

# PRODUCTS CATALOG 2021

## **TABLE OF CONTENTS**

### **REEFER ROOFTOPS FOR VANS**

p.2	KABAIR 10RT	cal Data	Technica
p.3	KABAIR 14RT	cal Data	Technica
p.4	KABAIR 16RT	cal Data	Technica

### **REEFER NOSE MOUNT FOR TRUCK**

Technical Data KABAIR 14p.5
Technical Data KABAIR 16p.6
Technical Data KABAIR 18p.7
Technical Data KABAIR 20p.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 53TRp.1	12
-------------------------------	----



### **REEFER ROOFTOPS FOR VANS**

### **KABAIR 10RT**



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

FEAT	Specs	Model	
<b>Mo</b> KABAI	-5°C (23°F) 8350 BTU/H 2450W -15°C (5°F) 4175 BTU/H 1225W -15°C ~ +25°C (5°F to 77°F)	KA10-ART KA10-BRT Temperature rating in container	
Van refrig	DC12V	Voltage	
<b>Driver</b> Engine Di	Rooftop mounted & Split and vehicle engine driven unit	Driven method	
Refrig R134a d	$2 \sim 4m^3$ (70.63ft <sup>3</sup> to 141.25ft <sup>3</sup> )	Suitable refrigerated cargo box (m3)	
K 134a (	R404a Hot gas defrost (Auto./Man.)	Defrosting function R404a Hot gas defi	
Instal	96cc/r; 108cc/r	Compressor	
Roof mounte	R134a/R404a, 0.9kg	Refrigerant	
NOT DECIMAN	Optional	Heating function	
Applic	Electronic digital controller	Controller	
2-4m³ (70.631 refrigerated	610x530x160 (24.02x20.86x6.30 inch) 700x700x185 (27.56x27.56x7.28 inch)	Dimensions (mm) Evaporator Condenser	
	Refrigerated cargo vans	Suitable vehicle	



**Model :** KABAIR 10RT, Van refrigeration unit

Driven Type : Engine Direct Driven

Refrigerant : R134a or R404a

Installation : Roof mounted condenser

Application : 2-4m<sup>3</sup> (70.63ft<sup>3</sup> to 141.25ft<sup>3</sup>) refrigerated van bodies



### **REEFER ROOFTOPS FOR VANS**

### **KABAIR 14RT**

**STANDARD** 



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	FEATURES
KA14-ART KA14-BRT Temperature rating in container	-35°F (1.7°C) 10600 BTU/H 3100W 0°F (-17.8°C) 6100 BTU/H 1800W -20°C ~ +25°C (-4°F to 77°F)	<b>Model :</b> KABAIR 14RT, Van refrigeration unit
Voltage Driven method	DC12V Rooftop mounted & Split and vehicle engine driven unit	<b>Driven Type :</b> Engine Direct Driven
Suitable refrigerated cargo box (m3)	4 ~ 6.5m <sup>3</sup> (141.25ft <sup>3</sup> to 229.54ft <sup>3</sup> )	<b>Refrigerant :</b> R134a or R404a
Defrosting function Compressor Refrigerant	R404a Hot gas defrost (Auto./Man.) 108cc/r; 138cc/r R134a/R404a, 1.1kg	Installation : Roof mounted condenser
Heating function Controller Dimensions (mm) Evaporator Condenser	Optional Electronic digital controller 857x570x175 (33.74x22.44x6.89 inch) 870x865x190 (34.25x34.05x7.48 inch)	Application : 2.6-5m³ (70.62ft³ to 176.57ft³) refrigerated van bodies
Suitable vehicle	Refrigerated cargo vans	



### **REEFER ROOFTOPS FOR VANS**

### **KABAIR 16RT**



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**

		FEATU
Model	Specs	FEATO
KA16-ART	35°F (1.7°C)   14650 BTU/H   4300W	Mode
KA16-BRT	0°F (-17.8°C) 8875 BTU/H 2300W	KABAIR
Temperature rating in container	-20°C ~ +25°C (-4°F to 77°F)	Van refriger
Voltage	DC12V	
Driven method	Rooftop mounted & Split and vehicle engine driven unit	Driven 1 Engine Dire
Suitable refrigerated cargo box (m3)	4~8.5m3 (141.25ft3 to 300ft3)	<b>Refrige</b> R134a or
Defrosting function	R404a Hot gas defrost (Auto./Man.)	
Compressor	138cc/r	Installa
Refrigerant	R134a/R404a, 1.2kg	Roof mounted
Heating function	Optional	Applica
Controller	Electronic digital controller	2-8m <sup>3</sup> (70.63ft <sup>3</sup>
Dimensions (mm) Evaporator	857x570x175 (33.75x22.44x6.89 inch)	refrigerated v
Dimensions (mm) Condenser	920x920x250 (36.22x36.22x9.84 inch)	5
Suitable vehicle	Refrigerated cargo vans	

### **STANDARD** URES

del: R 16RT, eration unit

Type : ect Driven

erant : r R404a

ation : d condenser

ation : <sup>3</sup> to 282.51ft<sup>3</sup>) van bodies



### **KABAIR 14**

(A)

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:

Model

- Use of green refrigerant R134a/R404a
- Frozen functions
- Precise temperature control
- Reliable performance

### SPECIFICATIONS

Temperature rating in container Voltage Driven method Defrosting function Compressor Refrigerant Heating function Controller Dimensions (mm) Evaporator Condenser 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.

Specs -20°C ~ +25°C (-4°F to 77°F) DC12V Split and vehicle engine driven unit R404a Hot gas defrost (Auto./Man.) 138cc/r R134a/R404a, 1.2kg Optional Electronic digital controller 857x570x175 (33.75x22.44x6.89 inch) 780x450x381 (30.71x17.71x15 inch) 2.9 ~ 3.6m (9.51 to 12ft)

### 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

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)

**Application :** 5-11m<sup>3</sup> (176ft<sup>3</sup> to 390ft<sup>3</sup>) refrigerated truck bodies



### **KABAIR 16**



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:

Model

- Use of green refrigerant R404a
- Frozen functions
- Precise temperature control
- Reliable performance

### SPECIFICATIONS

**Dimensions (mm)** 

KABA

- High quality component
- Robust building
- Cooling fast

Specs

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.

Temperature rating in container -20°C ~ +25°C (-4°F to 77°F) Voltage DC12V Split and vehicle engine driven unit **Driven method Defrosting function** R404a Hot gas defrost (Auto./Man.) Compressor 138cc/r Refrigerant R404a, 1.7kg Heating function Optional Controller Electronic digital controller 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)

### 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, aporator inside the box

**Application**: m<sup>3</sup> (282.52ft<sup>3</sup> to 423.78ft<sup>3</sup>) efrigerated truck bodies

SKU	Evaporator return air	In transit	Stand by	eva
KA16-A	35°F (1.7°C)	14625 BTU/H (4300W)	CONTRACTOR OF	8-12r
KA16-B	0°F (-17.8°C)	8750 BTU/H (2600W)		ref
KA16-AST	35°F (1.7°C)		13400 BTU/H (3900W)	101
KA16-BST	0°F (-17.8°C)		5600 BTU/H (1650W)	
			-	



### **KABAIR 18**



### 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:

Model

- Use of green refrigerant R404a
- Frozen functions
- Precise temperature control
- Reliable performance

### SPECIFICATIONS

Temperature rating in container Voltage Driven method Defrosting function Compressor Refrigerant Heating function Controller Dimensions (mm) Evaporator Condenser

• H	ligh	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.

Specs  $-18^{\circ}C \sim +25^{\circ}C (-0.4^{\circ}F to 77^{\circ}F)$ DC12V Split and vehicle engine driven unit R404a Hot gas defrost (Auto./Man.) 155cc/r R404a, 2.2~2.6kg Optional Electronic digital controller 1255x585x190 (49.41x23.03x7.48 inch) 1178x585x403 (46.38x23.03x15.87 inch) 4.2~5.6m (13ft to 16ft)

### 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 : 12-18m<sup>3</sup> (423.78ft<sup>3</sup> to 635.66ft<sup>3</sup>) refrigerated truck bodies

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)



**L** (1) 833-452-2247

www.kabairreefer.com

### **KABAIR 20**



### DESCRIPTION

The KABAIR 20 truck refrigeration unit is built to last. It is running with the motor of the vehicule. 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

**Dimensions (mm)** 

Model Specs -18°C ~ +25°C (-0.4°F to 77°F) Temperature rating in container 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 1517x649x267 (59.72x25.55x10.51 inch) Evaporator Condenser 1385x589x400 (54.53x23.19x15.75 inch) 6.2~7.6m (20.34ft to 25ft) Applicable refrigerated truck body

#### STANDARD FEATURES

Model: KABAIR 20, Truck refrigeration unit

**Driven Type : Engine Direct Driven** 

> **Refrigerant:** R404a

Installation : Front mounted condenser, evaporator inside the box

ication : (6.2-7.6m) to 1060ft3) d truck bodies

				evaporator
SKU	Evaporator return air	In transit	Stand by	Applic 25-30m <sup>3</sup>
KA20-A	35°F (1.7°C)	20500 BTU/H (6100W)		(882ft <sup>3</sup> to
KA20-B	0°F (-17.8°C)	10500 BTU/H (3000W)		refrigerated
KA20-AST	35°F (1.7°C)		16000 BTU/H (4600W)	C
KA20-BST	0°F (-17.8°C)		6300 BTU/H (2000W)	



### **REEFER BATTERY POWERED UNIT**

### **KABAIR 8RT-E**



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

		ant a		
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.		



### **REEFER BATTERY POWERED UNIT**

### **KABAIR 10RT-E**



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

### 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			
Dimonsions (mm)   Evaporator	857x570x175 (33.74x22.44x6.89 inch)			
Dimensions (mm) 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 vehicules	Refrigerated van body			
Compressor voltage	DC12V / 24V / 48V / 60V / 72V etc.			

### 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.



www.kabairreefer.com

### **REEFER BATTERY POWERED UNIT**

### KABAIR 14-E



#### 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 (m <sup>3</sup> )		8 ~ 12m <sup>3</sup> (280 to 425ft <sup>3</sup> )		
Defrosting function		R404a Hot gas defrost (Auto./Man.)		
Build-in Compressor		15cc/r, 18cc/r or 26cc/r		
	Refrigerant	R134a/R404a	a, 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.		
	Co D Suitable refrigerat Defro Build-in Hea Dimensions (mm) Applicable	KA14-AE KA14-BE KA14-BE Control voltage Driven method Suitable refrigerated cargo box (m <sup>3</sup> ) Defrosting function Build-in Compressor Refrigerant Heating function Controller Dimensions (mm) Evaporator Condenser	KA14-AE KA14-BE-5°C (23°F) -10°C (50°F)Temperature rating in container Control voltage-15°C ~ +25°C DC12VDriven methodDC12VDriven methodSplit & front n driven unit, but 8 ~ 12m³ (280 (m³)Suitable refrigerated cargo box (m³)8 ~ 12m³ (280 15cc/r, 18cc/rDefrosting function Build-in CompressorR404a Hot ga 15cc/r, 18cc/rRefrigerant Heating function ControllerR134a/R404a Electronic dig 1020x648x22 1178x585x40Dimensions (mm)Evaporator Condenser1020x648x22 1178x585x40 2 to 8m (9,51)	KA14-AE KA14-BE-5°C (23°F)5500 BTU/H 5000 BTU/HTemperature rating in container Control voltage-10°C (50°F)5000 BTU/HTemperature rating in container Control voltage-15°C ~ +25°C (5°F to 77°F)DC12VDriven methodSplit & front mounted and ba driven unit, build-in DC comprSuitable refrigerated cargo box (m³)Split & front mounted and ba 



### **REEFER TRAILER 48 FEET UP**

### **KABAIR 53TR**



### SPECIFICATIONS

Model Ambient temperature Cooling capacity BTU/H (Watts) Refrigerant Temperature range in cabin Voltage Opening size of

trailer box body

Dimensions (mm) Condenser KA53-TR 30°C (86°F) -20°C to 0°C (-4°F to 32°F) 37200 BTU/H (10900W) -66500 BTU/H (19500W)

R404a, 7.5kg (16.53 lbs) -20°C ~+25°C (-4°F to 77°F) DC12V

1696x1168 mm (66.77x45.98 inch)

1685x1150x592 (66.34x45.27x8.03 inch) 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 effiency 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



### **REEFER TRAILER 48 FEET UP**

### **KABAIR 53TR**

### **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

- Acurate &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
- Farenheit/Clesius display

# HUMAN COMPUTER

- · Humanized image display
- Internet of thigns 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



🕽 www.kabairreefer.com

📞 (1) 833-452-2247



### 9

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

(1) 833-452-2247

info@kabair.ca

www.kabairreefer.com