R134a/R404a, 0.5kg~0.7kg

Compressor : 15cc/r, 18cc/r or 26cc/r

Installation : Split Design, build-in DC compressor

Application : Small refrigerated vans & electric cargo vehicles

DESCRIPTION

The transit van refrigeration unit is vehicle engine driven; rooftop mounted, and split system.

The machine key components is using high quality components, the use of green refrigerant R134a/R404a, has chilled or frozen functions, it is small size, cooling fast, precise temperature control, reliable performance.

The refrigeration system is driven by the vehicle engine through a belt of the compressor, and a refrigeration cycle through certain, to achieve rapid temperature decrease in the cabinet, so as to achieve refrigeration, freezing effect.

SPECIFICATIONS

Model		Specs
KA10-ARTE		-5°C (23°F) 4435 BTU/H 1300W
KA10-BRTE		-10°C (50°F) 3753 BTU/H 1100W
Temperature rating in container		-15°C ~ +25°C (5°F to 77°F)
Control voltage		DC12V
Driven method		Split & rooftop mounted and battery driven unit, build-in DC compressor
Dimensions (mm)	Evaporator	857x570x175 (33.74x22.44x6.89 inch)
	Condenser	920x920x250 (36.22x36.22x9.84 inch)
Defrosting function		R404a Hot gas defrost (Auto./Man.)
Build-in Compressor		15cc/r, 18cc/r or 26cc/r
Refrigerant		R134a/R404a, 0.6~0.8kg
Heating function		Optional
Controller		Electronic digital controller
Applicable vehicles		Refrigerated van body
Compressor voltage		DC12V / 24V / 48V / 60V / 72V etc.



FULL DIGITAL CONTROL



STANDARD FEATURES

- Model :** KABAIR 14-E, DC Powered Air Conditioner
- Product Name :** DC powered air conditioner
- Driven Type :** Battery Powered Driven
- Installation :** Rooftop mounted & mono-block
- Compressor :** 15cc/r or 18cc/r
- Application :** Trucks, commercial vehicles and electric vehicles

SPECIFICATIONS

Model		Specs
KA14-AE		-5°C (23°F) 5500 BTU/H 1620W
KA14-BE		-10°C (50°F) 5000 BTU/H 1450W
Temperature rating in container		-15°C ~ +25°C (5°F to 77°F)
Control voltage		DC12V
Driven method		Split & front mounted and battery driven unit, build-in DC compressor
Suitable refrigerated cargo box (m³)		8 ~ 12m³ (280 to 425ft³)
Defrosting function		R404a Hot gas defrost (Auto./Man.)
Build-in Compressor		15cc/r, 18cc/r or 26cc/r
Refrigerant		R134a/R404a, 1.5~1.7kg
Heating function		Optional
Controller		Electronic digital controller
Dimensions (mm)	Evaporator	1020x648x220 (40.16x25.51x8.66 inch)
	Condenser	1178x585x403 (46.38x23.03x15.86 inch)
Applicable refrigerated truck body		2 to 8m (9,51~13,78 ft)
Compressor voltage		DC12V / 24V / 48V / 60V / 72V etc.



SPECIFICATIONS

Model		KA53-TR
Ambient temperature		30°C (86°F)
Cooling capacity		-20°C to 0°C (-4°F to 32°F)
BTU/H (Watts)		37200 BTU/H (10900W) - 66500 BTU/H (19500W)
Refrigerant		R404a, 7.5kg (16.53 lbs)
Temperature range in cabin		-20°C ~ +25°C (-4°F to 77°F)
Voltage		DC12V
Opening size of trailer box body		1696x1168 mm (66.77x45.98 inch)
Dimensions (mm)	Evaporator	1685x1150x592 (66.34x45.27x8.03 inch)
	Condenser	1945x2270x592 (76.57x89.37x23.31 inch)

Original Perkins diesel engine

Intelligent control

Donaldson fuel filter drier

Donaldson lubricating oil filter

Donaldson receiver drier



HIGH EFFICIENCY DIESEL ENGINE

- Original Perkins diesel engine specially for reefer truck
- High efficiency 4 cylinder diesel engine
- Power reach 25.8KW at 19000 rpm/min
- 14.6L lubricating oil



RELIABEL TRANSMISSION

- Reliabel electromagnetic clutch
- Stable mechanical transmission steering gear



INTELLIGENT CONTROL

- Rotate speed accurate controller
- CAN control
- High/low speed conversion mode



SUPER LONG MAINTENANCE INTERVAL

- High/low speed conversion mode
- 3000hours maintenance interval
- Donaldson lubricating oil filter
- Donaldson fuel filter drier
- Donaldson high efficiency AC receiver drier
- Long acting low temperature antifreeze

STANDARD FEATURES

Heat exchange system :

- High efficiency micro-channel condenser
- High efficiency plate heat exchanger

Rapid and safe cooling :

- Refrigerant : R404a, 7.5kg
- 13m long distance airflow fans, temperature uniformity

Option function :

- Fuel heater
- Evaporator drain extension pipe
- Color painting
- Unit anti-collision protector

Intelligent heating system :

- Automatic system hot gas heating

Compressor :

- 4 cylinder
- Displacement : 650cc
- Double unloader valves

Accessory Insects :

- Hail and other sundry protection nets
- Reliable mechanical lock and triple lock
- Aluminium fuel tank
- Fuel level sensor
- Installation kits



INTELLIGENT CONTROL

- Accurate & intelligent control system
- Auto start/stop fuel saving mode
- Sleep/wakeup mode
- Data real time monitoring system
- Self check function
- Hot gas defrost
- Cargo protect system
- Airflow protect system
- Defrost intelligent control
- Multi OSD language
- Fahrenheit/Celsius display

HUMAN COMPUTER INTERACTION

- Humanized image display
- Internet of things remote control and check
- Intelligent pre self check and fault diagnosis
- High speed USB transmission interface

INTELLIGENT CONTROL SYSTEM

- Engine low oil pressure switch protection
- Engine high coolant temperature switch protection
- Engine rotate speed protection
- Exhaust gas temperature protection
- System HP protection
- System LP protection
- System voltage protection
- System electric current protection
- Fuel heating protection DOOR switch
- System HP/LP real time monitoring



3065 Peugeot St.
Laval - QC
H7L 5C4 - Canada



(1) 833-452-2247



info@kabair.ca

www.kabairreefer.com