

GREETINGS

Welcome to AT-THERMO. Co., Ltd.

As a specialist in vehicle refrigeration systems, AT-THERMO. Co., Ltd. is growing rapidly by competing with many domestic and overseas competitors. Unlike general industrial refrigerators, this system requires high reliability to maintain freshness and optimal temperatures while moving to various areas. It provides high performance under bad conditions by accurate temperature control. Many overseas customers have recognized our technology for its quality and advantages.

Our products, exported to Southeast Asia, the Middle East, South America, etc., are well-known as refrigeration systems that can be applied to harsh environments and unfavorable conditions. We are broadening our value through our innovative technology and better-quality products.

We will try hard and hard to become a leading manufacturer in the global market.
We sincerely thank you for your interest and support.

Thank you.



President & CEO
AT-THERMO. Co., Ltd

PRODUCTS OVERVIEW

MAIN TYPE (Vehicle Engine Driven Refrigeration Unit)



RX-100



RX-200 / RX-200ES Optional



RX-200 Mini



RX-400 / RX-400ES Optional



RX-500 / RX-500ES Optional



RX-700 / RX-700ES Optional



[TATA DAEWOO OEM] RX-500



[TATA DAEWOO OEM] RX-700

MAIN TYPE (Vehicle Engine Driven Refrigeration Unit)



RX-800HL



RX-900



RX-1000



RX-500D



RX-700D



RX-900D

PRODUCTS OVERVIEW

MAIN TYPE (Vehicle Engine Driven Refrigeration Unit)



RT-200HL / RT-200HLes Optional



RT-400HL / RT-400HLes Optional



RT-500HL / RT-500HLes Optional

ELECTRIC VEHICLE TYPE (Under Development)



EV-300 / EV-400

SUB TYPE (Diesel Engine Driven Refrigeration Unit)



AT-700S / AT-700ES Optional



AT-800S / AT-800ES Optional



AT-900S / AT-900ES Optional



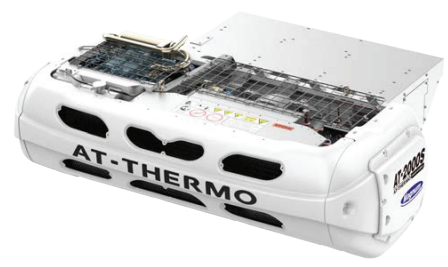
AT-1000S / AT-1000ES Optional



AT-1200S / AT-1200ES Optional



AT-1500S / AT-1500ES Optional



AT-2000S / AT-2000ES Optional



AT-1000U / AT-1000Ues Optional



AT-1200U / AT-1200Ues Optional



AT-1500U / AT-1500Ues Optional

PRODUCTS SPECIFICATION

RX - 100

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for small insulated trucks & vans in range of 3~7 m³ storage volume.

Description

A small van refrigeration system exclusively designed for fresh and frozen products.

Nose or Roof-Top Mount Type are available with high efficiencies of performance.



20.7 kg

Condenser Unit

PLATE FIN TYPE

One PP axial fan - diam. 280 mm

Weight : 20.7 kg (45.5 lbs)

Overall Size : 789W x 450D x 212H mm
(31W x 17.7D x 8.3H inch)



Evaporator Unit

PLATE FIN TYPE

One plastic axial fan - diam. 230 mm - 1160m³/h

Weight : 13.7 kg (30.2 lbs)

Overall Size : 706W x 595D x 190H mm
(27.8W x 23.4D x 7.5H inch)



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	2348	2730	9315	1920	2211	7545
-20	-4	1316	1530	5220	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-15

Displacement : 147 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-5H14

Displacement : 138 cc

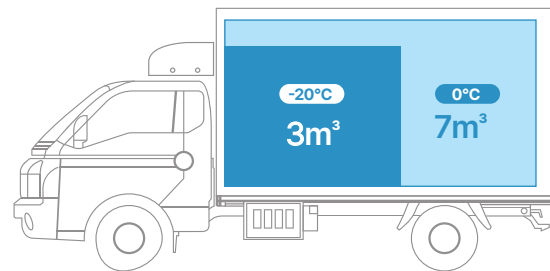
Cylinder : 5 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

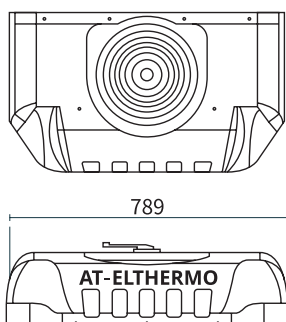
Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

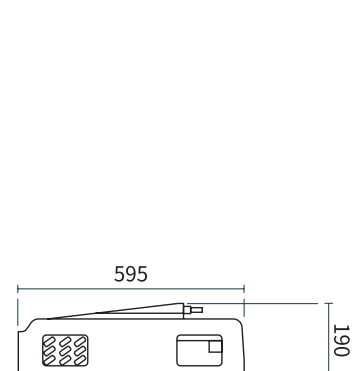
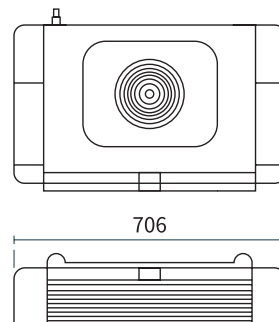
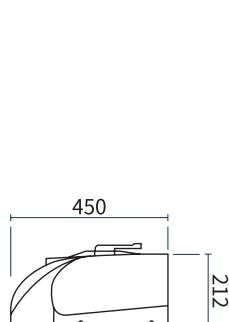


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX-200 / RX-200ES Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for small insulated trucks & vans in range of 7~17 m³ storage volume.

Description

A slim dynamic small truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser plastic axial fan and evaporator with two plastic axial fans separately.



29 kg

Condenser Unit

PLATE FIN TYPE

plastic axial fan - diam. 280 mm

Weight : 29 kg (63.9 lbs)

Overall Size : 916W x 493D x 233H mm
(36W x 19.4D x 9.2H inch)



Evaporator Unit

PLATE FIN TYPE

Two plastic axial fans - diam. 230 mm - 1160m³/h

Weight : 20 kg (44 lbs)

Overall Size : 1006W x 590D x 188H mm
(39.6W x 23.2D x 7.4H inch)



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3025	3518	12003	2451	2850	9723
-20	-4	1901	2210	7541	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

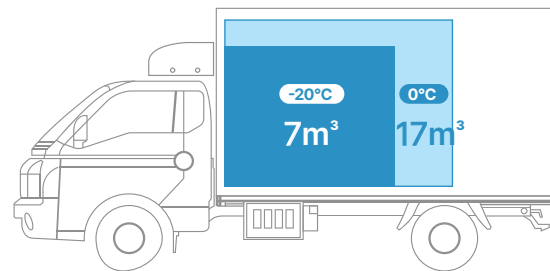
Cylinder : 7 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

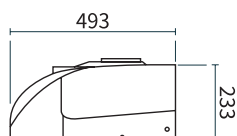
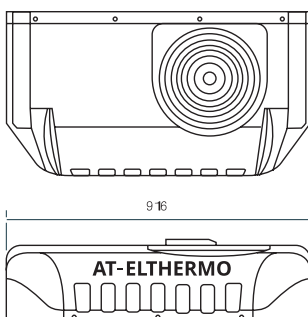
Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

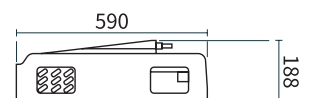
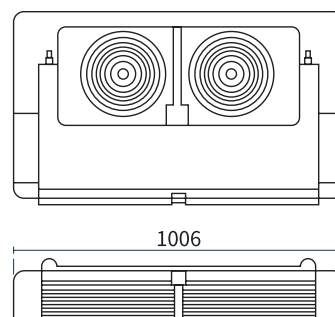


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX - 200 Mini

VEHICLE ENGINE DRIVEN REFRIGERATION

Nose type high performance refrigeration unit for small insulated trucks & vans of 3~7m³ storage volume.

Description

A slim dynamic small truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with two plastic axial fan and evaporator with two plastic axial fans separately.



Condenser

Ultra slim micro-channel heat exchanger Type

One Plastic Axial Fan - diam. 380mm x 1ea

Weight : 26.0Kg

Overall Size : 947L x 506W x 188H (mm)



Evaporator

PLATE FIN & TUBE TYPE

One Plastic Axial Fan - diam. 305mm x 1ea - 850m³/h

Weight : 14.7Kg

Overall Size : 752L x 743W x 207H (mm)



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 1.0 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-15 147cc

Oil Charge SW-32 POE 400cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 33.1Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	2597	3020	10304	2104	2446	8346
-20	-4	1497	1740	5937	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RX-400 / RX-400ES Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium truck in range of 7~17 m³ storage volume.

Description

A refrigerator system exclusively designed for fresh and frozen applications on medium truck. The compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with two plastic axial fans and evaporator with two plastic axial fans separately.



24.1 kg

Condenser Unit

PLATE FIN TYPE

Two plastic axial fans - diam. 280 mm

Weight : 24.1 kg (53.1 lbs)

Overall Size : 1042W x 425D x 293H mm
(41.0W x 16.7D x 11.5H inch)



Evaporator Unit

PLATE FIN TYPE

Two plastic axial fans - diam. 255 mm x 2ea - 1,410m³/h

Weight : 23.6 kg

Overall Size : 1039L x 694D x 207H mm



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3526	4100	13989	2856	3321	11331
-20	-4	1978	2300	7848	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

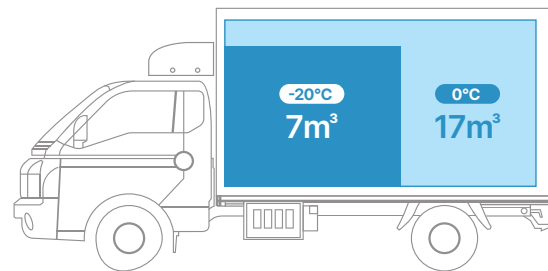
Cylinder : 7 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

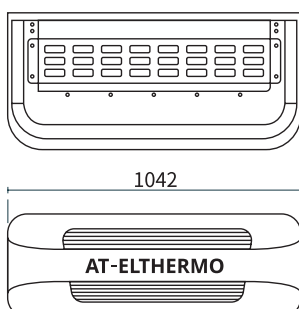
AC standby (option)

AC220/240V = 50/60HZ : QHD-23K 8A

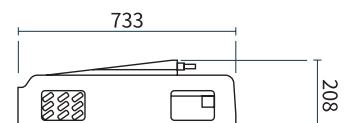
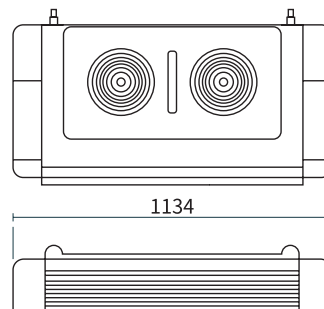


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX-500 / RX-500ES Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 10~18m³ storage volume.



32.9 kg

Description

A refrigerator system exclusively designed for fresh and frozen applications on medium and large truck. The compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with two plastic axial fans and evaporator with two plastic turbo fans separately.

Condenser Unit

PLATE FIN TYPE

Two axial fans - diam. 280 mm

Weight : 32.9 kg (72.5 lbs)

Overall Size : 1080W x 510D x 375H mm
(42.5W x 20D x 14.8H inch)



Evaporator Unit

PLATE FIN TYPE

Two turbo fans - diam. 230 mm - 1650 m³/h

Weight : 23.3 kg (51.3 lbs)

Overall Size : 1260W x 593D x 185H mm
(49.6W x 23.2D x 7.3H inch)



or

PLATE FIN & TUBE TYPE

Two turbo fans - diam. 255 mm x 3ea - 2,180 m³/h

Weight : 23.3 kg (51.3 lbs)

Overall Size : 1251L x 743W x 207H mm



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3870	4500	15354	3135	3645	12437
-20	-4	2202	2560	8735	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

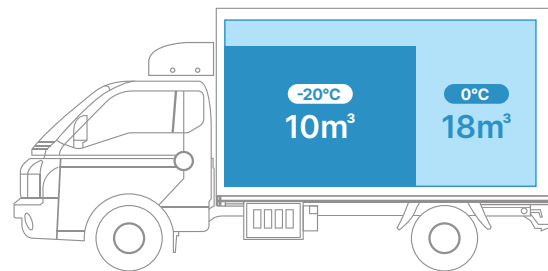
Cylinder : 7 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

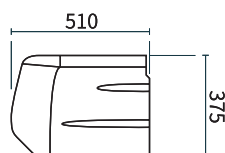
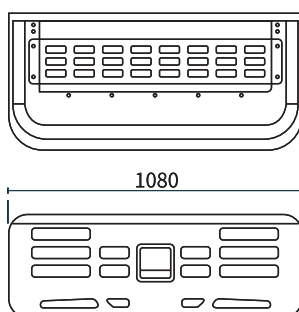
AC standby (option)

AC220/240V = 50/60HZ : QHD-36K = 35.7

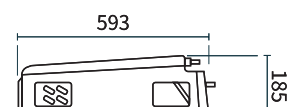
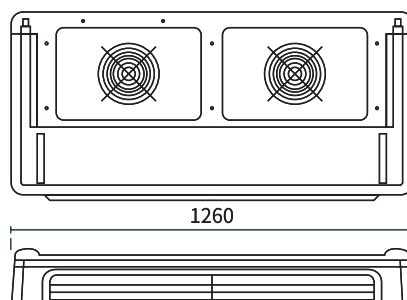


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX-700 / RX-700ES Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 18~25 m³ storage volume.

Description

A refrigerator system exclusively designed for fresh and frozen applications on medium and large truck. The compressor is directly driven by the vehicles engine. This is a split system which consists of condenser with three plastic axial fans and evaporator with three plastic axial fans separately.



36 kg

Condenser Unit

PLATE FIN TYPE

Three axial fans - diam. 280 mm

Weight : 36 kg (79.4 lbs)

Overall Size : 1280W x 516D x 378H mm
(50.4W x 20.3D x 14.9H inch)



Evaporator Unit

PLATE FIN TYPE

Three axial fans - diam. 250 mm - 2100m³/h

Weight : 27 kg (59.5 lbs)

Overall Size : 1498W x 855D x 208H mm
(54.7W x 24.1D x 7.2H inch)



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	5418	6300	21496	4389	5103	17411
-20	-4	3096	3600	12283	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-21

Displacement : 214.7 cc

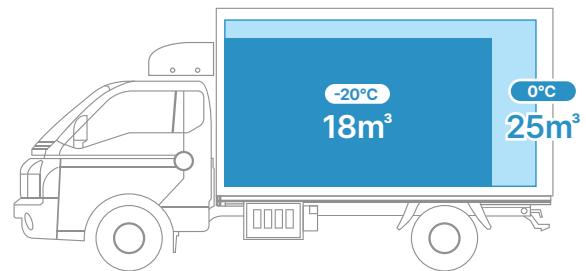
Cylinder : 6 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

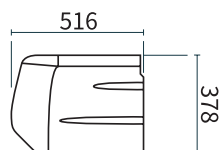
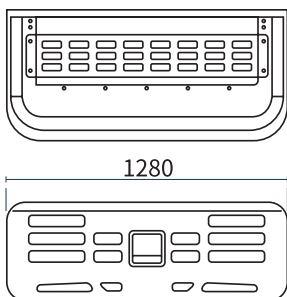
AC standby (option)

AC220/240V = 50/60HZ : QHD-36K = 35.7

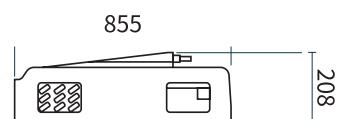
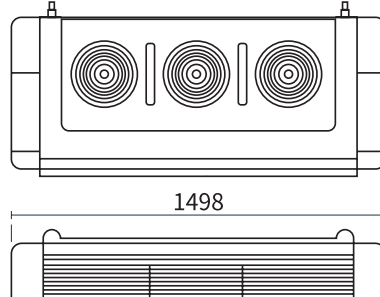


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX - 500 TATA DAEWOO OEM PRODUCT ONLY

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 10~18m³ storage volume.

Description

- Rooftop mounted refrigerator for vans
- Compressor driven by vehicle engine
- Separated composition
 - 2 plastic axial fan condenser and 2 turbo fan evaporator



32.9 kg

Condenser Unit

PLATE FIN TYPE

- Two plastic axial fans - diam. 280 mm
- Weight : 32.9 kg
- Overall Size : 1080W x 510D x 375H mm



Evaporator Unit

PLATE FIN TYPE

- Two turbo fans - diam. 230 mm - 1650m³/h
- Weight : 23.3 kg
- Overall Size : 1260W x 593D x 185H mm



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3870	4500	15354	3135	3645	12437
-20	-4	2202	2560	8735	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

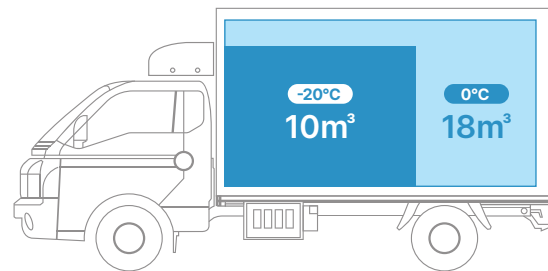
Cylinder : 7 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

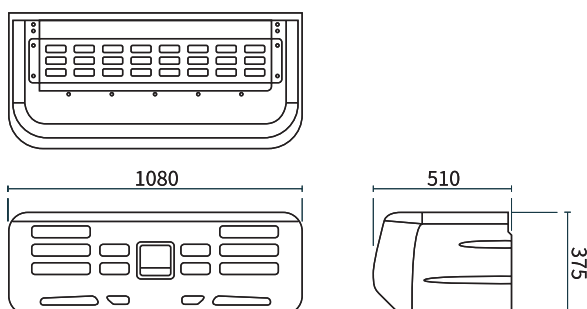
AC standby (option)

AC220/240V = 50/60HZ : QHD-36K = 35.7

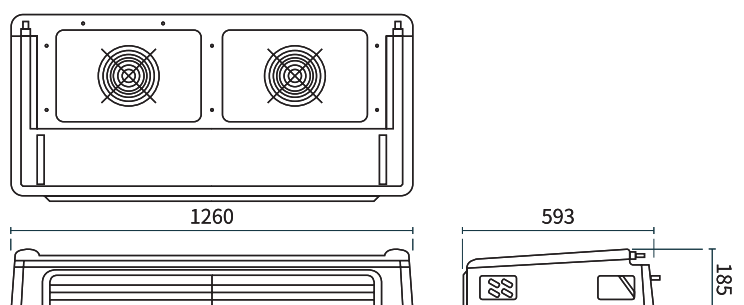


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX - 700 TATA DAEWOO OEM PRODUCT ONLY

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium truck in range of 18~25 m³ storage volume.

Description

A refrigerator system exclusively designed for fresh and frozen applications on medium sized truck. The compressor is directly driven by the vehicles engine. This is a split system which consists of condenser with three AL axial fans and evaporator with three plastic axial fans separately.



36 kg

Condenser Unit

PLATE FIN TYPE

Three axial fans - diam. 280 mm

Weight : 36 kg (79.4 lbs)

Overall Size : 1280W x 516D x 378H mm
(50.4W x 20.3D x 14.9H inch)



Evaporator Unit

PLATE FIN TYPE

Three axial fans - diam. 250 mm - 2100m³/h

Weight : 27 kg (59.5 lbs)

Overall Size : 1498W x 855D x 208H mm
(54.7W x 24.1D x 7.2H inch)



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	5418	6300	21496	4389	5103	17411
-20	-4	3096	3600	12283	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Model : VALEO / TM-21

Displacement : 214.7 cc

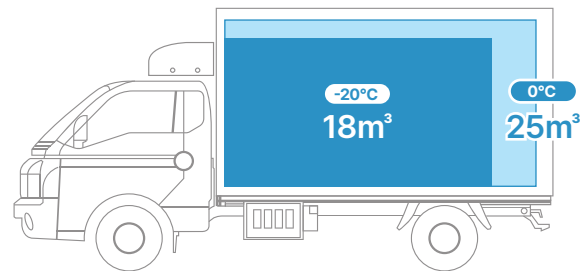
Cylinder : 6 cylinders

Box volume

0°C

-20°C

Ambient 30°C



Others

Refrigerants : R404a or R134a

Defrosting : Hot gas auto-defrost

Operation : Digital Display, Simple Operation
Automatic on/off system

Condenser Case : Frame : GI - steel / Grill : ABS

Evaporator Case : ABS SLIM

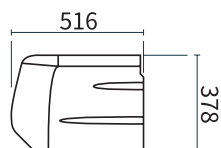
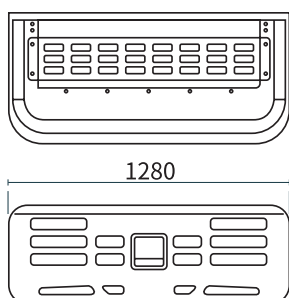
AC standby (option)

AC220/240V = 50/60HZ : QHD-36K = 35.7

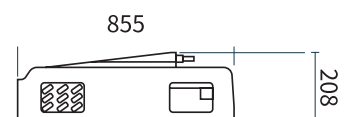
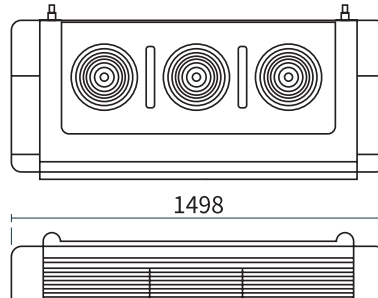


Dimension

(mm)



(mm)



PRODUCTS SPECIFICATION

RX-800HL / RX-800HLes Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 18~ 25m³ storage volume.



Description

A slim dynamic small truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with three plastic axial fan and evaporator with three plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Three Plastic Axial Fan - diam. 305mm x 3ea

Weight : 36.9Kg

Overall Size : 1,446L x 528W x 390H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Three Plastic Axial Fan - diam. 255mm x 3ea - 2,180m³/h

Weight : 32.3Kg

Overall Size : 1,251L x 743W x 207H (mm)



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 2.3 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-21 215cc

Oil Charge SW-32 POE 450cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 33.1Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	5418	6300	21496	4389	5103	17411
-20	-4	3096	3600	12283	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RX-900

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 20~ 30m³ storage volume.



Description

A refrigerator system exclusively designed for fresh and frozen applications on medium truck. The compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with four plastic axial fans and evaporator with four plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Four Plastic Axial Fan - diam. 280mm x 4ea

Weight : 39.9Kg

Overall Size : 1,760L x 548W x 440H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Four Plastic Axial Fan - diam. 255mm x 4ea - 2,930m³/h

Weight : 43.5Kg

Overall Size : 1,738L x 694W x 207H (mm)



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 2.3 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-21 215cc

VALEO TM-31 313cc (Option)

Oil Charge SW-32 POE 450cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 35.5Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity (When using TM-21)

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	6450	7500	25590	5225	6075	20728
-20	-4	3784	4400	15013	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RX - 1000

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for large size truck in range of 25~38m³ storage volume.



Description

A slim dynamic small truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with four plastic axial fan and evaporator with four plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Four Plastic Axial Fan - diam. 305mm x 3ea

Weight : 38.9 Kg

Overall Size : 1,450L x 583W x 390H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Four Plastic Axial Fan - diam. 255mm x 4ea - 2,930m³/h

Weight : 43.5Kg

Overall Size : 1,738L x 694W x 207H (mm)



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 3.0 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-31 313cc

Oil Charge SW-32 POE 450cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 33.1Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	6450	7500	25590	5225	6075	20728
-20	-4	3784	4400	15013	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RX-500D Dual Compressors

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 20~ 30m³ storage volume.



Description

A slim dynamic small truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with four plastic axial fan and evaporator with four plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Four Plastic Axial Fan - diam. 280mm x 4ea

Weight : 39.9Kg

Overall Size : 1,760L x 548W x 440H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Two Plastic Axial Fan
- diam. 230mm x 2ea - 1,650m³/h

Overall Size : 1,260L x 593W x 192H (mm)

Weight : 23.3Kg



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 2.3 kg / 2.0kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-21 215cc (1 ZONE)

VALEO TM-16 163cc (2 ZONE)

Oil Charge SW-32 POE 450cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC24V / 35.5Amp (OPTION - DC12V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity (When using TM-21)

Evaporator return air temperature		HFC R-404a refrigerant Road Operation(1 ZONE)			HFC R-404a refrigerant Road Operation(2 ZONE)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3870	4500	15354	3870	4500	15354
-20	-4	2202	2560	8735	2202	2560	8735

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RX-700D Dual Compressors

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 20~ 30m³ storage volume.



Description

A refrigerator system exclusively designed for fresh and frozen applications on medium truck. The compressors are directly driven by the vehicle's engine. This is a split system which consists of condenser with four plastic axial fans and evaporator with three plastic axial fans as well as additional two plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Four Plastic Axial Fan - diam. 280mm x 4ea

Weight : 39.9Kg

Overall Size : 1,760L x 548W x 440H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Three Plastic Axial Fan - diam. 230mm x 3ea - 1,910m³/h

Overall Size : 1,389L x 613W x 185H (mm)

Weight : 27.0Kg

Two Plastic Axial Fan - diam. 230mm x 2ea - 1,650m³/h

Overall Size : 1,260L x 593W x 192H (mm)

Weight : 23.3Kg



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 2.3 kg / 2.0kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-21 215cc (1 ZONE)

VALEO TM-16 163cc (2 ZONE)

Oil Charge SW-32 POE 450cc



Others

Option

Oil separator, SPR valve, Heater, Temperature Recorder

Defrost

Automatic hot gas defrost initiated and terminated by cab controller

Heating system

When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC24V / 35.5Amp (OPTION - DC12V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity (When using TM-21)

Evaporator return air temperature		HFC R-404a refrigerant Road Operation(1 ZONE)			HFC R-404a refrigerant Road Operation(2 ZONE)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	4558	5300	18084	3870	4500	15354
-20	-4	2666	3100	10577	2202	2560	8735

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RX-900D Dual Compressors

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium and large truck in range of 20~ 30m³ storage volume.



Description

A refrigerator system exclusively designed for fresh and frozen applications on medium & large size truck. The compressors are directly driven by the vehicle's engine. This is a split system which consists of condenser with four plastic axial fans and evaporator with four plastic axial fans as well as additional two plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Four Plastic Axial Fan - diam. 280mm x 4ea

Weight : 39.9Kg

Overall Size : 1,760L x 548W x 440H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Four Plastic Axial Fan - diam. 255mm x 4ea - 2,930m³/h

Overall Size : 1,738L x 694W x 207H (mm)

Weight : 43.5Kg

Two Plastic Axial Fan - diam. 230mm x 2ea - 1,650m³/h

Overall Size : 1,260L x 593W x 192H (mm)

Weight : 23.3Kg



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 2.3 kg / 2.0kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-21 215cc (1 ZONE)

VALEO TM-16 163cc (2 ZONE)

Oil Charge SW-32 POE 450cc



Others

Option

Oil separator, SPR valve, Heater, Temperature Recorder

Defrost

Automatic hot gas defrost initiated and terminated by cab controller

Heating system

When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC24V / 35.5Amp (OPTION - DC12V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity (When using TM-21)

Evaporator return air temperature		HFC R-404a refrigerant Road Operation(1 ZONE)			HFC R-404a refrigerant Road Operation(2 ZONE)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	5160	6000	20472	3870	4500	15354
-20	-4	3392	3944	13457	2202	2560	8735

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RT-200HL / RT-200HLes Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

Roof type high performance refrigeration unit for small van of 3 ~ 6m³ storage volume.

Description

A slim dynamic small van truck refrigeration system exclusively designed for fresh and frozen products. Roof Top Mount Type are available with high efficiencies of performance.



Condenser

Ultra slim micro-channel heat exchanger Type

One Plastic Axial Fan - diam. 380mm x 1ea

Weight : 25.0Kg

Overall Size : 792L x 729W x 200H (mm)



Evaporator

PLATE FIN & TUBE TYPE

One Plastic Axial Fan - diam. 305mm x 1ea - 8'

Weight : 14.7Kg

Overall Size : 752L x 743W x 207H (mm)

Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 1.0 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-15 147cc

Oil Charge SW-32 POE 400cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 23.5Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	2597	3020	10304	1212	1409	4809
-20	-4	1496	1740	5937	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RT-400HL / RT-400HLes Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

Roof type high performance refrigeration unit for van of 5 ~ 10m³ storage volume.

Description

A slim dynamic medium truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with two plastic axial fan and evaporator with two plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

Two Plastic Axial Fan - diam. 305mm x 2ea

Weight : 29.1Kg

Overall Size : 1,085L x 739W x 197H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Two Plastic Axial Fan - diam. 255mm x 2ea - 1,410m³/h

Weight : 23.6Kg

Overall Size : 1,039L x 694W x 207H (mm)



Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 1.3 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-15 147cc

Oil Charge SW-32 POE 400cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 29.3Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3025	3518	12003	1539	1790	6108
-20	-4	1901	2210	7541	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

RT-500HL / RT-500HLes Optional

VEHICLE ENGINE DRIVEN REFRIGERATION

Roof type high performance refrigeration unit for van of 8 ~ 16m³ storage volume.

Description

A slim dynamic medium truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., the compressor is directly driven by the vehicle's engine. This is a split system which consists of condenser with two plastic axial fan and evaporator with two plastic axial fans separately.



Condenser

Ultra slim micro-channel heat exchanger Type

Two Plastic Axial Fan - diam. 305mm x 2ea

Weight : 29.1Kg

Overall Size : 1,085L x 739W x 197H (mm)



Evaporator

PLATE FIN & TUBE TYPE

Two Plastic Axial Fan - diam. 305mm x 2ea - 1,630m³/h

Weight : 27.9Kg

Overall Size : 1,251L x 743W x 207H (mm)

Refrigerant

HFC R-134a or R-404a or R-452a

Refrigerant charge - 1.6 kg (R-404a)

Option _ Low GWP R-452a

We use Eco-Friendly Refrigerant to save earth



Compressor

Engine Driven / 2,400rpm

VALEO TM-15 147cc

Oil Charge SW-32 POE 400cc



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Defrost
Automatic hot gas defrost initiated and terminated by cab controller

Heating system
When the ambient is lower than the temperature in the truck body then, heating system is used to protect the products from frozen.

Current Draw : DC12V / 33.1Amp (OPTION - DC24V)

Controller

In-cab control system

Automatic start / stop engine operation by setting temperature

Automatic temperature display with easier control system

Option _ IoT 4G (LTE) & GPS



Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3715	4320	14740	1714	1993	6799
-20	-4	2116	2460	8394	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-700S / AT-700ES Optional

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium truck in range of 24~29 m³ storage volume.

Box length in 6.5 meters.

Description

One of AT THERMO's self-powered engine driven units in AT series is refrigerator system with professionally designed and manufactured for fresh and frozen applications medium truck.



Condenser

PF TYPE & FIN & TUBE TYPE

Fan drive : Driven by engine belt

Refrigerant

HFC R-404a

Chlorine - Zero

Refrigerant charge : 3.8 kg +/- 100 g

Compressor

Model : BOCK FKX30 - 235TK / Germany

Displacement : 235 cc

Electric standby

3.5kw, High Performance AC Motor

220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Engine

Model : KUBOTA / D 1105 / Japan

Displacement : 1123 cc

Evaporator Unit

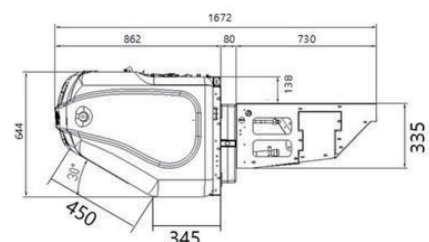
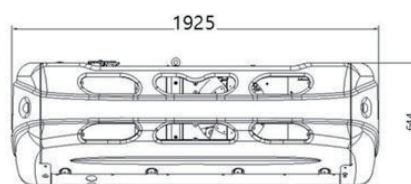
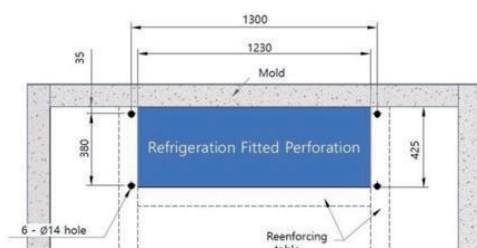
PLATE FIN TYPE

3 fans - diam. 280 mm

Air Volume : 2730 m³/h

Designed Air speed : 6 m/s

Dimension



Defrost control

Manual Defrost : controlled by pushing button manually

Auto Defrost : controlled by pressure difference

Timer Defrost : controlled by pre set-up cycling time of timer

System protection

Engine cut off at low oil pressure

Engine cut off at high coolant temperature

Compressor cut off at high or low pressure of system

Compressor cut off at high temperature of comp. body



Option

Electric standby Specification

Use electric motor to operate refrigerator while engine is not being used

Heating System : To obtain warm temperature for the chamber at low ambient. temperature

Two different tempature room

Separate room for normal and low temperature room

Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	473 kg
Watts	7000	4900	5200	3500	
Kcal/h	6022	4216	4474	3011	
BTU/h	23884	16719	17753	11942	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-800S / AT-800ES Optional

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for medium truck in range of 25~36 m³ storage volume.

Box length in 7.5 meters.

Description

One of AT THERMO's self-powered engine driven units in AT series is refrigerator system with professionally designed and manufactured for fresh and frozen applications medium truck.

Condenser

PF TYPE & FIN & TUBE TYPE

Fan drive : Driven by engine belt

Compressor

Model : BOCK-FKX30/275 TK/Germany

Displacement : 275 cc

Engine

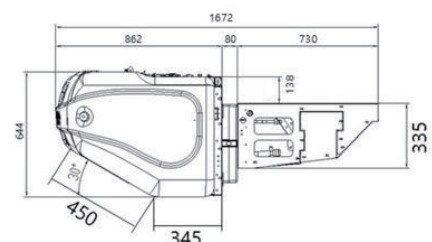
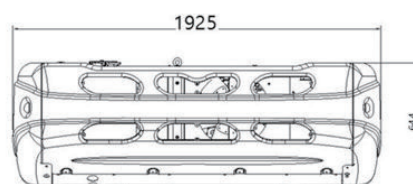
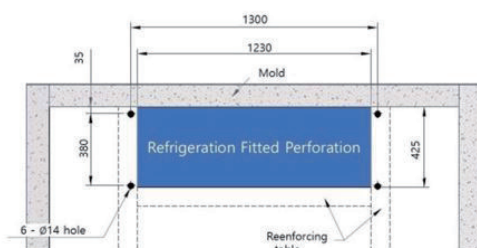
Model : KUBOTA / D-1105 / Japan

Cylinder : 3 cylinders

Weight : 93 kg

Capacity : 1,123 cc

Dimension



Refrigerant

HFC R-404a

Chlorine - Zero

Refrigerant charge : 3.8 kg +/- 100 g

Electric standby

8.5kw, High Performance AC Motor

220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Evaporator Unit

PLATE FIN TYPE

3 fans - diam. 280 mm

Air Volume : 2900 m³/h

Designed Air speed : 6.5 m/s

Defrosting

HOT GAS

Electric automatic defrost

/ 3 Manual defrost controlled by controller

All in one - type

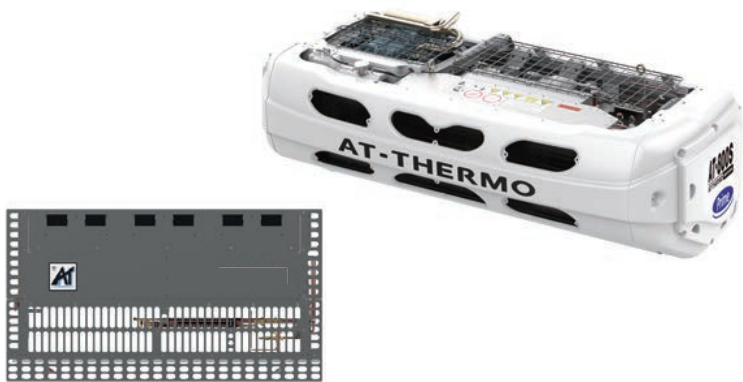


Evaporator

PLATE FIN TYPE

3 Fans - diam. 280 mm
Air Volume : 2910 m³/h
Designed Air Speed : 7.8 m/s

Wall - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (14.5AMP 3350 RPM) x 3ea
Size : 1740W x 948D x 166H

Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	473 kg
Watts	7300	5100	5600	3900	
Kcal/h	6281	4388	4818	3355	
BTU/h	24908	17401	19107	13307	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-900S / AT-900ES Optional

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for large truck in range of 30~40m³ storage volume.

Box length in 8.5 meters.

Description

Refrigeration system for large truck
Compressor driven by sub diesel engine
Separated composition

Condenser

PF TYPE & FIN & TUBE TYPE

Fan drive : Driven by engine belt

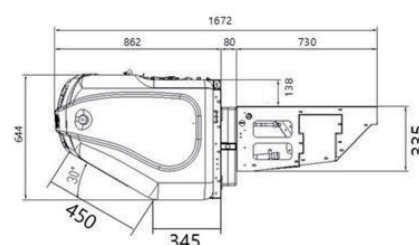
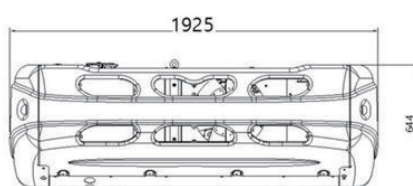
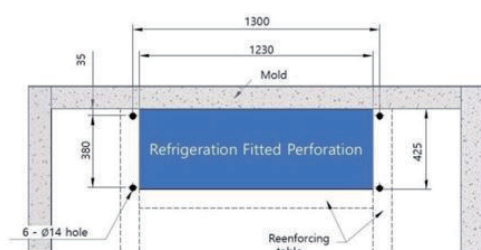
Compressor

Model: BOCK-FKX30/325 TK/Germany
Displacement : 325 cc

Engine

Model : KUBOTA / D-1105 / Japan
Cylinder : 3 cylinders
Weight : 93 kg
Capacity : 1,123 cc

Dimension



Refrigerant

HFC R-404a
Chlorine - Zero
Refrigerant charge : 3.9 kg +/- 100 g

Electric standby

9kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Evaporator Unit

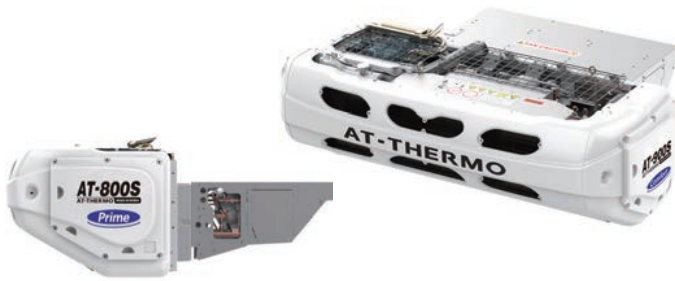
PLATE FIN TYPE

3 fans - diam. 280 mm
Air Volume : 3200 m³/h
Designed Air speed : 7 m/s

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

All in one - type

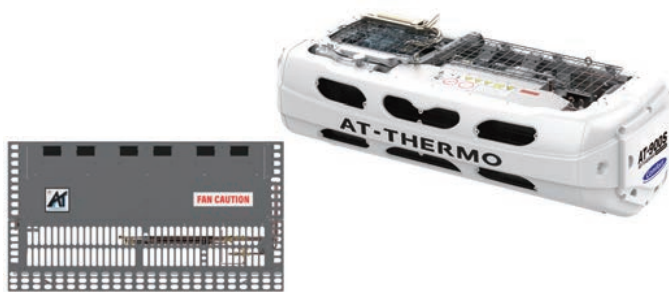


Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V *8.0Amp *2,400 RPM x 3ea

Wall - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (14.5Amp 3350 RPM) x 3ea

Slim - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea

Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	8500	5700	7000	5000	
Kcal/h	8173	5764	6022	4302	
BTU/h	32415	22861	23884	17060	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-1000S / AT-1000ES / AT-1000MT

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for large truck in range of 35~40 m³ storage volume.

Box length in 9 meters.

Description

Refrigeration system for large truck
Compressor driven by sub diesel engine
Separated composition

Condenser

PF type & Fin & Tube type
Fan drive : Driven by engine belt
Size : 1938W x 1683D x 651H

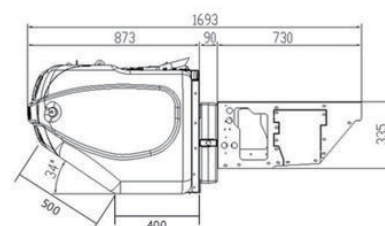
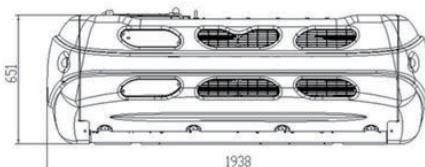
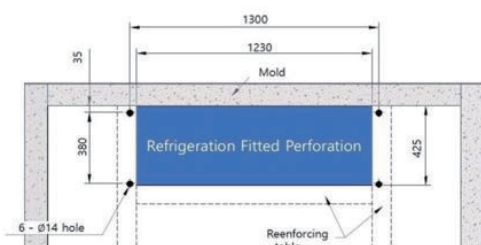
Compressor

Model : BOCK-FKX40/390 TK/Germany
Displacement: 390 cc

Engine

Model : KUBOTA / D-1105 / Japan
Cylinder : 3 cylinders
Weight : 93 kg
Capacity : 1,123 cc

Dimension



Refrigerant

HFC R-404a
Amount : 4 kg

Electric standby

9kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Evaporator Unit

PLATE FIN TYPE
3 fans - diam. 280 mm
Air Volume : 3200 m³/h
Designed Air speed : 8 m/s

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

All in one - type

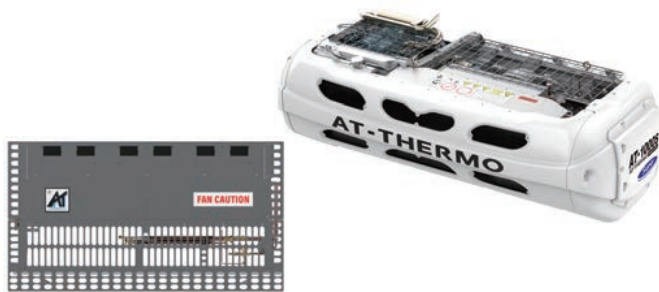


Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (10Amp 2500 RPM) x 3ea
Size : 1174W x 730D x 398H

Wall - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (14.5Amp 3350 RPM) x 3ea
Size : 1740W x 948D x 166H

Slim - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea

Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	8500	6300	8000	5700	
Kcal/h	7310	5418	6880	4902	
BTU/h	29002	21495	27296	19448	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-1200S / AT-1200ES / AT-1200MT

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for large truck in range of 40~45 m³ storage volume.

Box length in 9.5 meters.



Description

Refrigeration system for large truck
Compressor driven by sub diesel engine
Separated composition

Condenser

PF type & Fin & Tube type
Fan drive : Driven by engine belt
Size : 1938W x 1683D x 651H

Compressor

Model : BOCK- FKX40 / 470TK/ Germany
Displacement: 470 cc

Refrigerant

HFC R-404a
Amount : 4.2 kg

Electric standby

11kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Evaporator Unit

PLATE FIN TYPE

3 fans - diam. 280 mm
Air Volume : 3300 m³/h
Designed Air speed : 9m/s

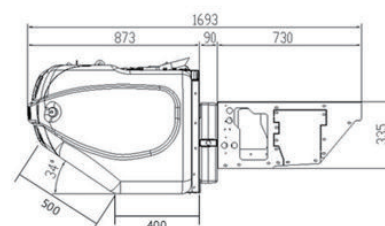
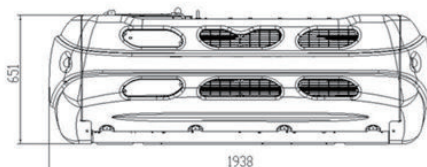
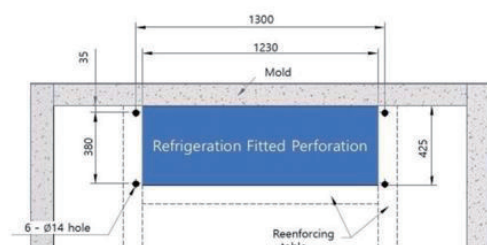
Engine

Model : KUBOTA / D-1305 / Japan
Cylinder : 3 cylinders
Weight : 93 kg
Capacity : 1,123 cc

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

Dimension



All in one - type

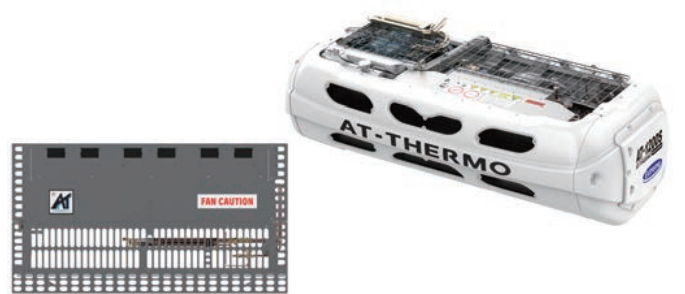


Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (10Amp 2500 RPM) x 3ea
Size : 1174W x 730D x 398H

Wall - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (14.5Amp 3350 RPM) x 3ea
Size : 1740W x 948D x 166H

Slim - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea

Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	9500	7200	7000	5000	
Kcal/h	8170	6192	6020	4300	
BTU/h	32414	24566	23884	17060	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-1500S / AT-1500ES / AT-1500MT

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for large truck in range of 40~45 m³ storage volume.

Box length in 9.5 meters.

Description

Refrigeration system for large truck
Compressor driven by sub diesel engine
Separated composition

Condenser

PF type & Fin & Tube type
Fan drive : Driven by engine belt
Size : 1940W x 830D x 652H

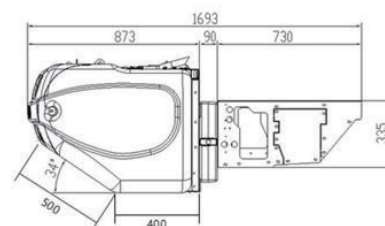
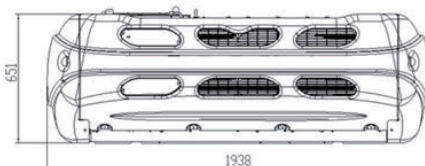
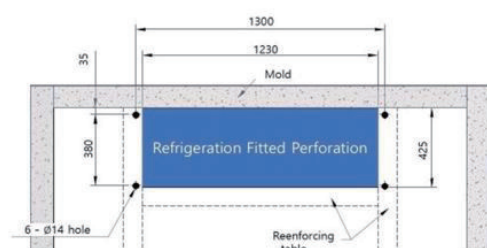
Compressor

Model : BOCK- FKX40 / 560 TK / Germany
Displacement: 560 cc

Engine

Model : KUBOTA / D-1305 / Japan
Cylinder : 3 cylinders
Weight : 95 kg
Capacity : 1,261 cc

Dimension



Refrigerant

HFC R-404a
Amount : 4.2 kg

Electric standby

11kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Evaporator Unit

PLATE FIN TYPE

3 fans - diam. 280 mm
Air Volume : 3400 m³/h
Designed Air speed : 10m/s

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

All in one - type

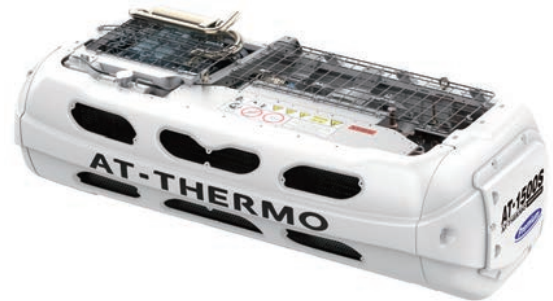


Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V *12Amp *2,500 RPM x 3ea

Slim - type



Evaporator

FIN & TUBE TYPE

Fan drive : DC 12V / (12Amp 2700 RPM) x 4ea

Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	9500	7200	7000	5000	
Kcal/h	8170	6192	6020	4300	
BTU/h	32414	24566	23884	17060	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

AT-2000S / AT-2000ES / AT-2000MT

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit for large truck in range of 50~55 m³ storage volume.

Box length in 11 meters.



Description

Refrigeration system for large truck
Compressor driven by sub diesel engine
Separated composition

Condenser

PF type & Fin & Tube type
Fan drive : Driven by engine belt
Size : 1940W x 830D x 652H

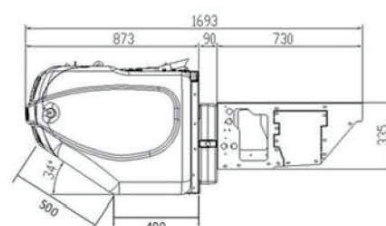
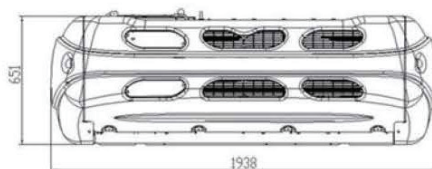
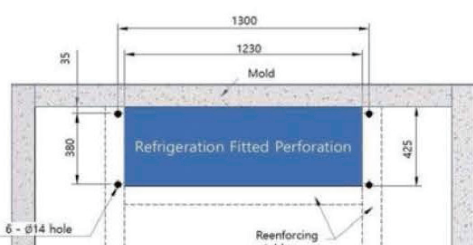
Compressor

Model : BITZER / 4NFRY
Cylinder : 4 cylinders
Displacement : 647 cc

Engine

Model : KUBOTA / D-1305
Cylinder : 3 cylinders
Weight : 95 kg
Capacity : 1,261 cc

Dimension



Refrigerant

HFC R-404a
Amount : 4.2 kg

Electric standby

11kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Evaporator Unit

PLATE FIN TYPE

3 fans - diam. 280 mm
Air Volume : 3400 m³/h
Designed Air speed : 10m/s

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

All in one - type



Evaporator

Fin & Tube type

Fan drive : DC 12V *12Amp *2,500 RPM x 3ea

Slim- type



Evaporator

Fin & Tube type

Fan drive : DC 12V / (12Amp 2700 RPM) x 4 ea

Capacity

	Engine Driven		Electric Motor Driven (option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	12000	8500	9000	6700	
Kcal/h	10325	7313	7743	5764	
BTU/h	40945	29003	30709	22861	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

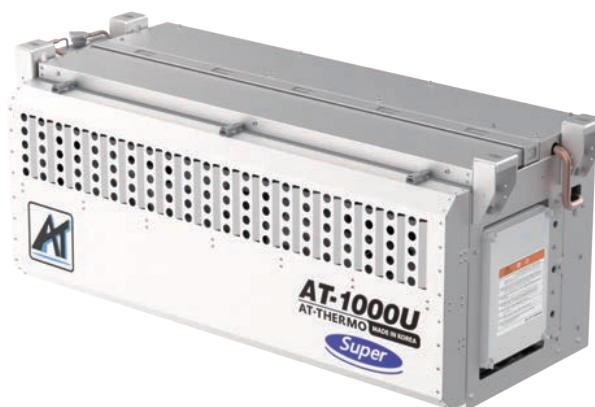
PRODUCTS SPECIFICATION

AT-1000U

AT-1000Ues Optional

DIESEL ENGINE DRIVEN REFRIGERATION

TRU-1000s is a separated diesel engine driven unit installed with under mount type.



Description

Refrigeration system for medium size truck. Compressor driven by sub diesel engine
Separated composition - under mounted condenser and wall-type evaporator

Condenser

Type, Fan : diam. 420*6B x 1ea
Fan type : Driven by engine belt

Defrosting

Hot gas auto defrost or manual defrost

Heating

1. COOLANT auto control
2. Hot gas operating simultaneously

Refrigerants

Type : R-404a
Amount : 4.4 kg +/- 100g

Compressor

Pully : Magnet clutch
Model : BITZER / 4TFRY
Cylinder : 4 cylinders
Displacement : 475 cc or
BOCK-FKX40/470 TK/Germany
Displacement: 470 cc

Engine

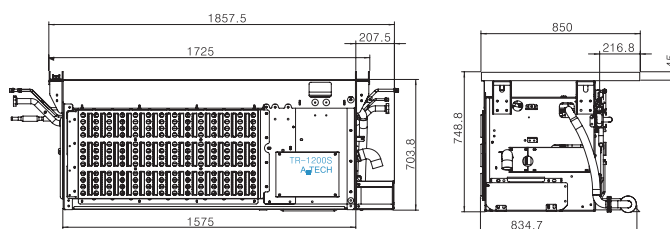
Model : KUBOTA / D-1105
Cylinder : 3 cylinders
Capacity : 1,105 cc

Operation

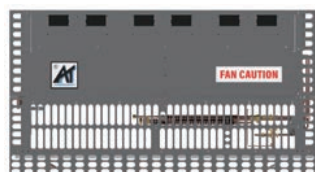
Temperature controller (LED display)
Temperature setting & Automatic on/off system

* Specifications can be changed without notice in advance

Dimension



Wall - type



Evaporator

Type, Fan
Wall-type evaporator
(1620L x 170W x 820H)
Fan type
DC 12V double blower
fan motor x 3ea

Slim - type



Evaporator

Type, Fan
Slim-type evaporator
(1620L x 170W x 820H)
Fan type
DC 12V double blower
fan motor x 3ea

AT-1200U

AT-1200Ues Optional

DIESEL ENGINE DRIVEN REFRIGERATION

TRU-1200s is a separated diesel engine driven unit installed with under mount type.



Description

Refrigeration system for medium size truck. Compressor driven by sub diesel engine
Separated composition - under mounted condenser and wall-type evaporator

Condenser

Type, Fan : diam. 420*6B x 1ea
Fan type : Driven by engine belt

Defrosting

Hot gas auto defrost or manual defrost

Heating

1. COOLANT auto control
2. Hot gas operating simultaneously

Refrigerants

Type : R-404a
Amount : 4.4 kg +/- 100g

Compressor

Pully : Magnet clutch
Model : BITZER / 4PFRY
Cylinder : 4 cylinders
Displacement : 558 cc or
BOCK- FKX40/560 TK/Germany
Displacement: 560 cc

Engine

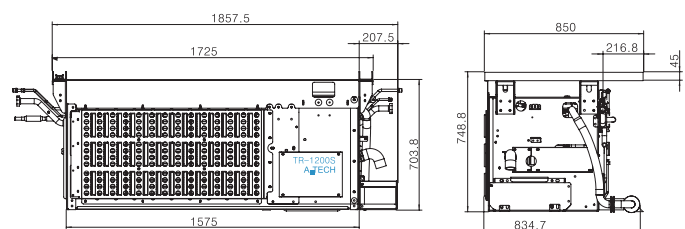
Model : KUBOTA / D-1105
Cylinder : 3 cylinders
RPM : 2000~2400 RPM
Capacity : 1,105 cc

Operation

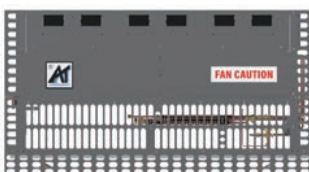
Temperature controller (LED display)
Temperature setting & Automatic on/off system

* Specifications can be changed without notice in advance

Dimension



Wall - type



Evaporator

Type, Fan
Wall-type evaporator
(1620L x 170W x 820H)
Fan type
DC 12V double blower
fan motor x 3ea

Slim - type



Evaporator

Type, Fan
Slim-type evaporator
(1620L x 170W x 820H)
Fan type
DC 12V double blower
fan motor x 3ea

PRODUCTS SPECIFICATION

EV - 300 / EV - 400

(Under Development)

Full Electric Refrigeration Unit

Roof Mounting Type high performance refrigeration unit for

* EV-300 : Small Sized Vans & Trucks

* EV-400 : Medium Sized Vans & Trucks



Description

A slim dynamic small truck refrigeration system exclusively designed for fresh and frozen products. With high efficiencies of performance, etc., Compressor for electric vehicles only is used and directly driven by the battery. This is a split system which consists of condenser with two plastic axial fan and evaporator with two plastic axial fans separately.

Condenser

Ultra slim micro-channel heat exchanger Type

One Plastic Axial Fan - diam. 380mm x 1ea

Weight : 40.0Kg

Overall Size : 1,085L x 739W x 197H (mm)



Evaporator (EV-300)

Plate fin & tube Type

One Plastic Axial Fan - diam. 305mm x 1ea - 850m³/h

Weight : 14.7Kg

Overall Size : 752L x 743W x 207H (mm)



Capacity(RV-300_)

Evaporator return air temperature		HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h
0	32	2391	2,780	9485
-20	-4	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F