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ALWAYS FRESH

WE USE ECO-FRIENDLY REFREGERANT TO SAVE THE EARTH

AT-THERMO

PRODUCT GUIDE

AT-THERMO

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GREETINGS

AT-THERMO. Co., Ltd.
Pioneering the Future of Transport Refrigeration.

AT-THERMO stands at the forefront of innovation in vehicle refrigeration systems. Our state-of-the-art mobile solutions deliver unrivaled temperature management, guaranteeing unwavering reliability and pinpoint control for your precious cargo in every operational scenario.

Field-proven across the most challenging markets—from Southeast Asia to the Middle East and South America—our systems consistently dominate under the harshest conditions. With exceptional durability and transformative efficiency, we drastically optimize operational costs, powerfully driving sustainable business growth for our partners.

We maintain an unyielding commitment to redefining the benchmarks of transport refrigeration technology. AT-THERMO delivers premier solutions, establishing itself as your indispensable partner by setting the new standard for industry excellence.

Thank you.



President & CEO
AT-THERMO. Co., Ltd

PRODUCTS OVERVIEW

Vehicle Engine Driven Unit (Nose Mount)



RX-100



RX-200 MINI



RX-200



RX-400



RX-500
RX-500ES
[TATA DAEWOO OEM LINE UP]

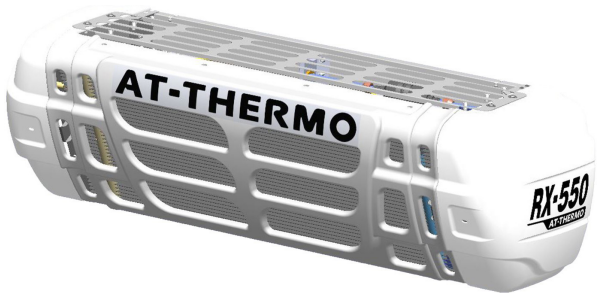


RX-700
RX-700ES
[TATA DAEWOO OEM LINE UP]

Vehicle Engine Driven Unit (Nose Mount)



RX-450



RX-550

Vehicle Engine Driven Unit (Under Mounted)



RU-500



RU-700

PRODUCTS OVERVIEW

TATA DAEWOO OEM

Vehicle Engine Driven Unit (Nose Mount)



RX-800 II
RX-800 IIES



RX-900



RX-500D
[TATA DAEWOO OEM LINE UP]



RX-700D
[TATA DAEWOO OEM LINE UP]



RX-900D
[TATA DAEWOO OEM LINE UP]

Vehicle Engine Driven Unit (Roof-Top)



RT-200HL

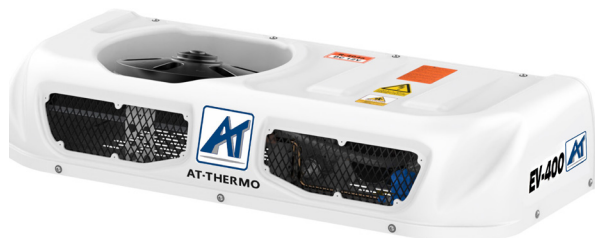


RT-400HL



RT-500HL

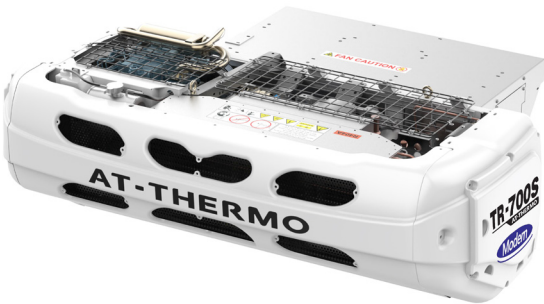
ELECTRIC VEHICLE TYPE (Under Development)



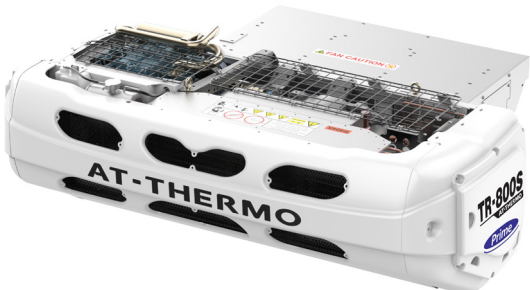
EV-300 / EV-400

PRODUCTS OVERVIEW

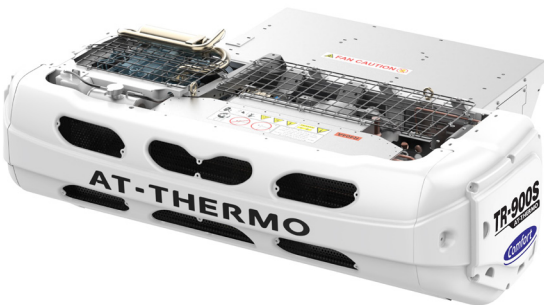
DIESEL ENGINE DRIVEN (Nose Mounted)



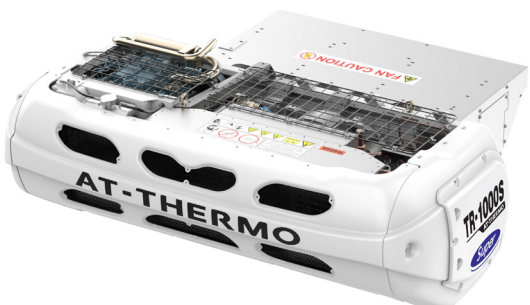
TR-700S
TR-700ES



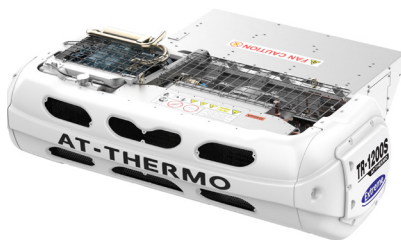
TR-800S
TR-800ES



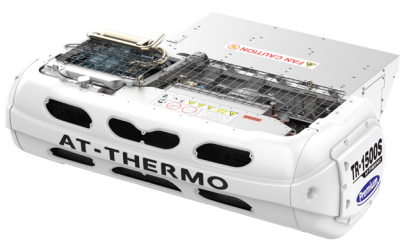
TR-900S
TR-900ES



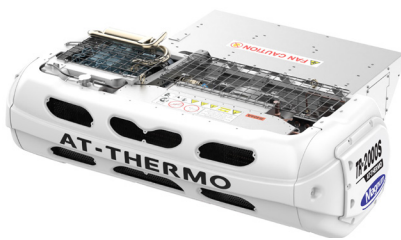
TR-1000S
TR-1000ES



TR-1200S
TR-1200ES

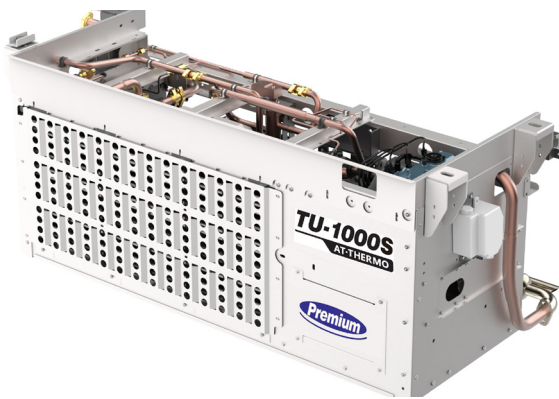


TR-1500S
TR-1500ES

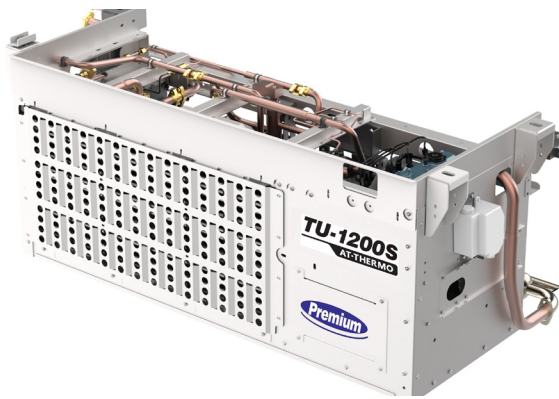


TR-2000S

DIESEL ENGINE DRIVEN (Under Mounted)

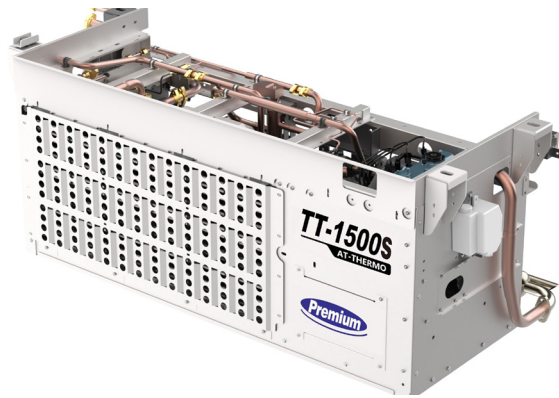


TU-1000
TU-1000ES



TU-1200
TU-1200ES

TWIN TORQUE (MAIN + SUB) (Under Mounted)



TT-1500S

PRODUCTS SPECIFICATION

RX - 100

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 3-7m³ Vans & Trucks

Description

High-efficiency small van refrigeration systems, exclusively designed for fresh and frozen products. Available in Nose or Roof-Top mount types.



Condenser Unit

COIL : FIN & TUBE TYPE (COPPER)

One PP axial fan - diam. 280 mm x 1ea

Weight : 20.7 kg

Overall Size : 789W x 450L x 212H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

One plastic axial fan - diam. 230 mm x 1ea

Airflow Volume : 1160m³/h

Weight : 13.7 kg

Overall Size : 706W x 595L x 190H (mm)



Refrigeration 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

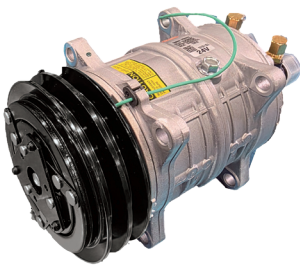
VALEO / TM-15

Cylinder : 6 cylinders

Displacement : 147 cc

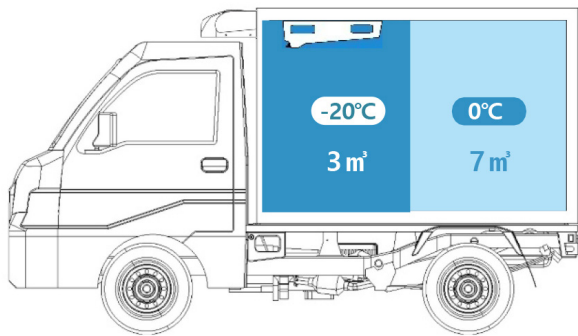
Optional Model

TCCI : QP - Series



Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

Refrigerants : R-134a, R-404A, R-452A

Defrost : Hot gas auto-defrost

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

Controller

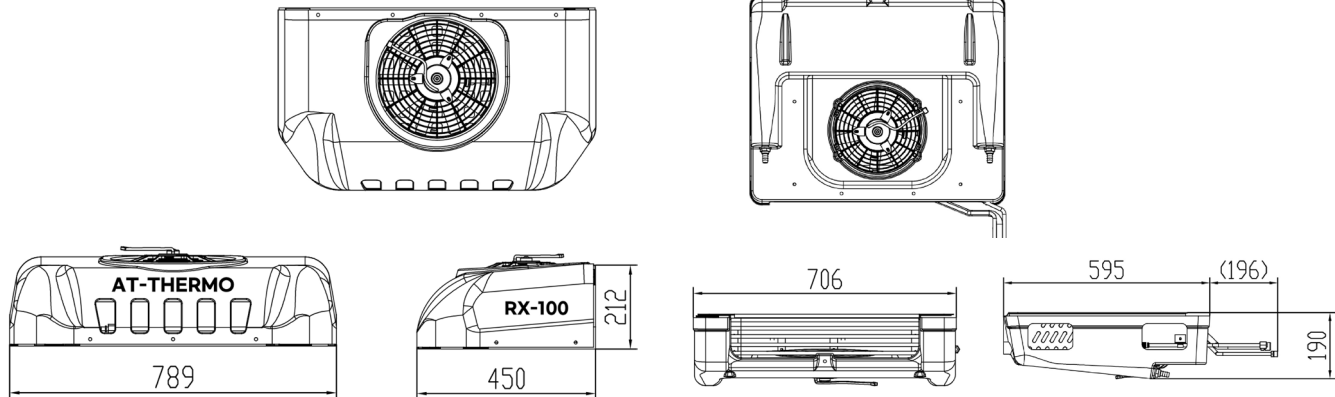
In-Cab Control System

Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX - 200 MINI

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 3-7m³ Vans & Trucks

Description

Our slim, dynamic refrigeration system offers high-efficiency cooling exclusively for fresh and frozen products in small trucks. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, both equipped with two plastic axial fans.



Condenser Unit

COIL : FIN & TUBE TYPE (COPPER)

One Plastic Axial Fan - diam. 385mm x 1ea
Weight : 26.0Kg
Overall Size : 947W x 506L x 187H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

One Plastic Axial Fan - diam. 305mm x 1ea
Airflow Volume : 850m3/h
Weight : 16.5Kg
Overall Size : 752W x 743L x 207H (mm)



Refrigeration 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

Compressor

VALEO / TM-15
Cylinder : 6 cylinders
Displacement : 147 cc

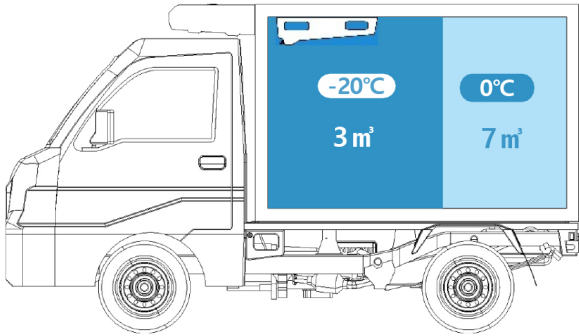


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

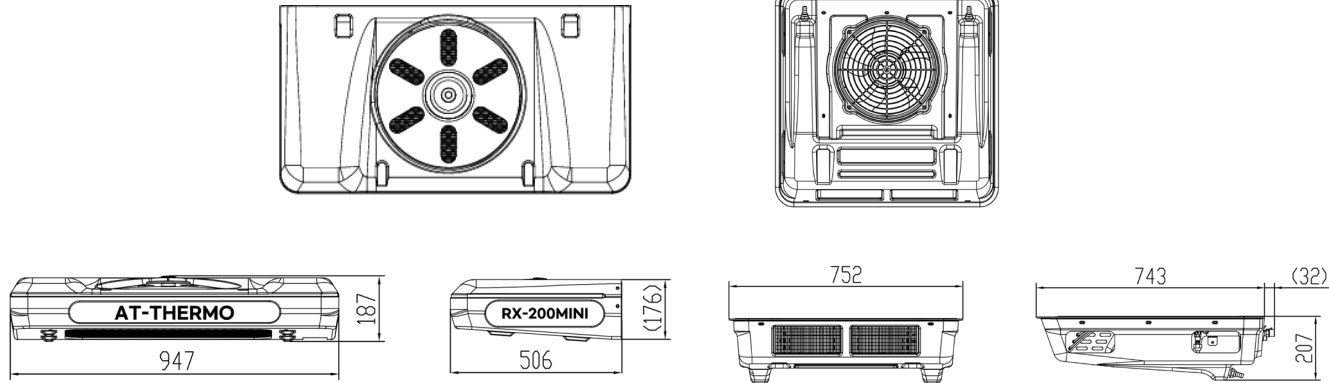
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX - 200

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 7-17m³ Vans & Trucks

Description

Our slim, dynamic refrigeration system for small trucks provides high-efficiency cooling, exclusively for fresh and frozen products. It's a direct engine-driven split system, featuring a condenser with a plastic axial fan and a separate evaporator with two plastic axial fans.



Condenser Unit

COIL : FIN & TUBE TYPE (COPPER)

One plastic axial fan - diam. 280 mm x 1ea
Weight : 29 kg
Overall Size : 916W x 493L x 233H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Two plastic axial fans - diam. 230 mm x 2ea
Airflow Volume : 1160m³/h
Weight : 18 kg
Overall Size : 1006W x 590L x 184H (mm)



Refrigeration Capacity

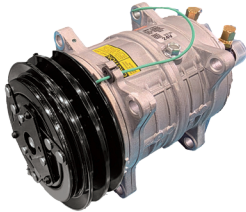
Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3025	3518	12003	2451	2850	9723
-20	-4	1901	2210	7541	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-16
Cylinder : 6 cylinders
Displacement : 163cc

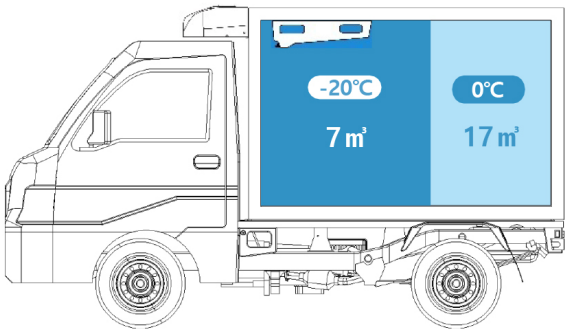


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

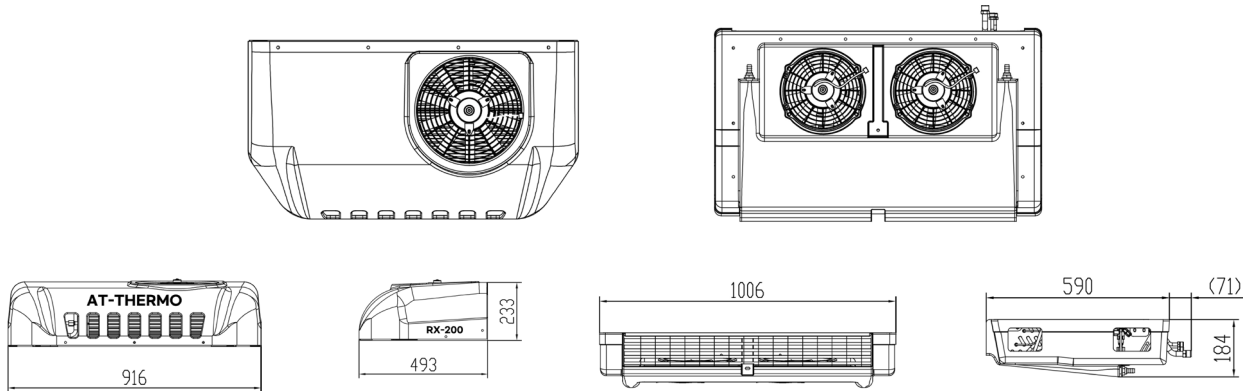
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX-400

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 7-18m³ Medium Trucks.

Description

Our refrigeration system is exclusively designed for fresh and frozen applications on medium trucks. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, each equipped with two plastic axial fans.



Condenser Unit

COIL : FIN & TUBE TYPE (COPPER)

Two plastic axial fans - diam. 280 mm x 2ea
Weight : 24 kg
Overall Size : 1042W x 467L x 293H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Two plastic axial fans - diam. 230 mm x 2ea
Airflow Volume : 1,410m³/h
Weight : 19 kg
Overall Size : 1006L x 590L x 184H (mm)



Refrigeration Capacity

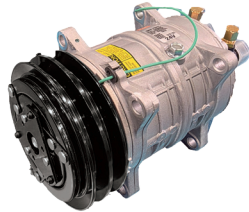
Evaporator return air temperature		HFC R-404a refrigerant Road Operation			AC220V,240V/1P/50Hz/60Hz Eletric Motor Driven (Rotary Comp.)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3526	4100	13989	1806	2100	7165
-20	-4	1978	2300	7848	1204	1400	4776

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-16
Cylinder : 6 cylinders
Displacement : 163cc

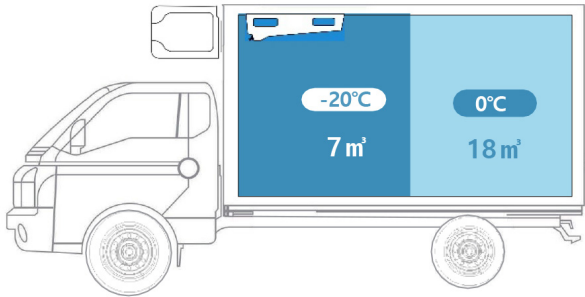


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

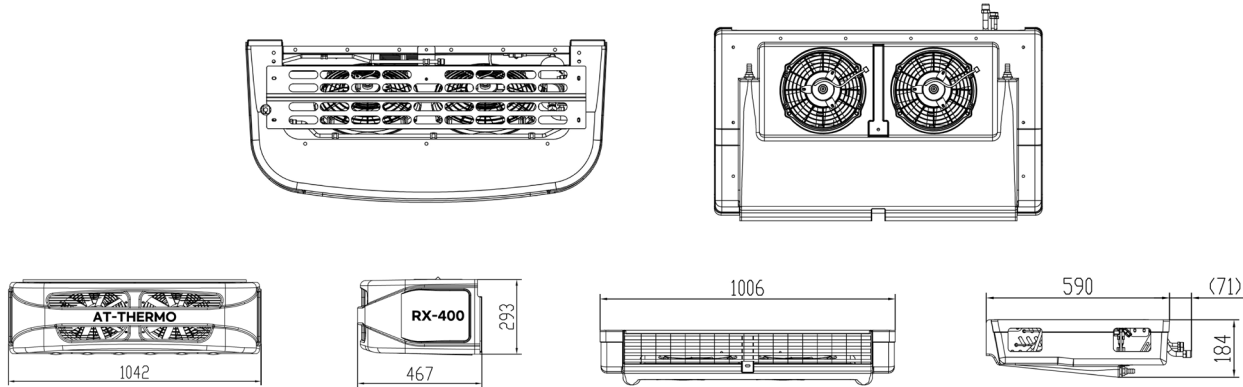
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

TATA DAEWOO OEM LINE UP

RX-500 / RX-500ES

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 10-20m³
Medium & Large Trucks.

Description

Our refrigeration system is exclusively designed for fresh and frozen applications on medium and large trucks. It's a direct engine-driven split system, featuring a condenser with two plastic axial fans and a separate evaporator with two plastic turbo fans.

Condenser Unit

COIL : FIN & TUBE TYPE (COPPER)

Two axial fans - diam. 280 mm x 2ea
Weight : 28 kg
Overall Size : 1050W x 509L x 375H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Two Plastic Axial Fan - diam. 230mm x 2ea
Airflow Volume : 1650 m³/h
Weight : 25 kg
Overall Size : 1260W x 593L x 192H mm



COIL : FIN & TUBE TYPE (COPPER)

Three axial fans - diam. 255 mm x 3ea
Airflow Volume : 2,180 m³/h
Weight : 5 kg
Overall Size : 1,402W x 694L x 206H (mm)



Refrigeration Capacity

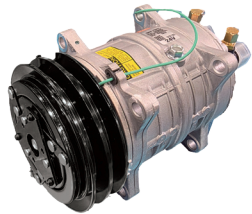
Evaporator return air temperature		HFC R-404a refrigerant Road Operation			AC220V/240V/380V/420V/3P/50Hz AC265V/290V/440V/480V/3P/60Hz Electric Motor Driven (2.5Kw)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3870	4500	15354	2581	3000	10241
-20	-4	2202	2560	8735	1445	1680	5734

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-16
Cylinder : 6 cylinders
Displacement : 163cc

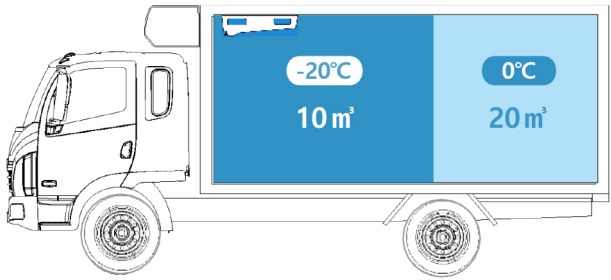


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

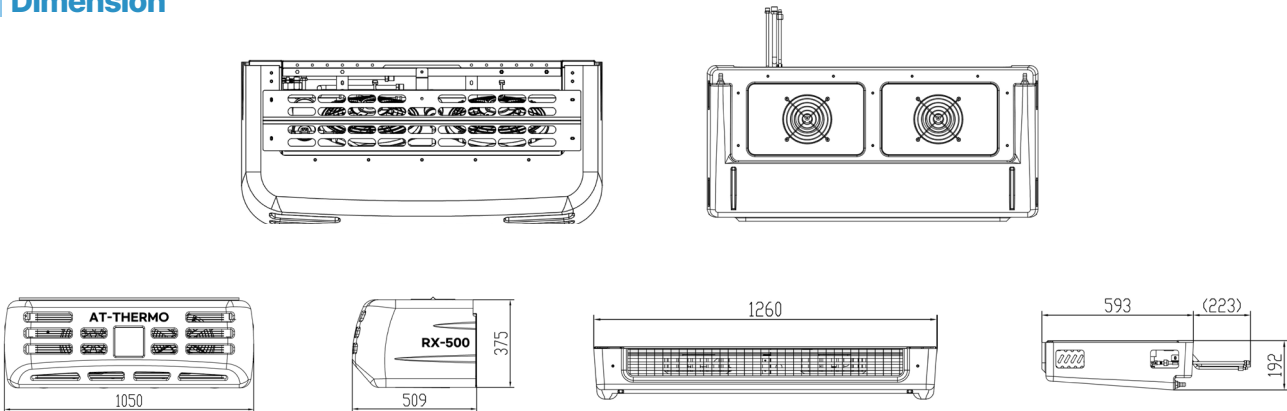
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

TATA DAEWOO OEM LINE UP

RX-700 / RX-700ES

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 18-25m³ Medium & Large Trucks.

Description

Our refrigeration system is exclusively designed for fresh and frozen applications on medium trucks. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, each equipped with two plastic axial fans.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Three axial fans - diam. 280 mm x 3ea

Weight : 36 kg

Overall Size : 1280W x 521L x 378H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Three axial fans - diam. 230 mm x 3ea

Airflow Volume : 2100m³/h

Weight : 28 kg

Overall Size : 1389W x 613L x 185H (mm)



Refrigeration Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			AC220V/240V/380V/420V/3P/50Hz AC265V/290V/440V/480V/3P/60Hz Electric Motor Driven (2.5Kw)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	5418	6300	21496	2753	3200	10918
-20	-4	3096	3600	12283	1652	1920	6551

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-21

Cylinder : 6 cylinders

Displacement : 215cc

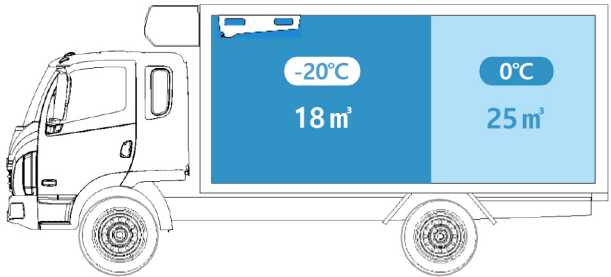


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

Refrigerants : R-134a, R-404A, R-452A

Defrost : Hot gas auto-defrost

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

Controller

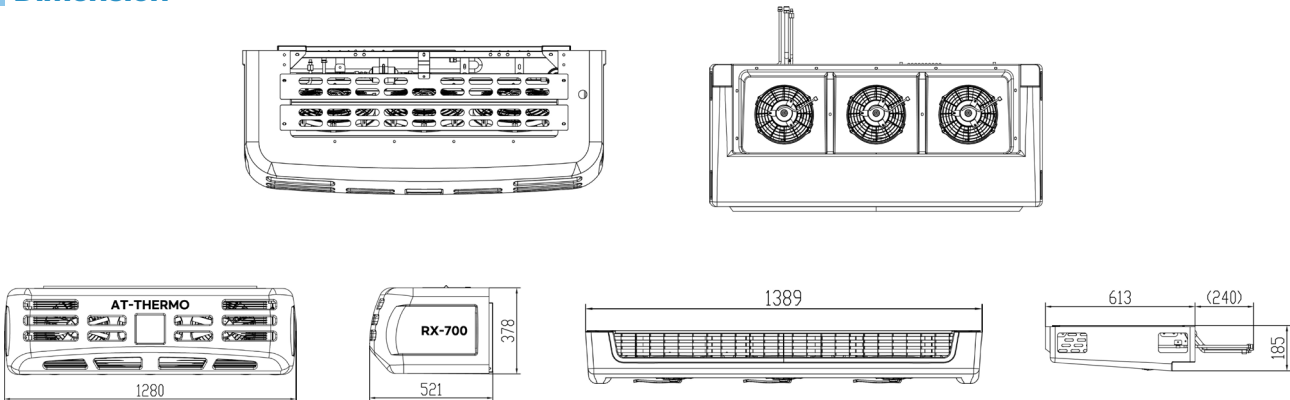
In-Cab Control System

Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX-800 II / RX-800ES II

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 18-25m³ Medium & Large Trucks.



Description

Our slim, dynamic refrigeration system for small trucks offers high-efficiency cooling, exclusively for fresh and frozen products. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, both equipped with three plastic axial fans.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

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

Weight : 44Kg

Overall Size : 1470W x 588L x 400H (mm)

Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Three Plastic Axial Fan - diam. 255mm x 3ea

Airflow Volume : 2,180m³/h

Weight : 28Kg

Overall Size : 1,402W x 694L x 206H (mm)

Refrigeration Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation			AC220V/240V/380V/420V/3P/50Hz AC265V/290V/440V/480V/3P/60Hz Electric Motor Driven (3Kw)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	5418	6300	21496	3269	3800	12966
-20	-4	3096	3600	12283	1978	2300	7847

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-21

Cylinder : 6 cylinders

Displacement : 215cc

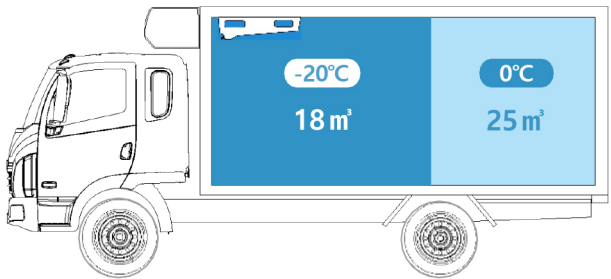


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

Refrigerants R-134a, R-404A, R-452A

Defrost : Hot gas auto-defrost

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

Controller

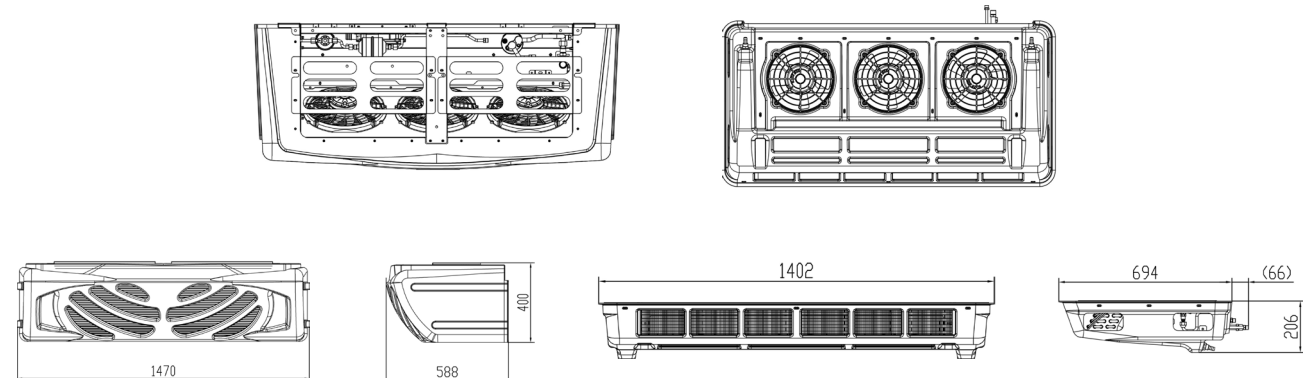
In-Cab Control System

Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX-900

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 20-30m³ Medium & Large Trucks



Description

Our refrigeration system is exclusively designed for fresh and frozen applications on medium trucks. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, both equipped with four plastic axial fans.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Three axial fans - diam. 280 mm x 3ea
Weight : 36 kg
Overall Size : 1280W x 521L x 378H (mm)

Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Four Plastic Axial Fan - diam. 230mm x 4ea
Airflow Volume : 2,930m³/h
Weight : 37 Kg
Overall Size : 1,556W x 610L x 186H (mm)

Refrigeration Capacity (When using TM-21)

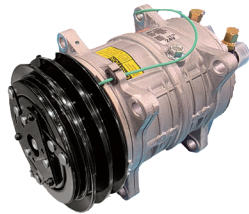
Evaporator return air temperature		HFC R-404a refrigerant Road Operation			AC220V/240V/380V/420V/3P/50Hz AC265V/290V/440V/480V/3P/60Hz Electric Motor Driven (2.5Kw)		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	6450	7500	25590	3097	3600	12263
-20	-4	3784	4400	15013	1765	2052	7001

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-21
Cylinder : 6 cylinders
Displacement : 215cc

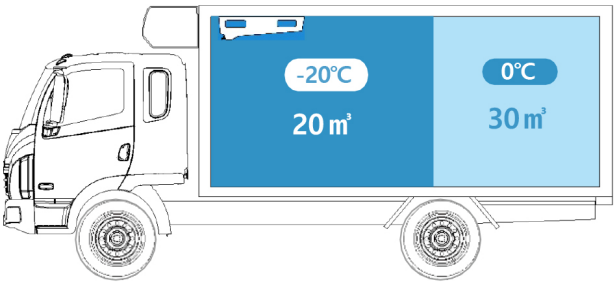


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

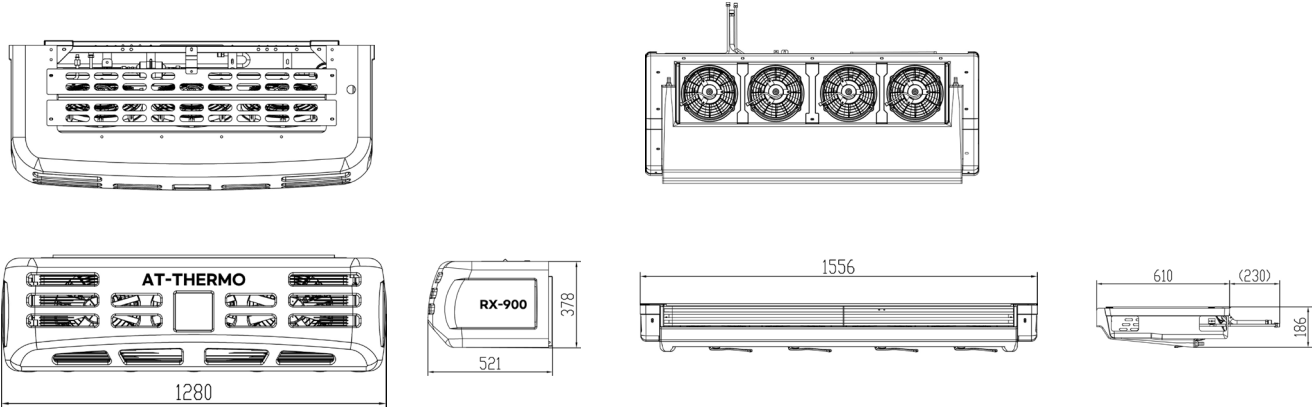
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX-500D Twin Condensing Series

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 18-23m³ Medium & Large Trucks



Description

Our slim, dynamic refrigeration system for small trucks offers high-efficiency cooling, exclusively for fresh and frozen products. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, both equipped with four plastic axial fans.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

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

Weight : 40Kg

Overall Size : 1,706W x 533L x 443H (mm)

Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Two Plastic Axial Fan - diam. 230mm x 2ea

Airflow Volume : 1,650m³/h

Weight : 25Kg

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

Refrigeration Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation(ROOM A)			HFC R-404a refrigerant Road Operation(ROOM B)		
°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

Compressor

VALEO / TM-16 (ROOM A) TM-16 (ROOM B)

Cylinder : 6 cylinders

Displacement : 163cc x2

Optional Model

TCCI : QP - Series



Others

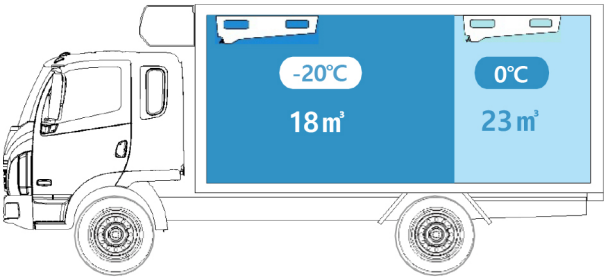
Refrigerants : R-134a, R-404A, R-452A

Defrost : Hot gas auto-defrost

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

Box volume

Ambient 30°C ■ -20°C □ 0°C



Controller

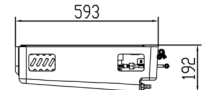
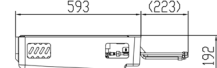
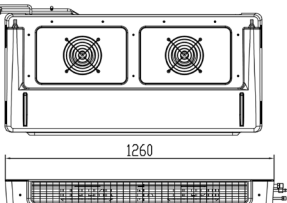
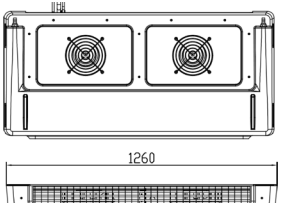
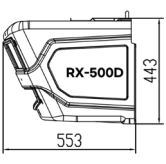
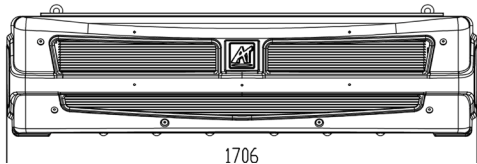
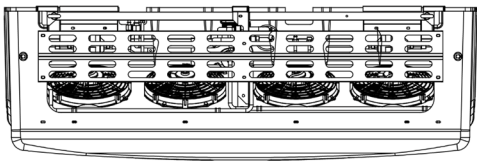
In-Cab Control System

Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX-700D Twin Condensing Series

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 20-30m³ Medium & Large Trucks



Description

Our refrigeration system is exclusively designed for fresh and frozen applications on medium trucks. Its compressors are directly driven by the vehicle's engine. This split system includes a condenser with four plastic axial fans, and an evaporator with three plastic axial fans along with two additional separate plastic axial fans.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

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

Weight : 40Kg

Overall Size : 1,706W x 553L x 443H (mm)

Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Three Plastic Axial Fan - diam. 230mm x 3ea

Airflow Volume : 1,910m³/h

Weight : 28Kg

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

Two Plastic Axial Fan - diam. 240mm x 2ea

Airflow Volume : 1,650m³/h

Weight : 25Kg

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

Refrigeration Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation (ROOM A)			HFC R-404a refrigerant Road Operation (ROOM 2)		
°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

Compressor

VALEO / TM-21 (ROOM A) TM-16 (ROOM B)

Cylinder : 6 cylinders

Displacement : 215cc & 163cc

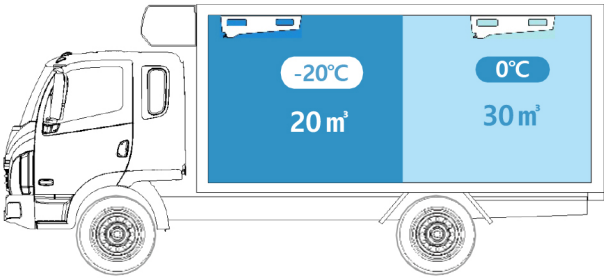
Optional Model

TCCI : QP - Series



Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

Refrigerants : R-134a, R-404A, R-452A

Defrost : Hot gas auto-defrost

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

Controller

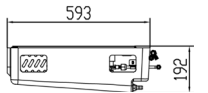
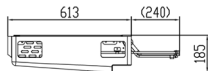
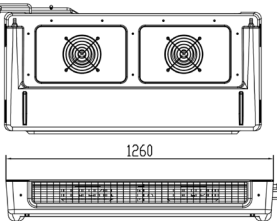
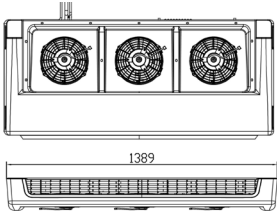
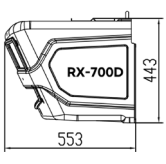
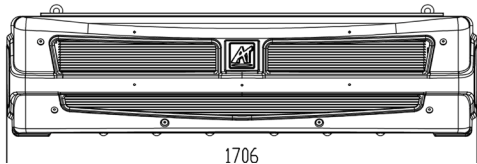
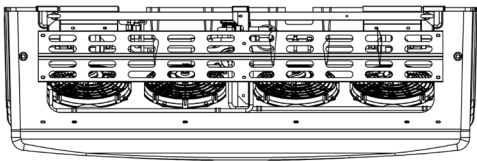
In-Cab Control System

Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

RX-900D Twin Condensing Series

VEHICLE ENGINE DRIVEN REFRIGERATION

High-Performance Refrigeration for 22-34m³ Medium & Large Trucks



Description

Our refrigeration system is exclusively designed for fresh and frozen applications on medium & large size trucks. Its compressors are directly driven by the vehicle's engine. This split system consists of a condenser with four plastic axial fans, and an evaporator featuring four plastic axial fans along with two additional separate plastic axial fans.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

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

Weight : 39.9Kg

Overall Size : 1,706W x 553L x 443H (mm)

Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Four Plastic Axial Fan - diam. 255mm x 4ea

Airflow Volume : 2,930m³/h

Weight : 43.5Kg

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

Two Plastic Axial Fan - diam. 230mm x 2ea

Airflow Volume : 1,650m³/h

Weight : 25Kg

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

Refrigeration Capacity

Evaporator return air temperature		HFC R-404a refrigerant Road Operation (ROOM A)			HFC R-404a refrigerant Road Operation (ROOM B)		
°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

Compressor

VALEO / TM-21 (ROOM A) TM-16 (ROOM B)

Cylinder : 6 cylinders

Displacement : 215cc +163cc

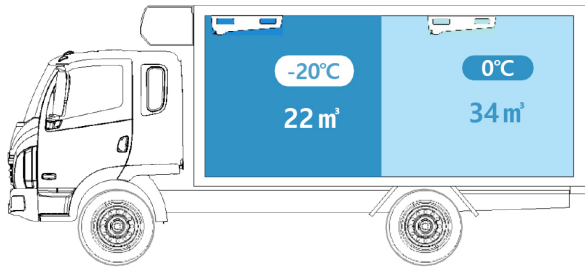
Optional Model

TCCI : QP - Series



Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

Refrigerants : R-134a, R-404A, R-452A

Defrost : Hot gas auto-defrost

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

Controller

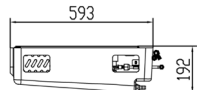
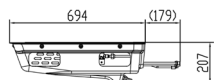
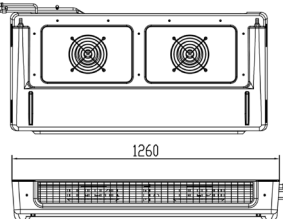
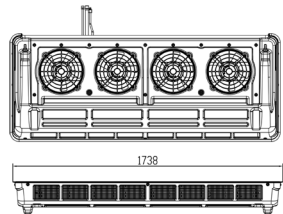
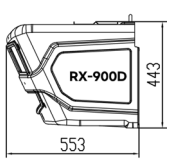
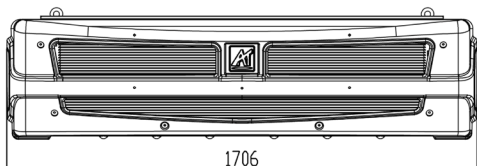
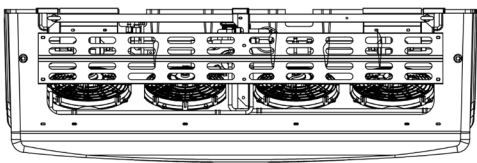
In-Cab Control System

Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

Roof Type

RT-200HL

VEHICLE ENGINE DRIVEN REFRIGERATION

Roof-Mounted High-Performance Cooling for 3-6m³ Small Vans.

Description

Our slim, dynamic refrigeration system for small vans and trucks offers high-efficiency cooling, exclusively for fresh and frozen products. It's available as a Roof-Top Mount type, ensuring superior performance.



Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

One Plastic Axial Fan - diam. 380mm x 1ea
Weight : 24Kg
Overall Size : 792W x 729L x 200H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

One Plastic Axial Fan - diam. 305mm x 1ea
Airflow Volume : 850m³/h
Weight : 16.5 Kg
Overall Size : 752W x 743L x 207H (mm)

Refrigeration Capacity

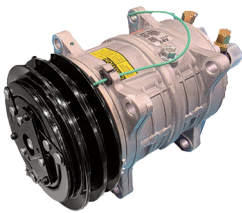
Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	2597	3020	10304	1212	1409	4809
-20	-4	1496	1740	5937	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-15
Cylinder : 6 cylinders
Displacement : 147 cc

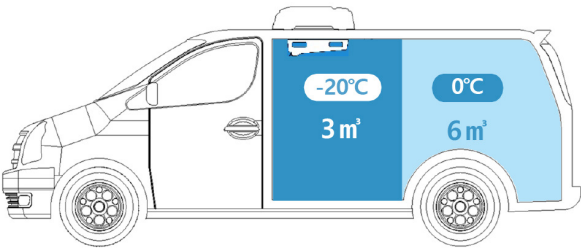


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

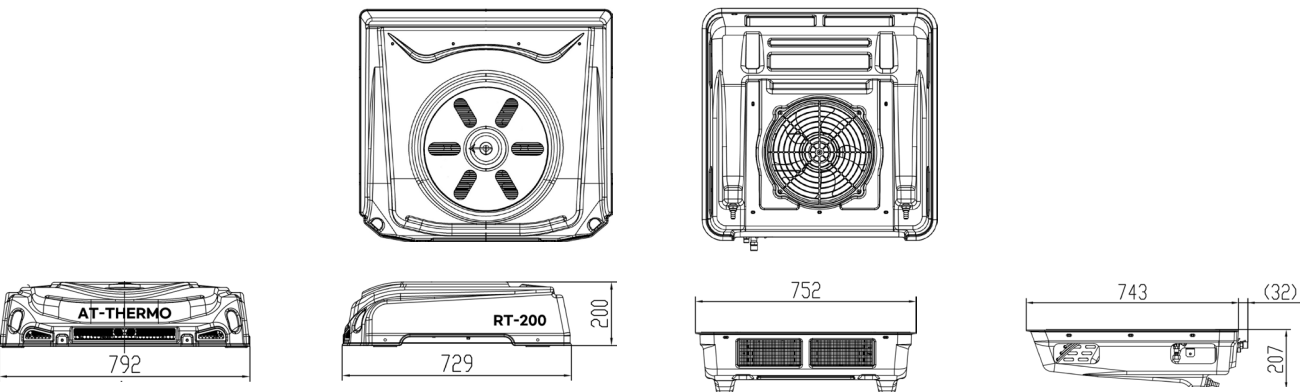
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

Roof Type

RT-400HL

VEHICLE ENGINE DRIVEN REFRIGERATION

Roof-Mounted High-Performance Cooling for 7-16m³ Small Vans.

Description

Our slim, dynamic refrigeration system for medium trucks provides high-efficiency cooling, exclusively for fresh and frozen products. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, both equipped with two plastic axial fans.



Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Two Plastic Axial Fan - diam. 305mm x 2ea
Weight : 31 Kg
Overall Size : 1,085W x 739L x 200H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Two Plastic Axial Fan - diam. 255mm x 2ea
Airflow Volume : 1,410m³/h
Weight : 21 Kg
Overall Size : 1,039W x 694L x 207H (mm)

Refrigeration Capacity

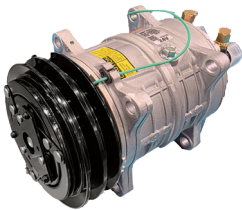
Evaporator return air temperature		HFC R-404a refrigerant Road Operation			HFC R-134a refrigerant Road Operation		
°C	°F	Kcal/h	Watts	Btu/h	Kcal/h	Watts	Btu/h
0	32	3025	3518	12003	1539	1790	6108
-20	-4	1901	2210	7541	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

VALEO / TM-15
Cylinder : 6 cylinders
Displacement : 147 cc

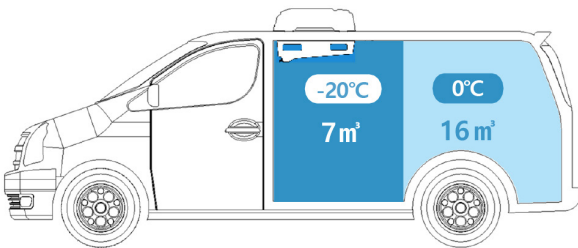


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

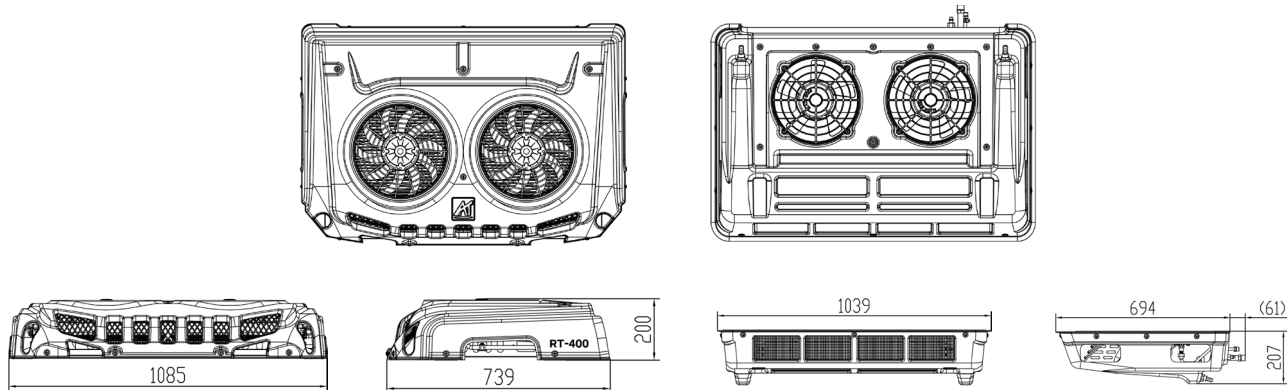
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

Roof Type

RT-500HL

VEHICLE ENGINE DRIVEN REFRIGERATION

Roof-Mounted High-Performance Cooling for 10-18m³ Small Vans.

Description

Our slim, dynamic refrigeration system for medium trucks provides high-efficiency cooling, exclusively for fresh and frozen products. It's a direct engine-driven split system, featuring a condenser and a separate evaporator, both equipped with two plastic axial fans.



Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Two Plastic Axial Fan - diam. 305mm x 2ea
Weight : 29.1Kg
Overall Size : 1,085W x 739L x 200H (mm)



Evaporator Unit

COIL : FIN & TUBE TYPE (COPPER)

Two Plastic Axial Fan - diam. 305mm x 2ea
Airflow Volume : 1,630m³/h
Weight : 25 Kg
Overall Size : 1,251W x 743L x 207H (mm)

Refrigeration 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

Compressor

VALEO / TM-16
Cylinder : 6 cylinders
Displacement : 163cc

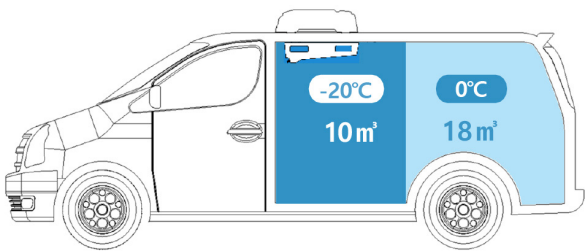


Optional Model

TCCI : QP - Series

Box volume

Ambient 30°C ■ -20°C □ 0°C



Others

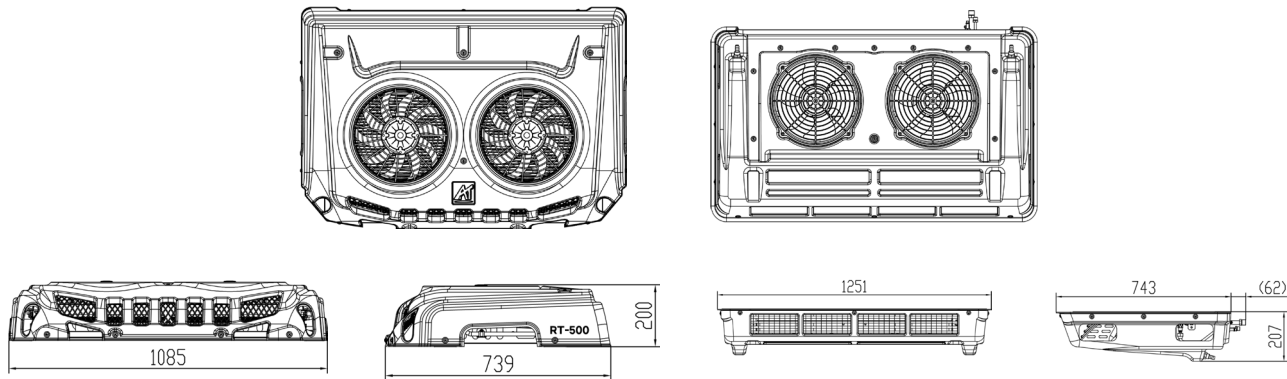
Refrigerants : R-134a, R-404A, R-452A
Defrost : Hot gas auto-defrost
Operation : Digital Display, Simple Operation
Automatic on/off system

Controller

In-Cab Control System
Automatic temperature display with easier control system
Optional : IoT Connectivity : 4G (LTE) + GPS



Dimension



PRODUCTS SPECIFICATION

TR-700S / TR-700ES

DIESEL ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 24-29m³ Medium Trucks.



Description

AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on medium trucks.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Fan drive : Driven by engine belt
Size : 1938W x 1693L x 651H (mm)

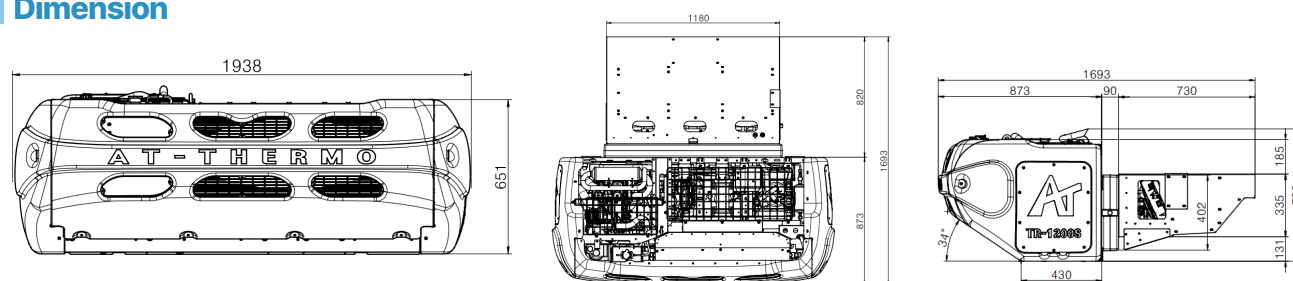
Compressor

BOCK FKX30 / 235TK / Germany
Displacement : 235 cc

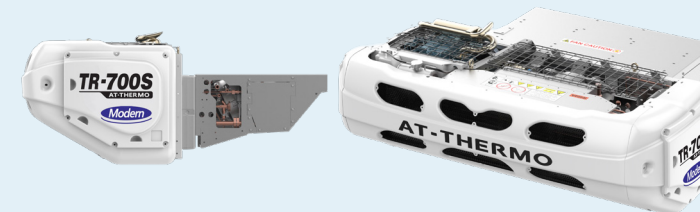
Engine

KUBOTA / D 1105 / Japan
Displacement : 1123 cc

Dimension



All in one - type

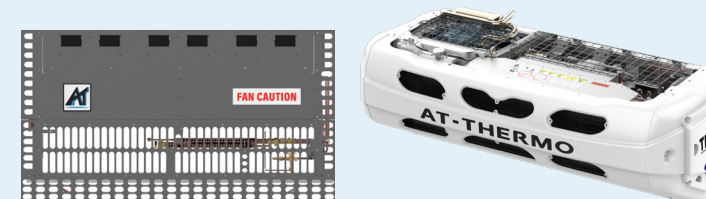


Evaporator

COIL : FIN & TUBE TYPE (COPPER)

3 Fans - diam. 280 mm
Airflow Volume : 2900 m3/h
Size : 1180W x 810L x 335H (mm)

Wall - type

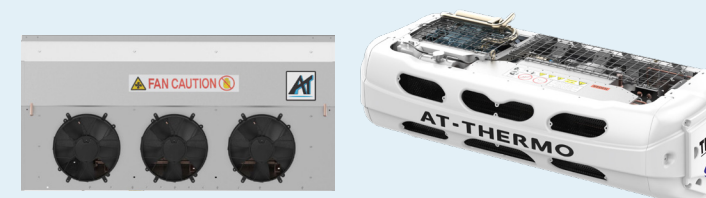


Evaporator

COIL : FIN & TUBE TYPE (COPPER)

Fan drive : DC 12V / (14.5AMP 3350 RPM) x 3ea
Airflow Volume : 3300 m3/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)

Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea
Airflow Volume : 2900 m3/h
Size : 1553W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	473 kg
Watts	5640	4154	4000	3100	
Kcal/h	4850	3572	3439	2665	
BTU/h	19244	14174	13648	10578	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TR-800S / TR-800ES

DIESEL ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 25-36m³ Medium Trucks.

Description

AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on medium trucks.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)
Fan drive : Driven by engine belt
Size : 1938W x 1693L x 651H (mm)

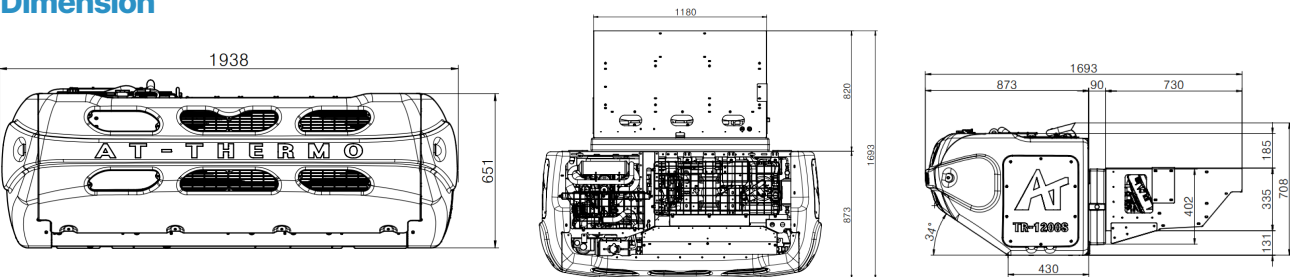
Compressor

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

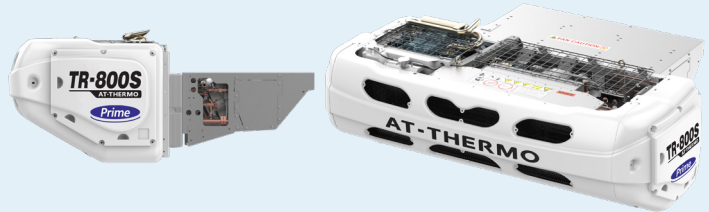
Electric standby

5.5kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrost

HOT GAS
Electric automatic defrost
/ 3 Manual defrost controlled by controller

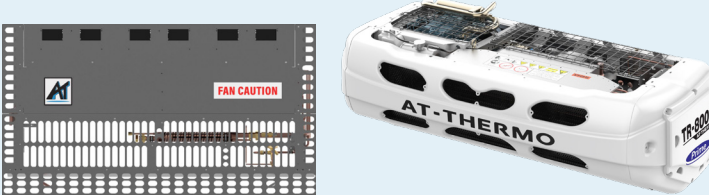
All in one - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
3 Fans - diam. 280 mm
Air Volume : 2900 m³/h
Size : 1180W x 810L x 335H (mm)

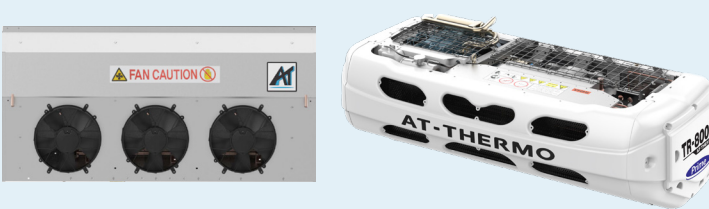
Wall - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (14.5AMP 3350 RPM) x 3ea
Air Volume : 3300 m³/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea
Air Volume : 2900 m³/h
Size : 1553W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	473 kg
Watts	6471	4932	4800	3700	
Kcal/h	5564	4241	4127	3181	
BTU/h	22080	16829	16378	12625	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TR-900S / TR-900ES

DIESEL ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 30-40m³ Large Trucks.

Description

AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on Large trucks.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Fan drive : Driven by engine belt
Size : 1938W x 1693L x 651H (mm)

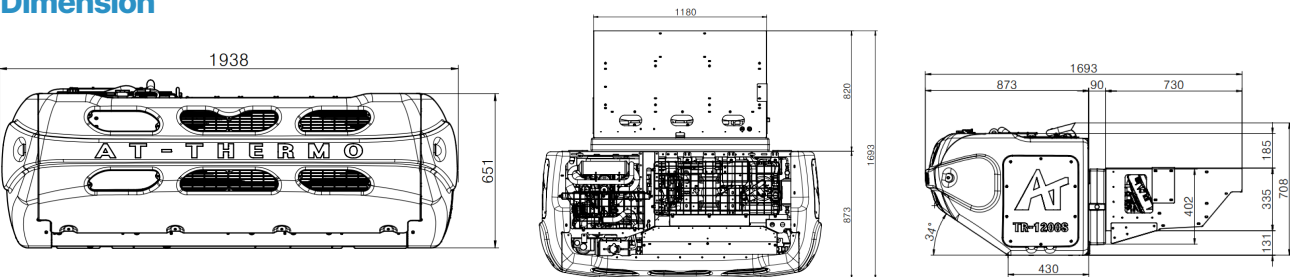
Compressor

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

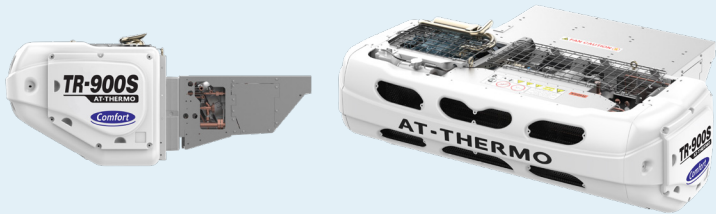
Electric standby

5.5kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrost

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

All in one - type

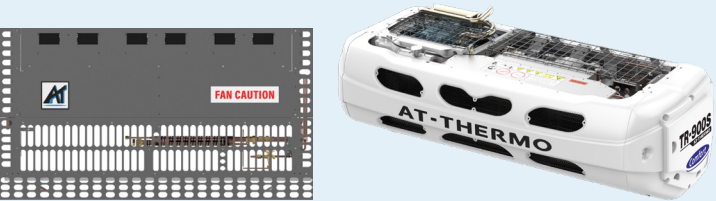


Evaporator

COIL : FIN & TUBE TYPE (COPPER)

Fan drive : DC 12V *8.0Amp *2,400 RPM x 3ea
Air Volume : 2900 m3/h
Size : 1180W x 810L x 335H (mm)

Wall - type

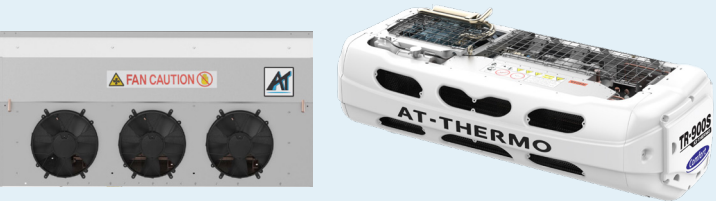


Evaporator

COIL : FIN & TUBE TYPE (COPPER)

Fan drive : DC 12V / (14.5Amp 3350 RPM) x 3ea
Air Volume : 3300 m3/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)

Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea
Air Volume : 2900 m3/h
Size : 1553W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	473 kg
Watts	7559	5867	5400	4200	
Kcal/h	6500	5045	4643	3611	
BTU/h	25792	20019	18426	14331	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TR-1000S / TR-1000ES

DIESEL ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 35-40m³ Large Trucks.

Description

AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on Large trucks.

Condenser Unit

**COIL : PARALLEL FLOW TYPE (PF)
FIN & TUBE TYPE (COPPER)**

Fan drive : Driven by engine belt
Size : 1938W x 1693L x 651H (mm)

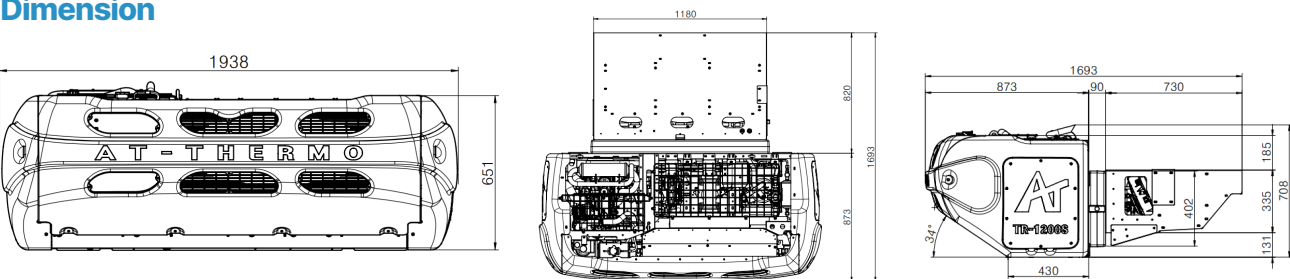
Compressor

BOCK-FKX40 / 390TK / Germany
Displacement: 395 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 +/- 100g

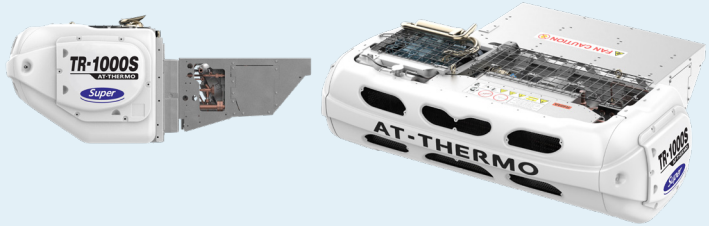
Electric standby

8.5kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrost

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

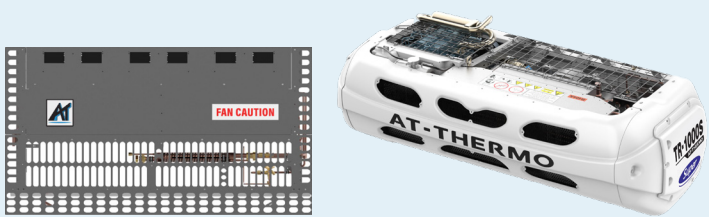
All in one - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (10Amp 2500 RPM) x 3ea
Air Volume : 3450 m³/h
Size : 1180W x 820L x 335H (mm)

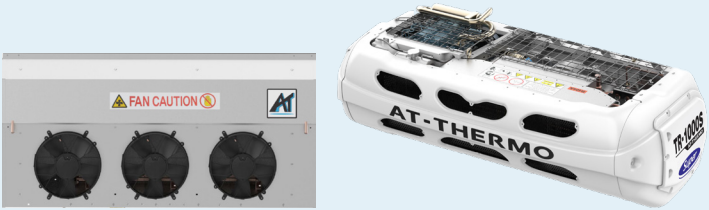
Wall - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (14.5Amp 3350 RPM) x 3ea
Air Volume : 4400 m³/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea
Air Volume : 4600 m³/h
Size : 1703W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	7900	6425	5400	4200	
Kcal/h	6793	4659	4643	3611	
BTU/h	26955	18487	18426	14331	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TR-1200S / TR-1200ES

DIESEL ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 40-45m³ Large Trucks.

Description

Description

AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on Large trucks.



Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)

Fan drive : Driven by engine belt
Size : 1938W x 1683L x 651H (mm)

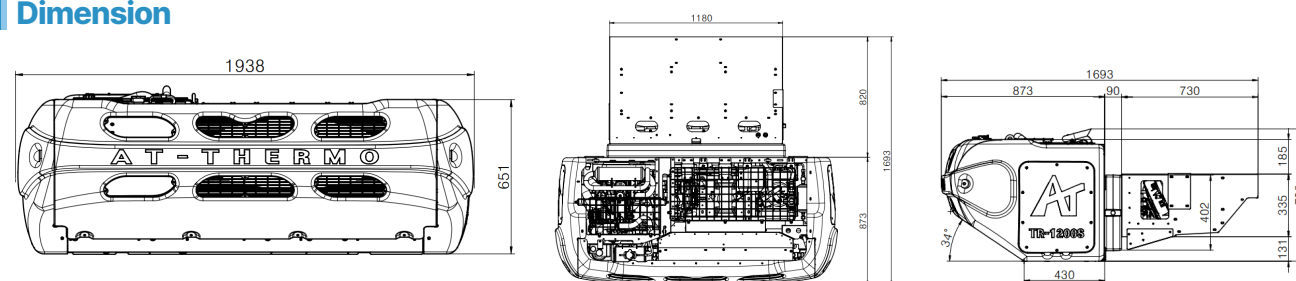
Compressor

BOCK- FKX40 / 470 TK / Germany
Displacement: 465 cc

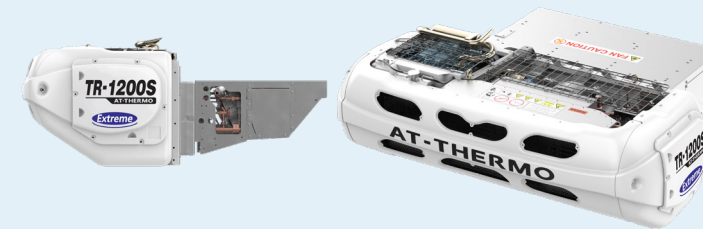
Engine

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

Dimension



All in one - type

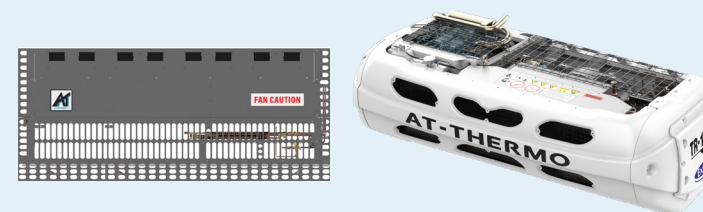


Evaporator

COIL : FIN & TUBE TYPE (COPPER)

Fan drive : DC 12V / (10Amp 2500 RPM) x 3ea
Air Volume : 3450 m3/h
Size : 1180W x 820L x 335H (mm)

Wall - type



Evaporator

COIL : COPPER, FIN & TUBE TYPE

Fan drive : DC 12V / (14.5Amp 3350 RPM) x 4ea
Air Volume : 4400 m3/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : COPPER, FIN & TUBE TYPE

Fan drive : DC 12V / (12Amp 2700 RPM) x 4ea
Air Volume : 4600 m3/h
Size : 1703W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0℃	-20℃	0℃	-20℃	560 kg
Watts	9551	7099	6430	4300	
Kcal/h	8212	6104	5529	3697	
BTU/h	32589	24223	21940	14672	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TR-1500S / TR-1500ES

DIESEL ENGINE DRIVEN REFRIGERATION

High-Performance Cooling for 40-45m³ Large Trucks.

Description

Description
AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on Large trucks.

Condenser Unit

COIL : PARALLEL FLOW TYPE (PF)
Fan drive : Driven by engine belt
Size : 1938W x 1693L x 651H (mm)

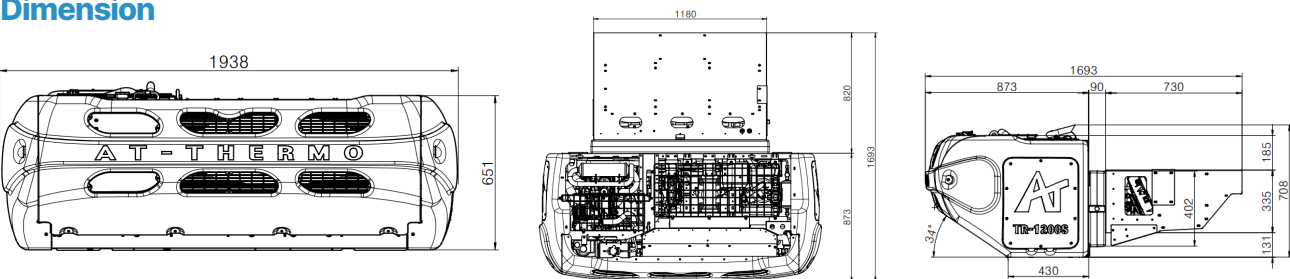
Compressor

BOCK- FKX40 / 560 TK / Germany
Displacement: 555 cc

Engine

Model : KUBOTA / D-1105 / Japan
Cylinder : 3 cylinders
Weight : 95 kg
Capacity : 1,123 cc

Dimension



Refrigerant

HFC R-404A
Amount : 4.2 kg +/- 100g

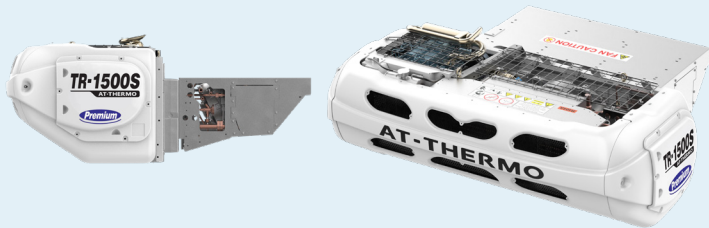
Electric standby

10kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrost

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

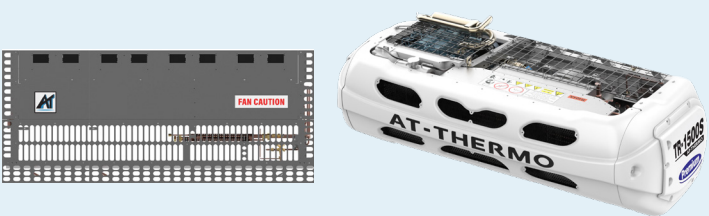
All in one - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V *12Amp *2500 RPM x 3ea
Air Volume : 3450 m3/h
Size : 1180W x 820L x 335H (mm)

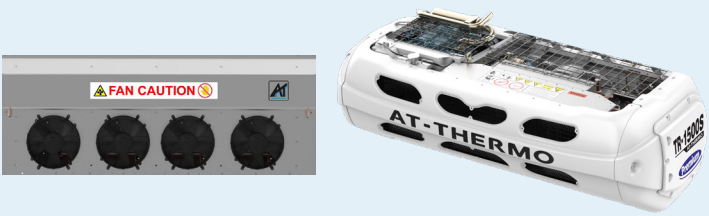
Wall - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (14.5Amp 3350 RPM) x 4ea
Air Volume : 4400 m3/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (12Amp 2700 RPM) x 4ea
Air Volume : 4600 m3/h
Size : 1703W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	11390	8467	7600	5000	
Kcal/h	9794	7280	6035	4299	
BTU/h	38864	28891	25932	17061	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TR-2000S / TR-2000ES

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

AT-THERMO's self-powered engine-driven unit is a professionally designed and manufactured refrigeration system for fresh and frozen applications on Large trucks.

Condenser Unit

**COIL : PARALLEL FLOW TYPE (PF)
FIN & TUBE TYPE (COPPER)**

Fan drive : Driven by engine belt
Size : 1938W x 1693L x 651H (mm)

Compressor

BOCK- FKX40 / 655 TK / Germany
Displacement: 650 cc

Engine

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

Refrigerant

HFC R-404A
Amount : 4.2 kg

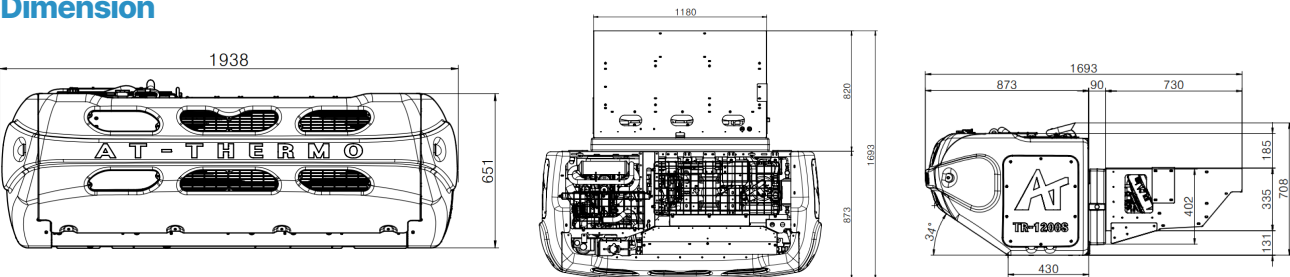
Electric standby

10kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

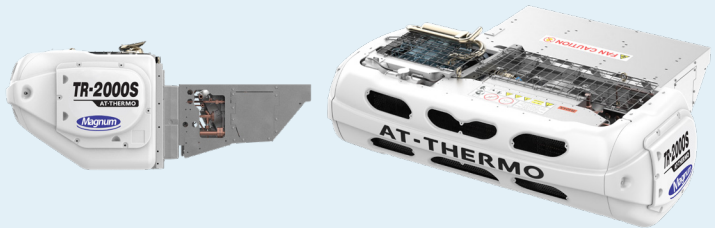
Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

Dimension



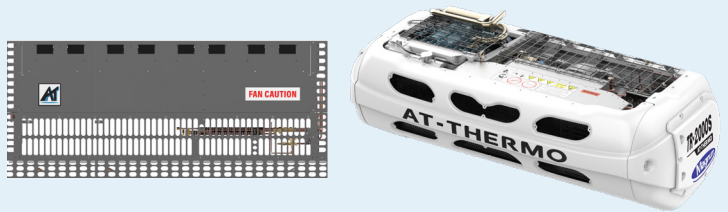
All in one - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V *12Amp *2500 RPM x 3ea
Air Volume : 3450 m3/h
Size : 1180W x 820L x 335H (mm)

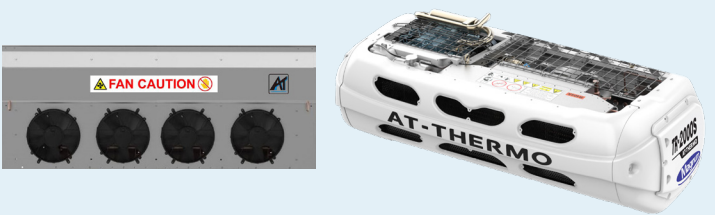
Wall - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (14.5Amp 3350 RPM) x 4ea
Air Volume : 4400 m3/h
Size : 1740W x 948L x 168H (mm)

Slim - type



Evaporator

COIL : FIN & TUBE TYPE (COPPER)
Fan drive : DC 12V / (12Amp 2700 RPM) x 4ea
Air Volume : 4600 m3/h
Size : 1703W x 768L x 233H (mm)

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 kg
Watts	13730	10388	9000	6700	
Kcal/h	11806	8932	7739	5760	
BTU/h	46849	35445	30709	22861	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

PRODUCTS SPECIFICATION

TU-1000S TU-1000ES

DIESEL ENGINE DRIVEN REFRIGERATION

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

Description

Refrigeration system for medium & large-sized trucks. Compressor driven by diesel engine, separated composition, under-mounted condenser, and wall-type evaporator

Condenser Unit

Type, Fan : diam. 435*6B x 1ea
Fan type : Driven by engine belt

Defrosting

Hot gas auto defrost or manual defrost

Electric standby

8.5kw, High Performance AC Motor 220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Refrigerants

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

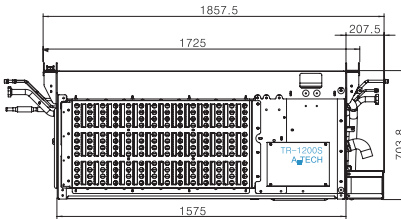
Compressor

BOCK-FKX40 /390TK / Germany
Displacement: 385 cc

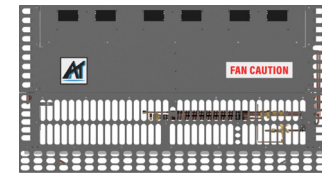
Engine

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

Dimension



Wall – type Evaporator



Size : 1740W x 948L x 168H (mm)
DC 12V double blower fan motor x 3ea

Slim – type Evaporator



Size : 1553W x 768L x 233H (mm)
Fan drive : DC 12V / (12Amp 2700 RPM) x 3ea

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	
Watts	7900	6425	5400	4200	
Kcal/h	6793	4659	4643	3611	
BTU/h	26955	18487	18423	14331	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

TU-1200S TU-1200ES

DIESEL ENGINE DRIVEN REFRIGERATION

The TU-1200S is a self-contained, under-mount diesel engine-driven unit.

Description

Refrigeration system for medium & large-sized trucks. Compressor driven by diesel engine, separated composition, under-mounted condenser, and wall-type evaporator

Condenser

Type, Fan : diam. 435*6B x 1ea
Fan type : Driven by engine belt

Defrosting

Hot gas auto defrost or manual defrost

Electric standby

10kw, High Performance AC Motor 220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Refrigerants

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

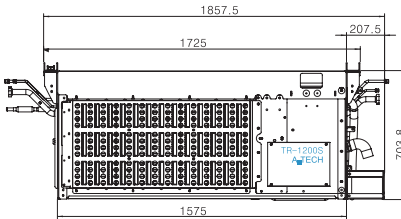
Compressor

BOCK- FKX40 / 470TK / Germany
Displacement: 465 cc

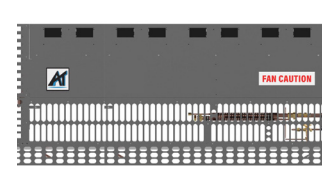
Engine

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

Dimension

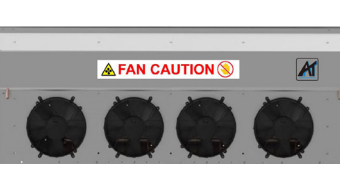


Wall – type Evaporator



Size : 1740W x 948L x 168H (mm)
DC 12V double blower fan motor x 4ea

Slim – type Evaporator



Size : 1703W x 768L x 233H (mm)
DC 12V double blower fan motor x 4ea

Refrigeration Capacity

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	
Watts	9551	7099	6430	4300	
Kcal/h	8212	6104	5529	3697	
BTU/h	32589	24223	21940	14672	

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

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

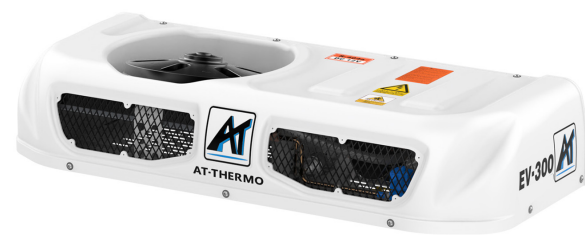
Description

Our slim, dynamic refrigeration system for small trucks offers high-efficiency cooling, exclusively for fresh and frozen products. It's an EV-specific split system, where the compressor is directly driven by the battery, featuring a condenser and a separate evaporator, both with two plastic axial fans.

Condenser Unit

PF (Parallel Flow) Condenser Type

One Plastic Axial Fan - diam. 380mm x 1ea
Weight : 40.0Kg
Overall Size : 1,085L x 739W x 197H (mm)



Evaporator Unit (EV-300)

COIL : FIN & TUBE TYPE (COPPER)

One Plastic Axial Fan - diam. 305mm x 1ea - 850m³/h
Weight : 14.7Kg
Overall Size : 752L x 743W x 207H (mm)



Refrigeration Capacity(EV-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

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



Others

Option
Oil separator, SPR valve, Heater, Temperature Recorder

Auto Defrost
Automatic hot gas defrost is seamlessly initiated and terminated by the cab controller.

Heating system
When ambient temperature falls below the truck body temperature, our heating system activates to protect products from freezing.

Current Draw : DC 380V (DC24V) / 33.1Amp

Evaporator Unit (EV-400)

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)

Refrigeration Capacity(RV-400_)

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	2442	2840	9690	0	0	0
-20	-4	1135	1320	4504	-	-	-

* Specifications can be changed without notice in advance

Ambient temperature at 30°C/86°F

Compressor

Engine Driven / 2,400rpm

HITACHI ZS1520D1 20.1 cc/rev

Oil Charge SW-32 POE 400cc



Controller

In-Cab Control System

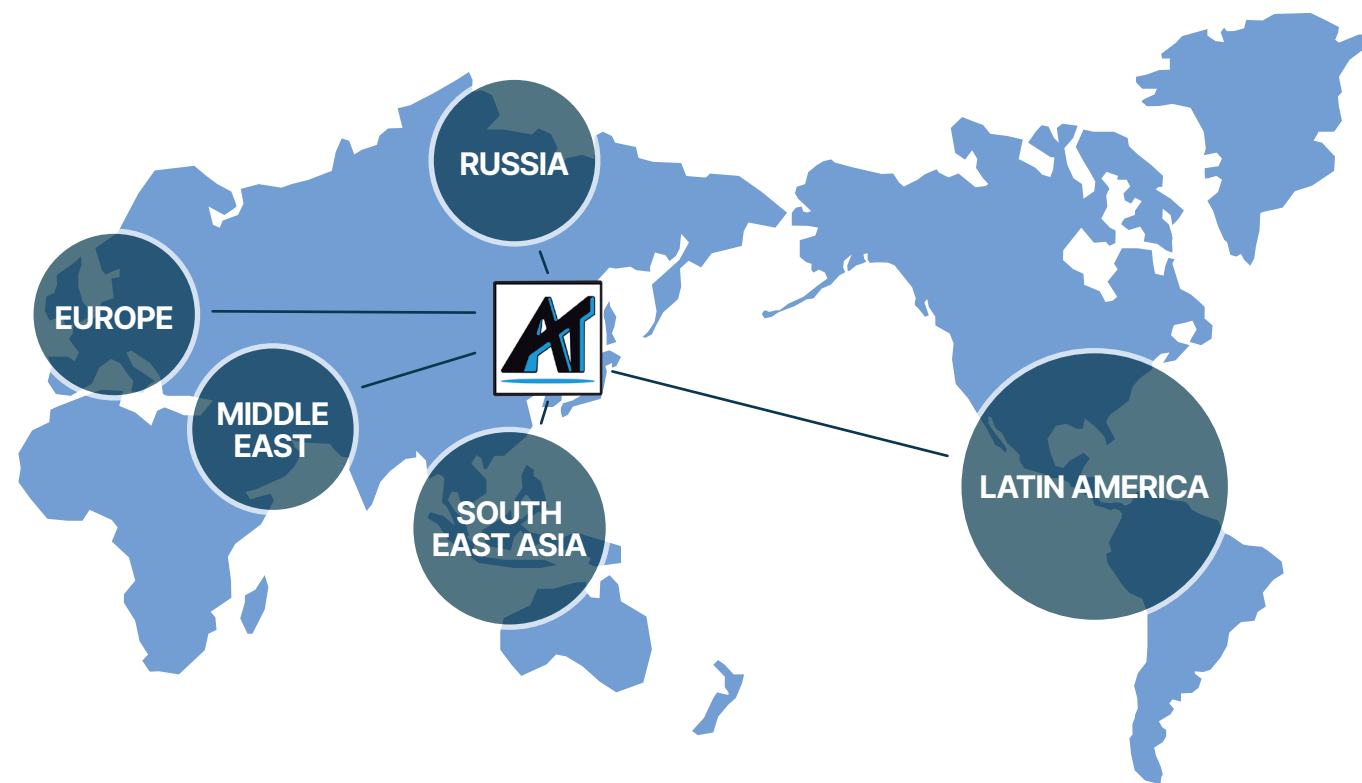
Automatic temperature display with easier control system

Optional : IoT Connectivity : 4G (LTE) + GPS



OVERSEAS NETWORK

BEST TECHNOLOGY & BEST PRODUCT



At AT-THERMO, we operate under a “one country one official distributor” marketing strategy, excluding China, the U.S.A., and India. To ensure mutual prosperity, we are committed to providing the highest quality, service, technology, and sustainability to our partners. We truly believe your success is our success. Join AT-THERMO, and together, let’s become the leading supplier in your market.

Memo

Memo

OVERSEA'S DISTRIBUTOR INFORMATION

ATTACH YOUR DISTRIBUTOR PAPER HERE

NOTICE

We confirm that the information provided above pertains to our official distributors. Customers are welcome to conduct business directly with these authorized partners.

Version No. 11 (Aug. 2025)

AT-THERMO. Co., Ltd.