

A - TECHEL THERMO

PRODUCTS GUIDE

BEST TECHNOLOGY & BEST PRODUCT



CONTENTS

01 GREETINGS

02 PRODUCTS OVERVIEW

03 PRODUCTS SPECIFICATION

RX series

RX - 050

RX - 070

RX - 400

RX - 500

RX - 700

TATA DAEWOO OEM

RX - 350

RX - 700 II

TR series

TR - 400S

TR - 600S

TR - 800S

TR - 1000S

TR - 1200S

TR - 1500S

TRU series

TRU - 1000S

TRU - 1200S



GREETINGS

Welcome to A-TECHEL THERMO Co., Ltd.

As a specialist of the vehicle refrigeration system, A-TECHEL THERMO Co., Ltd. is growing up rapidly by competing with many domestic and overseas competitors. Unlike general industrial refrigerator, this refrigeration system requires high reliability to maintain the freshness and optimal temperatures while moving to various areas. It provides high performance under the bad condition by accurate temperature controlling.

Our technology has been recognized by many overseas customers for its quality and advantages. Our products which are exported to Southeast Asia, the Middle East, South America etc., are well known as refrigeration system that can apply to harsh environment and unfavorable condition. We are broadening our value through our innovative technology and better quality product. We will try hard and hard to become a leading manufacturer in global market.

Deeply appreciate for your interests and supports.

Thank you.

President
A-TECHEL THERMO Co., Ltd

PRODUCTS OVERVIEW - Main type

VEHICLE ENGINE DRIVEN REFRIGERATION

RX - 050



RX - 070



RX - 400



RX - 500



RX - 700



TATA DAEWOO OEM

RX - 350



RX - 700 II



PRODUCTS OVERVIEW - Sub type

DIESEL ENGINE DRIVEN REFRIGERATION

TR - 400S



TR - 600S



TR - 800S



TR - 1000S



TR - 1200S



TR - 1500S



TRU - 1000S



TRU - 1200S



PRODUCTS SPECIFICATION

RX - 050

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for small truck in range of
3~4 m³ storage volume.



20.7 Kg

Description

A slim dynamic small van truck refrigeration system exclusively designed for fresh and frozen products. Nose or roof-top mount types are available with high efficiencies of performance.

Condenser Unit

PLATE FIN TYPE

One PP axial fan - diam. 280 mm

Weight : 20.7 Kg (45.5 Ibs)

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 - 610 m³/h

Weight : 13.7 Kg (30.2Ibs)

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



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	1935	2250	7677
-18	-0.4	1316	1530	5220	-	-	-

* Specifications can be changed without notice in advance

Compressor

Model : VALEO / TM-15

Displacement : 147 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-5H14

Displacement : 138 cc

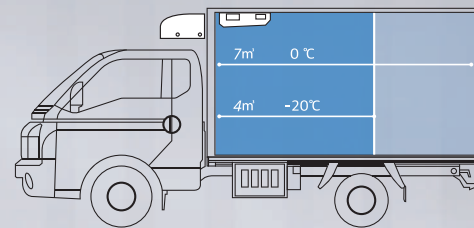
Cylinder : 5 cylinders

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

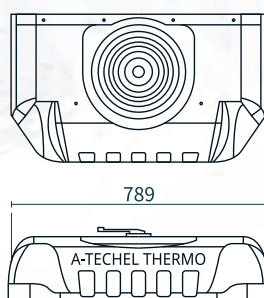
Condenser Case : Frame : GI - steel / Grill: ABS

Evaporator Case : ABS SLIM

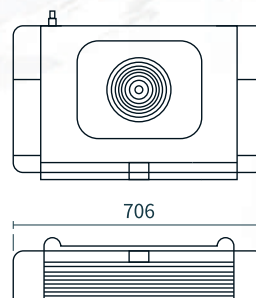


Dimension

(mm)



(mm)



RX - 070

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for small truck in range of
4~5 m³ storage volume.



29 Kg

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 one PP axial fan and evaporator with two plastic axial fans separately.

Condenser Unit

PLATE FIN TYPE

One PP axial fan - diam. 280 mm

Weight : 29 Kg (63.9 Ibs)

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



Evaporator Unit

PLATE FIN TYPE

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

Weight : 20 Kg (44Ibs)

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



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	3026	3518	12003	2581	3000	10236
-18	-0.4	1901	2210	7540	-	-	-

* Specifications can be changed without notice in advance

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

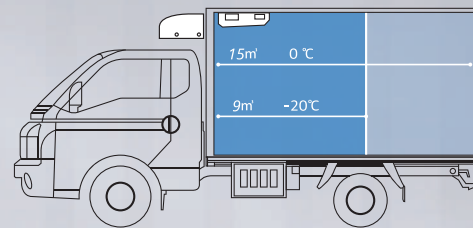
Cylinder : 7 cylinders

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

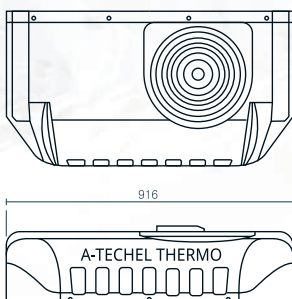
Condenser Case : Frame : GI - steel / Grill: ABS

Evaporator Case : ABS SLIM

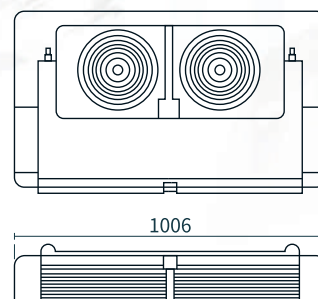


Dimension

(mm)



(mm)



RX - 400

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for small truck in range of
5~7 m³ storage volume.



24.1 Kg

Description

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

Condenser Unit

PLATE FIN TYPE

Two Plastic Axial Fan - diam. 280 mm

Weight : 24.1 Kg (53.1lbs)

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 Fan - diam. 250 mm -1400 m³/h

Weight : 20.0 Kg (44.0lbs)

Overall Size : 1134W x 733D x 208H mm
(39.6W x 23.2D x 7.4H inch)



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	3527	4100	13989	3011	3500	11942
-18	-0.4	1978	2300	7847	-	-	-

* Specifications can be changed without notice in advance

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

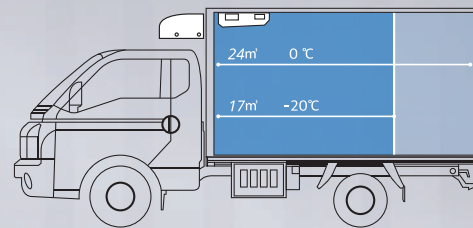
Cylinder : 7 cylinders

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

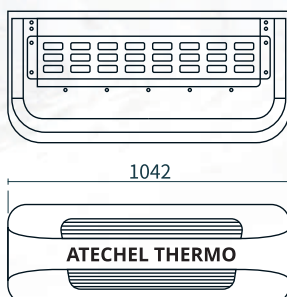
AC standby (option)

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

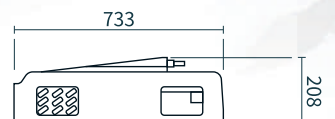
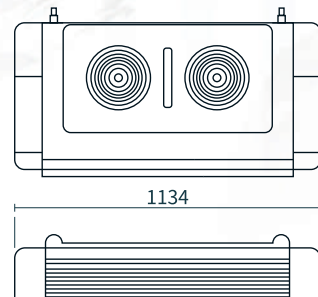


Dimension

(mm)



(mm)



RX - 500

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for medium truck in range of
7~8 m³ storage volume.



32.9 Kg

Description

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

Condenser Unit

PLATE FIN TYPE

Two Axial Fan - diam. 280 mm

Weight : 32.9 Kg (72.5lbs)

Overall Size : 1080W x 510D x 375H mm
(42.5W x 20.0D x 14.8H inch)



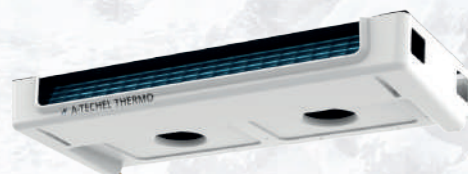
Evaporator Unit

PLATE FIN TYPE

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

Weight : 23.3 Kg (51.3lbs)

Overall Size : 1260W x 593D x 185H mm
(49.6 W x 23.3D x 7.3H inch)



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	3871	4500	15354	3183	3700	12624
-18	-0.4	2202	2560	8735	-	-	-

* Specifications can be changed without notice in advance

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

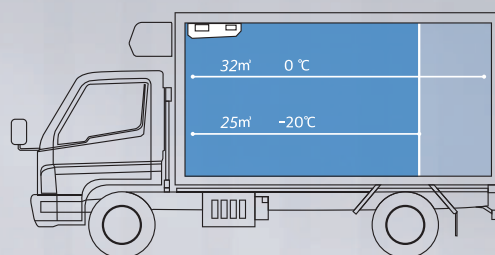
Cylinder : 7 cylinders

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

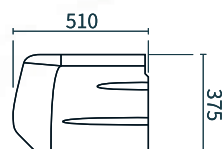
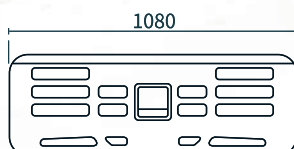
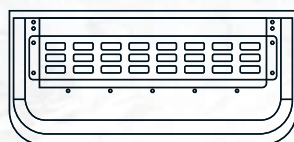
AC standby (option)

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

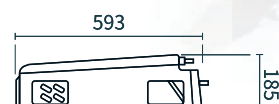
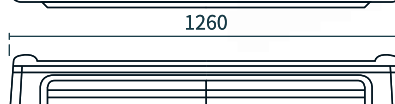
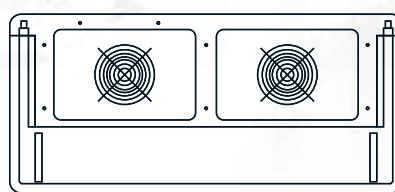


Dimension

(mm)



(mm)



RX - 700

VEHICLE ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for medium truck in range of
15~20 m³ storage volume.



36 Kg

Description

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

Condenser Unit

PLATE FIN TYPE

Three axial fans - diam. 280 mm

Weight : 36 Kg (79.4lbs)

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 - 2100 m³/h

Weight : 27 Kg (59.5lbs)

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



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	4560	5300	18083	-	-	-
-18	-0.4	2667	3100	10577	-	-	-

* Specifications can be changed without notice in advance

Compressor

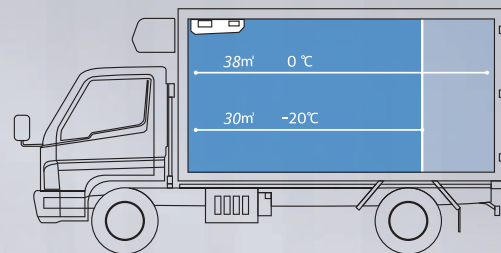
Model : VALEO / TM-21

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

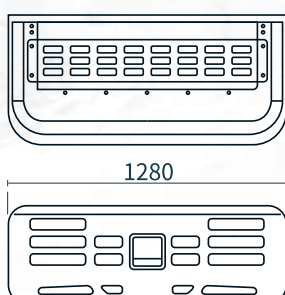
AC standby (option)

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

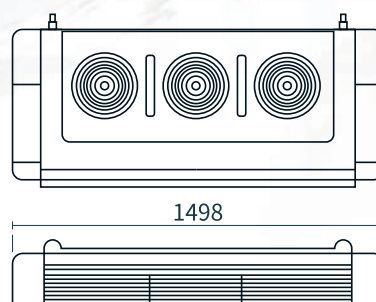


Dimension

(mm)



(mm)



RX - 350

VEHICLE ENGINE DRIVEN REFRIGERATION (TATA DAEWOO OEM PRODUCT)



32.9 Kg

Description

Rooftop mounted refrigerator for vans

Compressor driven by vehicle engine

Separated composition - 2 plastic axial fan condenser and 2 turbo fan evaporator

Condenser Unit

PLATE FIN TYPE

Two plastic axial fan - diam. 280 mm

Weight : 32.9 Kg

Overall Size : 1080W x 510D x 375H mm



Evaporator Unit

PLATE FIN TYPE

Two turbo fan - diam. 230mm - 1650 m/h

Weight : 23.3 Kg

Overall Size : 1260W x 593D x 185Hmm



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	3871	4500	15354	3183	3700	12624
-18	-0.4	2202	2560	8735	-	-	-

* Specifications can be changed without notice in advance

Compressor

Model : VALEO / TM-16

Displacement : 162.9 cc

Cylinder : 6 cylinders

Model : SANDEN / SD-7H15

Displacement : 154 cc

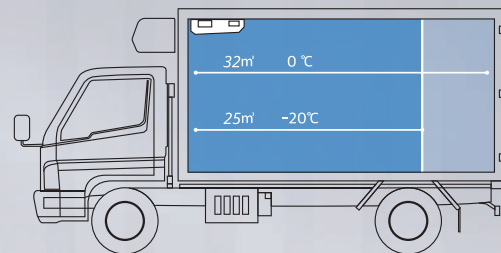
Cylinder : 7 cylinders

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

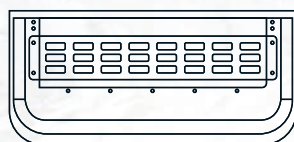
AC standby (option)

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

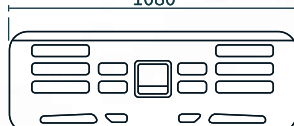


Dimension

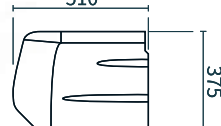
(mm)



1080

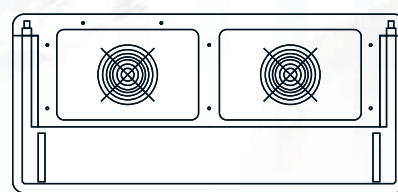


510

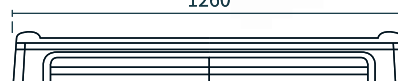


375

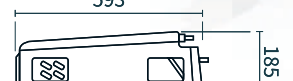
(mm)



1260



593



185

RX - 700 II

VEHICLE ENGINE DRIVEN REFRIGERATION (TATA DAEWOO OEM PRODUCT)

High performance refrigeration unit
for medium truck in range of
15~20 m³ storage volume.



36 Kg

Description

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

Condenser Unit

PLATE FIN TYPE

Three axial fans -diam. 280 mm

Weight : 36Kg (79.4lbs)

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 -2100 m³/h

Weight : 27Kg (59.5lbs)

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



Refrigeration Capacity

Ambient temperature at 30°C/86°F

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	4560	5300	18083	-	-	-
-18	-0.4	2667	3100	10577	-	-	-

* Specifications can be changed without notice in advance

Compressor

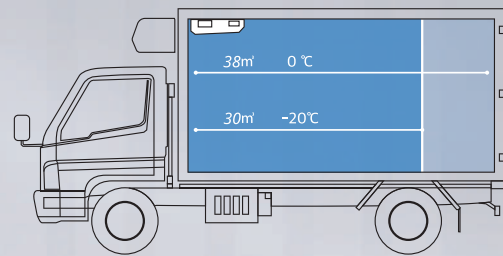
Model : VALEO / TM-21

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

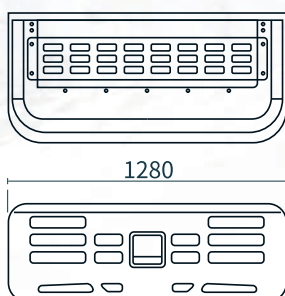
AC standby (option)

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



Dimension

(mm)



(mm)

