

Compressor

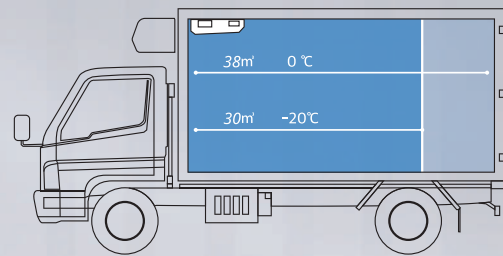
Model : VALEO / TM-21

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

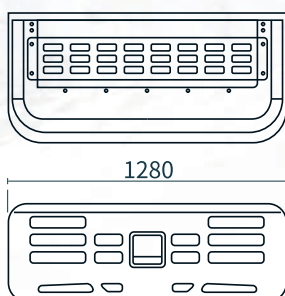
AC standby (option)

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

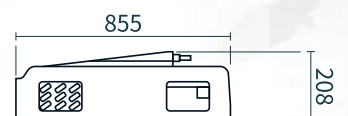
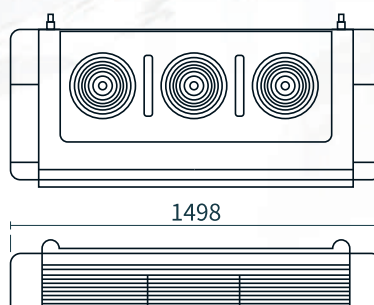


Dimension

(mm)



(mm)



TR - 400S

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for middle size truck in range of
16~21m³ storage volume.

Box length in 4.5 meters.



Description

One of A-TECHEL THERMO's self-powered engine driven units in TR series is refrigerator system with professionally designed and manufactured for fresh and frozen applications on middle size truck.

Condenser

PF type & Fin & Tube type
Fan drive : Driven by engine belt

Refrigerant

HFC R-404a
Chlorine - Zero
Refrigerant charge : 3.6Kg +/- 100 g

Compressor

BOCK FKX30 - 235TK / Germany
- Displacement : 235 cc

Electric standby

3.5Kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

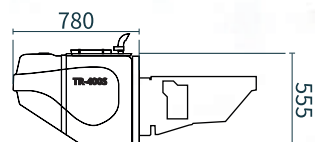
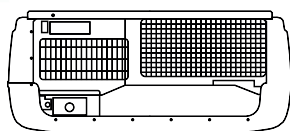
Engine

KUBOTA / D 722 / Japan
Displacement : 719 cc

Evaporator Unit

PLATE FIN TYPE
2 Fans - diam. 280 mm
Air Volume : 2500 m³/h
Designed Air speed : 7 m/s

Dimension



(mm)

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

Refrigeration Capacity

Ambient temperature at 30°C/86°F

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	430 Kg
Watts	5950	3600	4500	2800	
Kcal/h	5119	3097	3871	2409	
BTU/h	20302	12283	15360	9553	

* Specifications can be changed without notice in advance

TR - 600S

DIESEL ENGINE DRIVEN REFRIGERATION

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

Box length in 6.5 meters.



Description

One of A-TECHEL THERMO's self-powered engine driven units in TR series is refrigerator system with professionally designed and manufactured for fresh and frozen applications on middle size truck

Condenser

PF type & Fin & Tube type
Fan drive : Driven by engine belt

Compressor

BITZER-2PFRY-Germany
- Displacement : 305 cc

Engine

Model : KUBOTA / D-1105
Cylinder : 3 cylinders
Weight : 93.0 Kg
Capacity : 1,123 cc

Refrigerant

HFC R-404a
Chlorine - Zero
Refrigerant charge : 3.8 Kg +/- 100 g

Electric standby

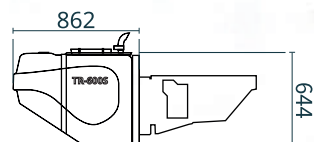
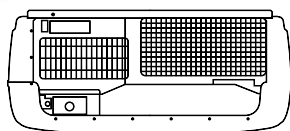
7.5Kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

Dimension

(mm)



All in one - type



Evaporator

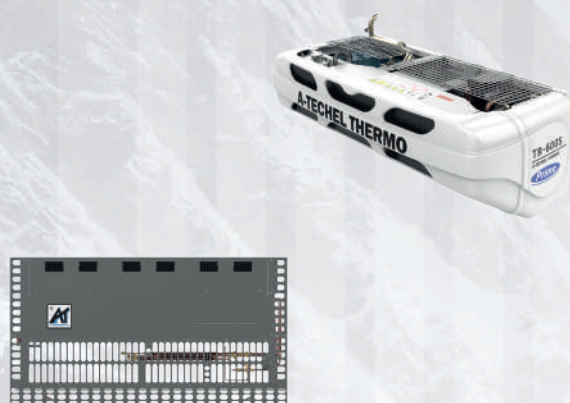
PLATE FIN TYPE

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

Refrigeration Capacity

Ambient temperature at 30°C/86°F

	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

TR - 800S

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for large size truck in range of
29~36m³ storage volume.

Box length in 7.5 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

Refrigerant

Type : R-4040A
Amount : 3.8 Kg

Compressor

Model : BITZER / 2NFRY
Cylinder : 2 cylinders
Displacement : 354 cc

Electric standby

7.5Kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Engine

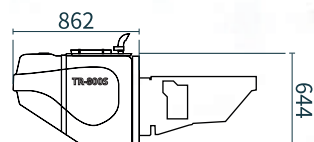
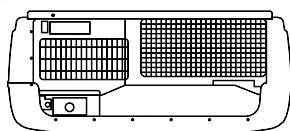
Model : KUBOTA / D-1105
Cylinder : 3 cylinders
Weight : 93.0 Kg
Capacity : 1,123 cc

Defrosting

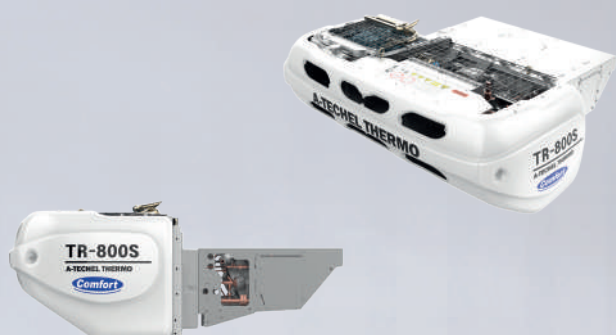
HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

Dimension

(mm)



All in one - type

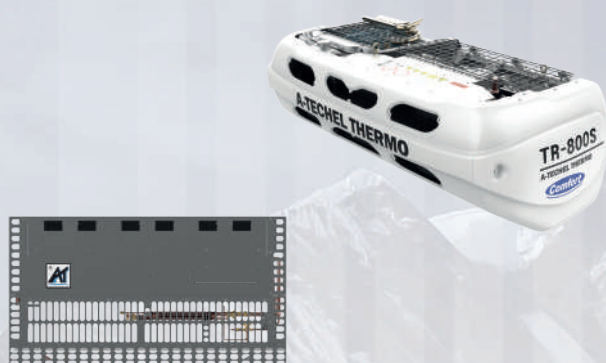


Evaporator

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

Refrigeration Capacity

Ambient temperature at 30°C/86°F

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-18°C	0°C	-18°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

TR - 1000S

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for large size truck in range of
40~45m³ 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 : BITZER / 4TFRY
Cylinder : 4 cylinders
Displacement : 470 cc

Engine

Model : KUBOTA / D-1105
Cylinder : 3 cylinders
Weight : 93.0 Kg
Capacity : 1,103 cc

Refrigerant

Type : R-4040A
Amount : 3.9 Kg

Electric standby

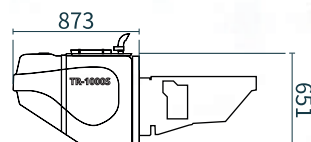
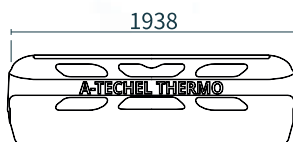
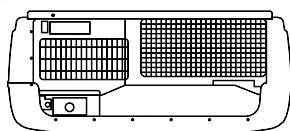
9Kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrosting

HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

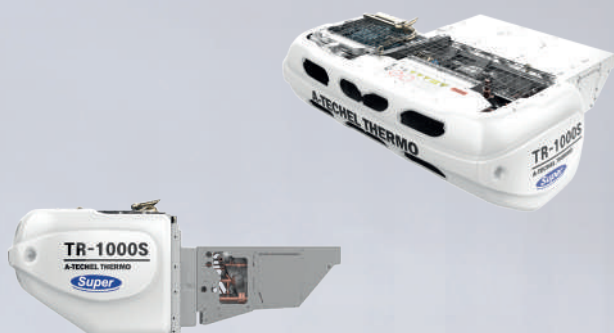
Dimension

(mm)





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

Refrigeration Capacity

Ambient temperature at 30°C/86°F

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 Kg
Watts	9500	6700	7000	5000	
Kcal/h	8173	5764	6022	4302	
BTU/h	32415	22861	23884	17060	

* Specifications can be changed without notice in advance

TR - 1200S

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for large size truck in range of
45~50m³ storage volume.

Box length in 10 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 : BITZER / 4PFRY
Cylinder : 4 cylinders
Displacement : 558 cc

Engine

Model : KUBOTA / D-1105
Cylinder : 3 cylinders
Weight : 93.0 Kg
Capacity : 1,123 cc

Refrigerant

Type : R-4040A
Amount : 4.0 Kg

Electric standby

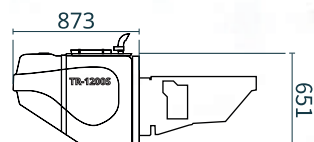
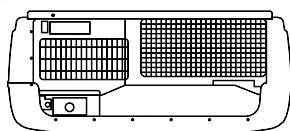
9Kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrosting

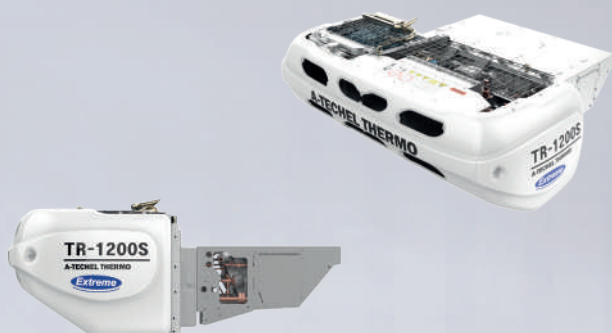
HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

Dimension

(mm)



All in one - type



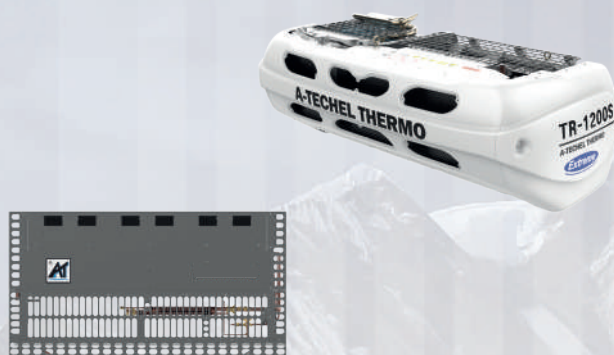
Evaporator

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

Refrigeration Capacity

Ambient temperature at 30°C/86°F

	Engine Driven		Electric Motor Driven(option)		Weight
R404A	0°C	-20°C	0°C	-20°C	560 Kg
Watts	11000	7300	8000	5700	
Kcal/h	9464	6281	6883	4904	
BTU/h	37553	24923	27297	19459	

* Specifications can be changed without notice in advance

TR - 1500S

DIESEL ENGINE DRIVEN REFRIGERATION

High performance refrigeration unit
for large size 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 : 95.0 Kg
Capacity : 1,261 cc

Refrigerant

Type : R-4040A
Amount : 4.2 Kg

Electric standby

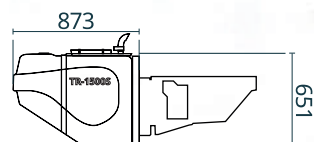
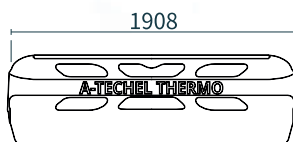
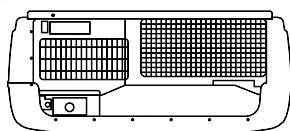
11Kw, High Performance AC Motor
220V / 380V / 415V, 3-Phase, 50 / 60 Hz

Defrosting

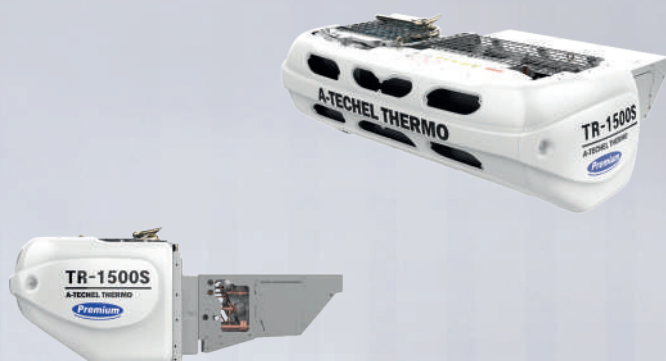
HOT GAS
Electric automatic defrost
/ Manual defrost controlled by controller

Dimension

(mm)



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 3ea

Refrigeration Capacity

Ambient temperature at 30°C/86°F

	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

TRU - 1000S

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

Compressor

Pulley : Magnet clutch
Model : BITZER / 4 TFRY
Cylinder : 4 cylinders
Displacement : 470 cc

Engine

Model : KUBOTA / D-1105
Cylinder : 3 cylinders
Displacement : 1105 cc

Defrosting

Hot gas auto defrost or manual defrost

Heating

1. COOLANT auto control
2. Hot gas operating simultaneously

Refrigerants

Type : R-4040A
Amount : 4.4 Kg +/- 100 g

Operation

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

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 : Wall-type evaporator (1620L x 170W x 820H)

Fan type : DC 12V double blower fan motor x 3ea

TRU - 1200S

DIESEL ENGINE DRIVEN REFRIGERATION

TRU-1200S is a separated diesel engine, driven unit installed at the bottom of the truck.



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

Compressor

Pulley : Magnet clutch
Model : BITZER / 4 PFRY
Cylinder : 4 cylinders
Displacement : 560 cc

Engine

Model : KUBOTA / D-1105
Cylinder : 3 cylinders
RPM : 2,000~2,400 RPM
Displacement : 1105 cc

Defrosting

Hot gas auto defrost or manual defrost

Heating

1. COOLANT auto control
2. Hot gas operating simultaneously

Refrigerants

Type : R-4040A
Amount : 4.4 Kg +/- 100 g

Operation

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

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 : Wall-type evaporator (1665L x 760W x 216H)

Fan type : DC 12V axial fan motor x 3ea

OVERSEAS NETWORK

BEST TECHNOLOGY & BEST PRODUCT



A-TECHEL THERMO

We have a few distributors in China and Saudi Arabia.

However we are now trying to expand our overseas network in Russia, India, and Türkiye etc.

We will try hard to become a leading manufacturer in global market.



OVERSEA'S DISTRIBUTOR INFORMATION

ATTACH YOUR DISTRIBUTOR PAPER HERE

NOTICE

*We confirm that above information is about our official distributor.
Customers are able to make a business with them.*

A-TECHEL THERMO Co., Ltd.



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A-TECHEL THERMO

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