



Your best refrigeration partner on the road



Business Area : Truck refrigeration unit design & manufacture / **Address** : 93, Hwaseong-ro 1616beon-gil, Bibong-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

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THERMAL MASTER

Your best refrigeration partner on the road



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Your best refrigeration partner on the road



ABOUT THERMAL MASTER

Originally founded in 1987

As Dae Kwang Refrigerator, established its name in the field of transport refrigeration and heating. Headquarters based in Republic of Korea. THERMAL MASTER manufactures and designs wide range of transport refrigeration and heating units.

With highly trained and experienced staff, THERMAL MASTER is dedicated to providing superior transport refrigeration and heating products through continuous research and development. Dedication and devotion for innovative, maximum performance products, THERMAL MASTER manufactures a complete range of sophisticated transport refrigeration and heating units that are guaranteed to provide quality transport refrigeration and heating solutions.

HISTORY

1987

Established in 1987

1997

Since 1997, Hyundai Motor Company(HMC) OEM.

2003

In 2003 achieved 'ISO9001' in the field of Truck Refrigeration units designing & manufacturing & doing After sales service fields.

2006 ~ 18

Between 2006 – 2018 having European standards 'C.E.' & A.T.P.

2008 ~ 11

Supplied customized **air conditioner for tactical Ambulance of U.N.**

2013

Thermal master China (Shanghai) is established.

2018

Thermal master Vina (Ho chi minh) is established.

THERMAL MASTER NETWORK

Think globally, act locally

📍 THERMAL MASTERS Korea, China, Vietnam

📍 Distributors in everywhere.

Algeria, Angola, Antigua, Guatemala, Aruba, Australia, Azerbaijan, Bahrain, Belarus, Bangladesh, Chile, Colombia, Commonwealth of Dominica, Congo, Dominican Republic, Costa Rica, Cote d'Ivoire, Ecuador, Ethiopia, Fiji, Gabon, Georgia, Germany, Ghana, Grenada, Guatemala, Hong Kong, India, Indonesia, Iran, Japan, Jordan, Kazakhstan, Kuwait, Malaysia, Morocco, Nicaragua, Pakistan, Papua New Guinea, Peru, Philippines, Poland, Portugal, Qatar, Romania, Rwanda, Saint Lucia, Saudi Arabia, Singapore, Sri Lanka, Sudan, Thailand, Russia, Trinidad and Tobago, Tunisia, United Arab Emirates, United Kingdom, Egypt, Israel, Ukraine, Uzbekistan, Venezuela, and more...



THERMAL MASTER R&D

We build tomorrow



MISSION

Our mission is to provide high quality transport refrigeration and heating units that ensure products such as foods, medicines, etc., maintain freshness throughout its transportation route to its destination.

Another mission of THERMAL MASTER is to create transport refrigeration and heating units that are eco-friendly. THERMAL MASTER units are manufactured in accordance with the Montreal Protocol, Annex B I, II & III.

Fresh, safe products and eco-friendly environment ensures healthier people.



BUSINESS AREA

Truck Refrigeration units designing & manufacturing

STRENGTHS OF THERMAL MASTER

1. Reliable manufacturing facilities.

- Full capacity: up to 25,000 units/year
- Average capacity: 13,000~14,000 units / year

2. Strong R&D Center

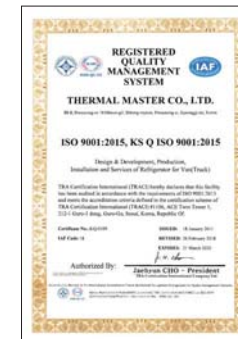
- In-house chambers (indoor & our door) :Test results produced in our chamber has less than 5% tolerance to international certification authority (ATP regulation)
- 3D scanner & 3D printer

3. Long experience & well-trained staff (Autos & Refrigeration engineering skills)

- Fast & quick actions to satisfy demanding from markets : Being good at Customizing services



EC-Attestation



ISO9001 Certificate



E4 Certificate



ATP Approved



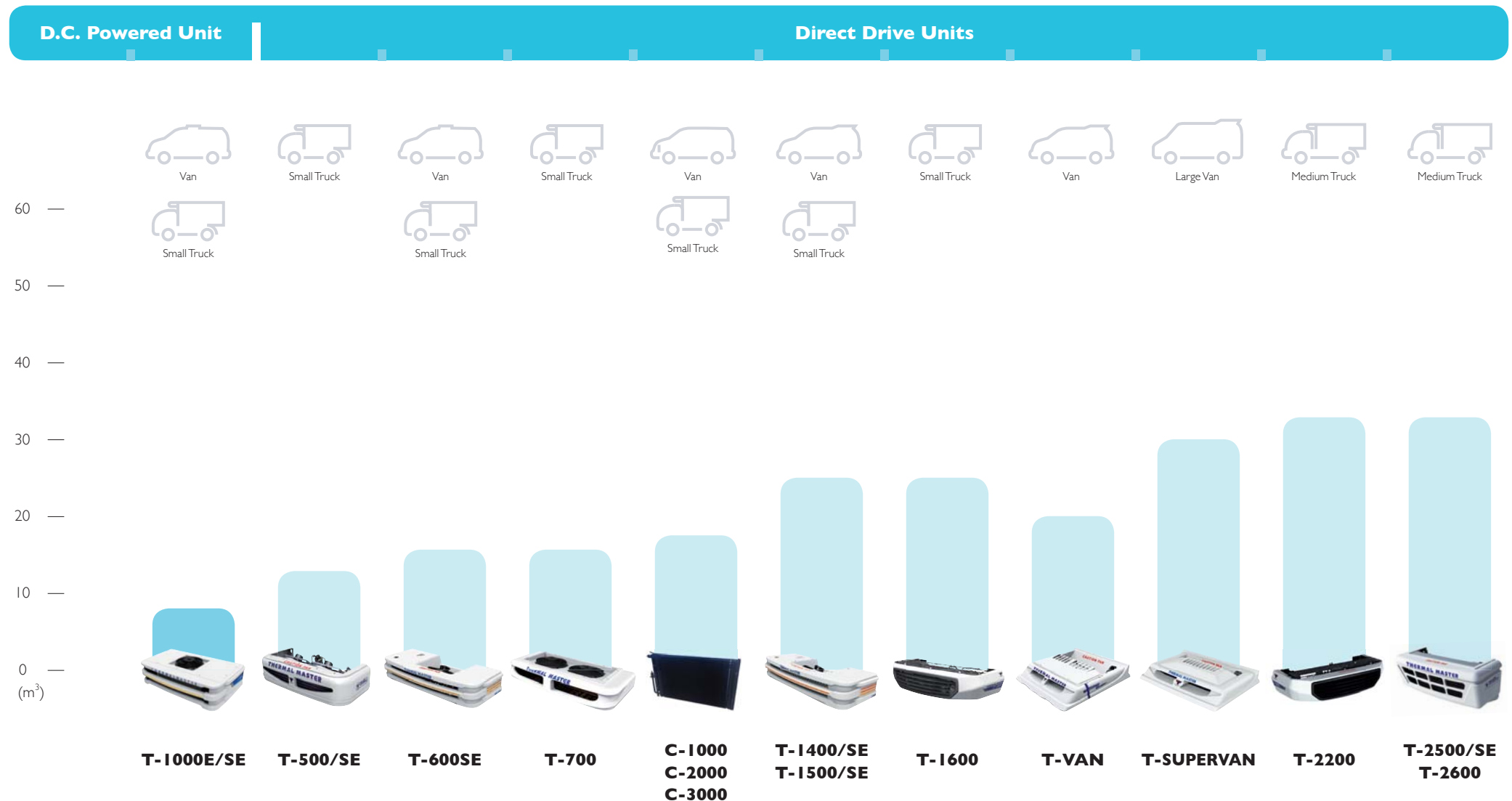
Approved exporter 1



Approved exporter 2

Selection Guide

SE :With built in standby
H :With built in heater
SEH :With built in standby and heater
E :Electric
MT :Multi-temperature



Ambient : 30 °C / 40 °C											
0 °C	8.8m³/5.6m³	12m³/6m³	14.4m³/8.8m³	14.4m³/8.8m³	18m³/11m³	24m³/15m³	25m³/16m³	20m³/13m³	30m³/19m³	32m³/23m³	32m³/23m³
-20 °C	-	7m³/4m³	8.8m³/5.6m³	8.8m³/5.6m³	11m³/7m³	18m³/13m³	19m³/14m³	15m³/11m³	23m³/17m³	25m³/19m³	25m³/19m³

Selection Guide

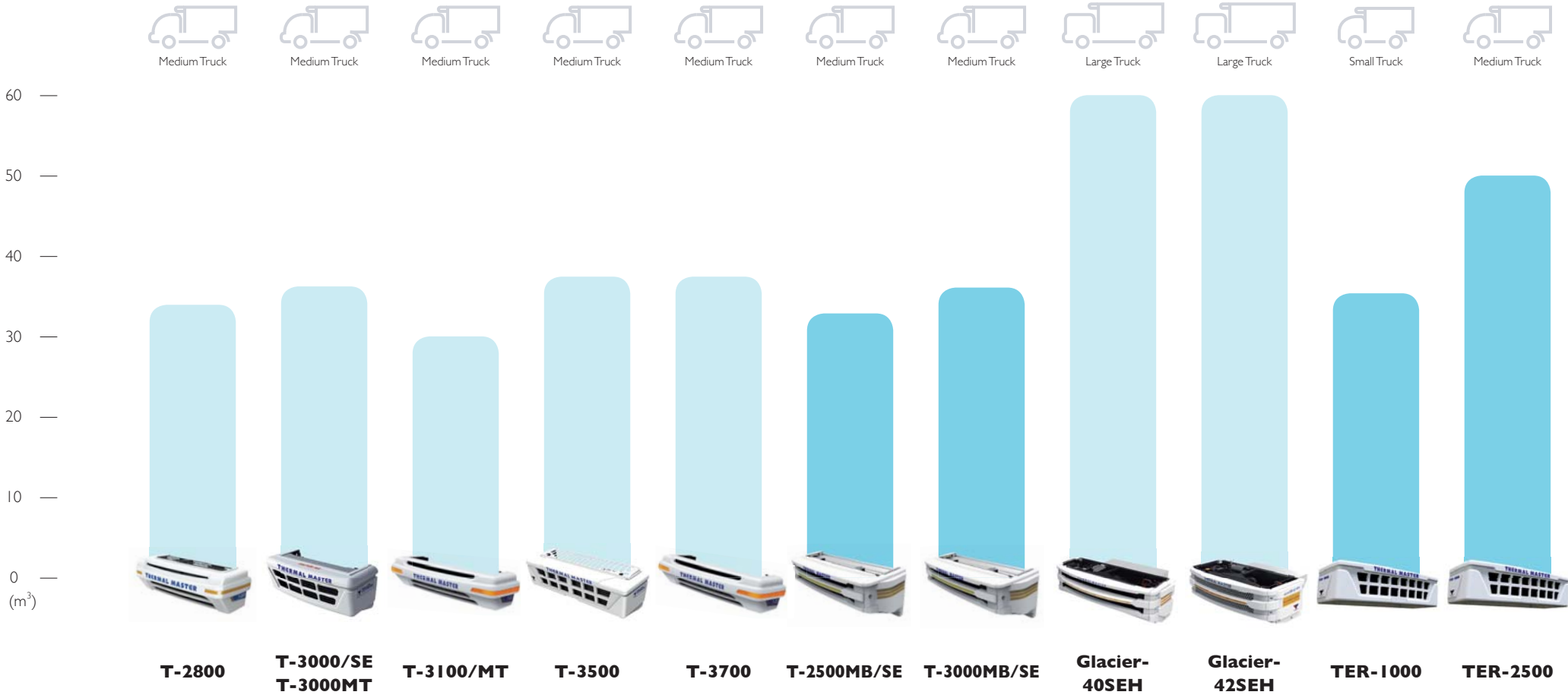
SE :With built in standby
H :With built in heater
SEH :With built in standby and heater
E :Electric
MT :Multi-temperature

Direct Drive Units

Mono Block Units

Diesel Powered Units

Eutectic Refrigeration Systems



Ambient : 30 °C / 40 °C											
0 °C	34m³/25m³	36m³/27m³	30m³/27m³	38m³/29m³	38m³/29m³	32m³/23m³	36m³/27m³	60m³/44m³	60m³/44m³	L: 3.5m ↓	L: 4.5m ↓
-20 °C	27m³/21m³	29m³/23m³	29m³/23m³	31m³/25m³	31m³/25m³	25m³/19m³	29m³/23m³	50m³/39m³	50m³/39m³		

T-1000E/SE (Built in standby is optional)

DC powered unit (All Electrical)



Condenser



W: 960 / L: 549 / H: 275(mm)
Weight: 43kg
Weight with optional stand by: **53kg**

Evaporator



W: 724 / L: 563 / H: 185(mm)
Weight: 11.8kg



T-1000E Refrigeration capacity at 30°C ambient

Road operation	Road mode	Stand by mode
Refrigerant	R-134A	R-134A
0°C	1,108W	1,112W
-5°C	928W	939W
Evaporator airflow	721m ³ /h	721m ³ /h

Defrost: Automatic hot gas defrost

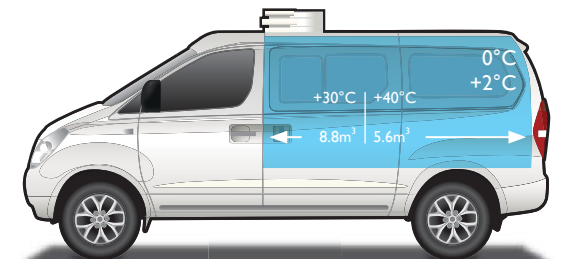
Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: Samsung scroll compressor.

Box volume

■ 0 ~ +2°C
* Ambient 30°C



T-500/R/SE/H

T-500/T-500R/T-500SE are truck engine powered units for small trucks and various vans.
(Slim-size / Super cooling / Simple Unit, High cooling performance, Ease of use)



Condenser

T-500/H

Standard nose-mounting condenser



W: 905 / L: 405 / H: 310(mm)
Weight: 21kg

T-500R

Roof mounting condenser



W: 940 / L: 825 / H: 182(mm)
Weight: 32.5kg

T-500SE

Stand by unit built-in condenser



W: 1,150 / L: 500 / H: 275(mm)
Weight: 98kg



Evaporator



W: 724 / L: 563 / H: 185(mm)
Weight: 11.8kg

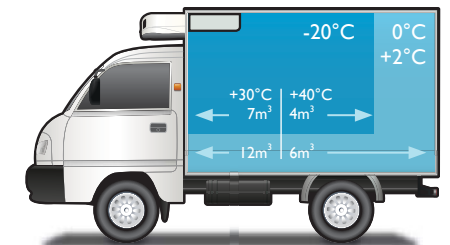
T-500 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode			Stand by mode		
Refrigerant	R134A	R404A	R452A	R134A	R404A	R452A
0°C	1,100W	1,000W	900W	1,000W	900W	850W
-20°C	-	650W	600W	-	630W	590W
Evaporator airflow	721m ³ /h	721m ³ /h	-	-	-	-

Defrost: Automatic hot gas defrost

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: TM13(displacement: 131cc / 6 cylinders)

T-600SE (With built-in standby)



ATP Approved



Condenser

Standard nose-mounting condenser / Roof mounting condenser / Stand by unit built-in condenser

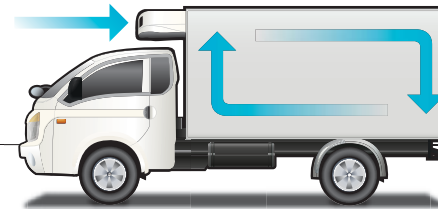


W: 1,180 / L: 512 / H: 276(mm)
Weight: 63kg

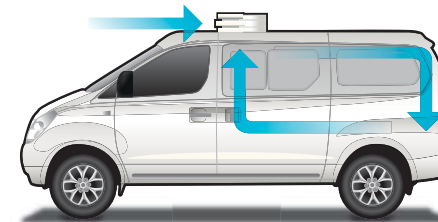
Evaporator



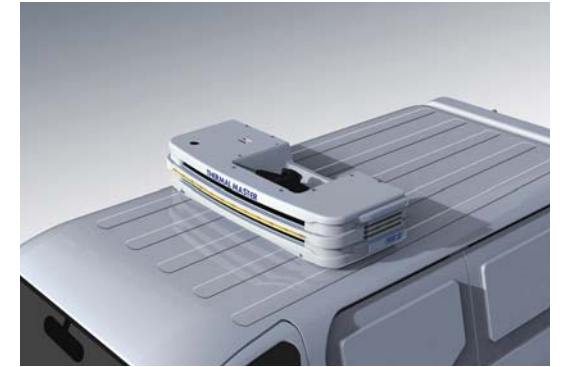
W: 724 / L: 563 / H: 185(mm)
Weight: 11.8kg



Nose-mounting



Roof mounting



T-600SE Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		Stand by mode	
	R404A	R452A	R404A	R452A
0°C	1,986W	1,787W	1,110W	999W
-20°C	1,092W	983W	793W	714W
Evaporator airflow	721m ³ /h	-	721m ³ /h	-

Defrost: Automatic hot gas defrost

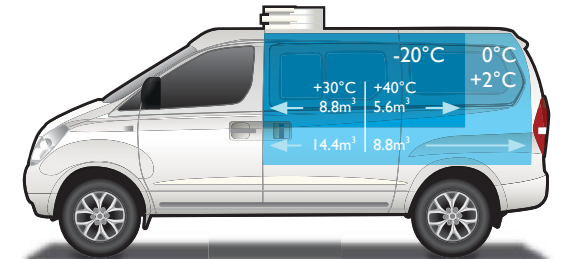
Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: QP15 / TM15(displacement: 146cc / 6 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-700

Ultra slim size / Super cooling / Simple Unit
 “Slim but Strong refrigeration units”



Condenser

Ultra slim size



W: 1,035 / L: 450 / H: 193(mm)
 Weight: 15kg

•T-700 is a truck engine powered unit, it is designed for small-sized Japanese trucks:
 Daihatsu Hijet / Subaru Sambar / Nissan Clipper / Mitsubishi minicab
 Mazda Scram / Suzuki Carry / Mazda Bongo / Nisaan Atlas F24 etc.,



Evaporator



W: 724 / L: 563 / H: 185(mm)
 Weight: 11.8kg



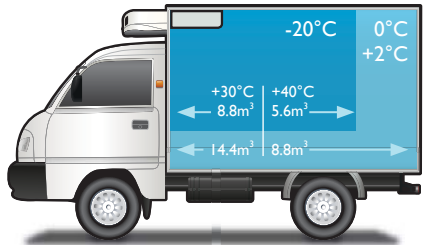
T-700 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode
Refrigerant	R134A
0°C	2,100W
-20°C	-
Evaporator airflow	721m ³ /h
Defrost: Automatic hot gas defrost	

Controller: Micro process control (Easy & error-free operation)
 Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time
Compressor: TM13(displacement: 131cc / 6 cylinders)

Box volume

■ -20°C
 ■ 0 ~ +2°C
 * Ambient 30°C



C-1000 / 2000 / 3000 (Hidden type condenser)



Condenser (Placed in engine compartment)

C-1000



W: 508 / L: 92.5 / H: 318(mm)
Weight: 4.1 kg

C-2000



W: 719 / L: 121.5 / H: 405(mm)
Weight: 7.8 kg

C-3000



W: 750 / L: 60 / H: 485(mm)
Weight: 3.3 kg

Evaporator

Evaporator 1 (C-1000)



W: 724 / L: 563 / H: 187(mm)
Weight: 11.8 kg

Evaporator 2 (C-2000 / C-3000)



W: 1,026 / L: 650 / H: 187(mm)
Weight: 17 kg

C-1000/2000/3000 Refrigeration Capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road Operation	Road mode (C-1000)	Road mode (C-2000)		Road mode (C-3000)
Refrigerant	R134A	R134A	R404A	R134A
0°C	2,050W	2,750W	2,850W	2,650W
-20°C	-	-	1,450W	-
Evaporator Airflow	12V / 721m ³ /h	12V / 1,260m ³ /h,		12V / 1,260m ³ /h,

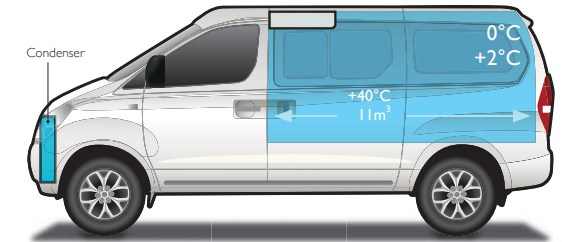
Defrost : Automatic hot gas defrost

Controller : Micro process control (Easy & error-free operation)

Compressor : TM08 / TM13 / TM15

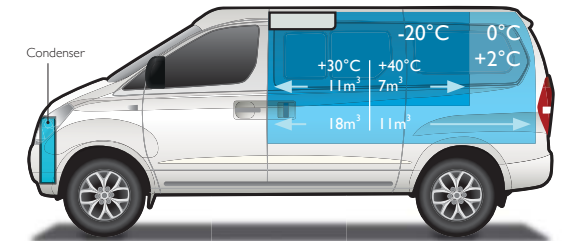
Box volume (C-1000)

■ 0 ~ +2°C
* Ambient 30°C



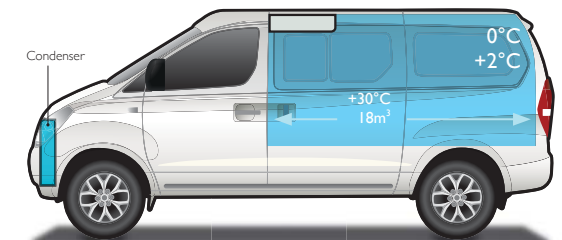
Box volume (C-2000)

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



Box volume (C-3000)

■ 0 ~ +2°C
* Ambient 40°C



T-I400/R/SE/H/U

T-I400 / T-I400H / T-I400R / T-I400SE / T-I400U are truck engine powered units for small & medium trucks and various vans.



Condenser

T-I400/H

Standard nose-mounting condenser



W: 1,010 / L: 505 / H: 355(mm)
Weight: 22kg

T-I400R

Roof mounting condenser



W: 825 / L: 940 / H: 825(mm)
Weight: 23kg

T-I400SE

Stand by unit built-in condenser



W: 1,180 / L: 512 / H: 276(mm)
Weight: 99.3kg

T-I400U

Stand by unit built-in condenser



W: 805 / L: 290 / H: 275(mm)
Weight: 15kg



Evaporator



W: 1,026 / L: 650 / H: 185(mm)
Weight: 21kg

Recessed evaporator (Placed in the front wall)



W: 1,075 / L: 545 / H: 185(mm)
Weight: 23.4kg

T-I400 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		
Refrigerant	R134A	R404A	R452A
0°C	2,965W	2,800W	2,520W
-20°C	-	1,600W	1,440W
Evaporator airflow	12V / 1,260m ³ /h	24V / 1,347m ³ /h	-

Defrost: Automatic hot gas defrost

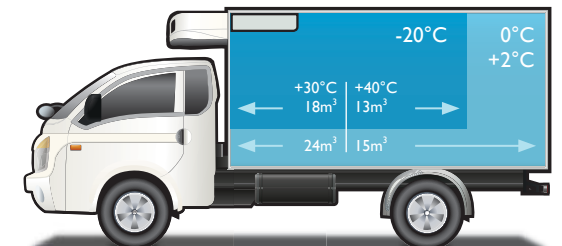
Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: TM15(displacement: 146cc / 6 cylinders or QP15)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-I 500/SE (With built-in standby)



ATP Approved



Condenser

T-I 500

Standard nose / roof-mounting condenser



W: 1,038 / L: 524 / H: 235(mm)
Weight: 25kg

T-I 500SE

Stand by unit built-in condenser

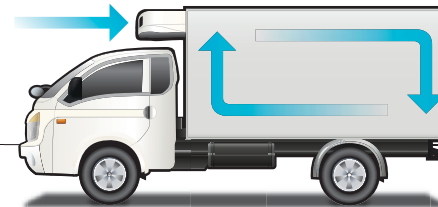


W: 1,180 / L: 512 / H: 276(mm)
Weight: 63kg

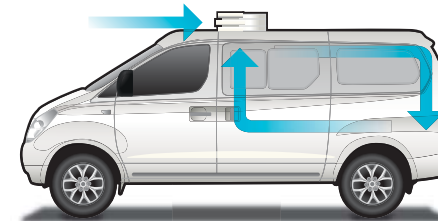
Evaporator



W: 1,026 / L: 650 / H: 187(mm)
Weight: 21kg



Nose-mounting



Roof mounting



T-I 500 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		Stand by mode	
Refrigerant	R-404A	R-452A	R-404A	R-452A
0°C	2,966W	2,669W	1,600W	1,440W
-20°C	1,813W	1,632W	890W	801W
Evaporator airflow	12V / 1,260m ³ /h	12V / 1,260m ³ /h	24V / 1,347m ³ /h	24V / 1,347m ³ /h

Defrost: Automatic hot gas defrost

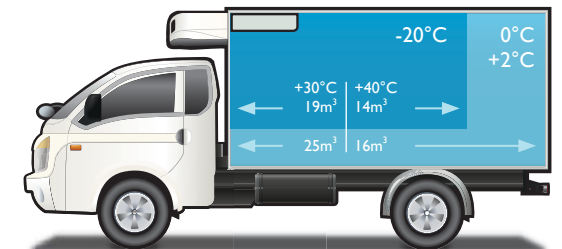
Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: TM15(displacement: 146cc / 6 cylinders or QP15)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-1600

Condenser



W: 1,195 / L: 570 / H: 245(mm)
Weight: 29kg

Evaporator



W: 1,026 / L: 650 / H: 187(mm)
Weight: 21kg

T-1600 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

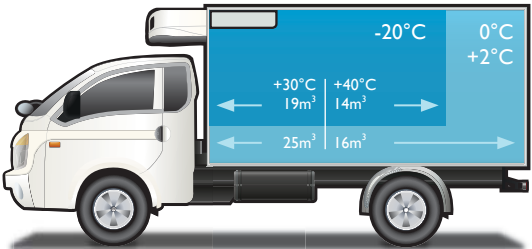
Road operation	Road mode	Stand by mode
Refrigerant	R404A	-
0°C	3,503.7W	-
-20°C	1,879.7W	-
Evaporator airflow	12V / 1,260m ³ /h, 24V / 1,347m ³ /h	-
Defrost: Automatic hot gas defrost		

Controller: Micro process control (Easy & error-free operation)
Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time
Compressor: TM115(displacement: 146cc / 6 cylinders)



Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-VAN

The unit is designed for vans.

Condenser

Only roof mount



W: 1,230 / L: 1,130 / H: 280(mm)
Weight: 32kg

Evaporator



W: 864 / L: 576 / H: 159(mm)
Weight: 32.3kg



T-VAN Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		
Refrigerant	R134A	R404A	R452A
0°C	2,965W	3,330W	2,997W
-20°C	-	1,840W	1,656W
Evaporator airflow	12V / 1,260m ³ /h	24V / 1,347m ³ /h	-

Defrost: Automatic hot gas defrost

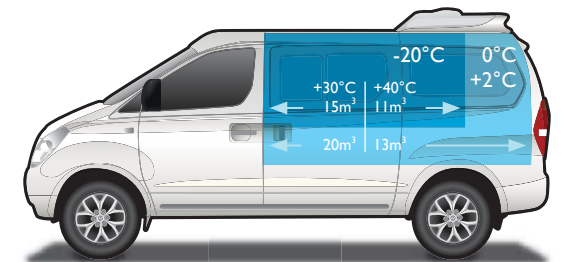
Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: TM15(displacement: 146cc / 6 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-SUPER VAN

The unit is truck engine powered units for full size vans like Sprinter, Crafter, Iveco Daily, H350 etc.,



Condenser

Only roof mount



W: 1,435 / L: 1,130 / H: 230(mm)
Weight: 35kg

Evaporator



W: 1,225 / L: 700 / H: 187(mm)
Weight: 23.5kg



T-SUPER VAN Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		
Refrigerant	R134A	R404A	R452A
0°C	3,315W	4,430W	3,987W
-20°C	-	2,335W	2,102W
Evaporator airflow	12V / 1,325m ³ /h	24V / 1,551m ³ /h	-
Defrost: Automatic hot gas defrost			

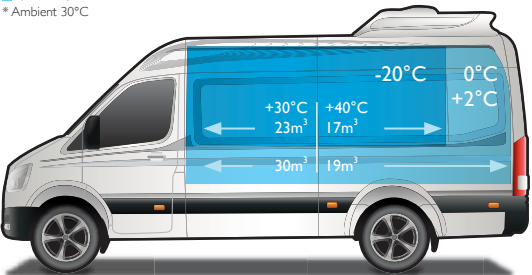
Controller: Micro process control (Easy & error-free operation)

Durable and reliable / User friendly / Manual & automatic defrost / Hour meters to record operation time

Compressor: TM16(displacement: 163cc / 6 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-2200

Condenser



W: 1,195 / L: 570 / H: 245(mm)
Weight: 34kg

Evaporator



W: 1,276 / L: 670 / H: 190(mm)
Weight: 30kg

T-2200 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

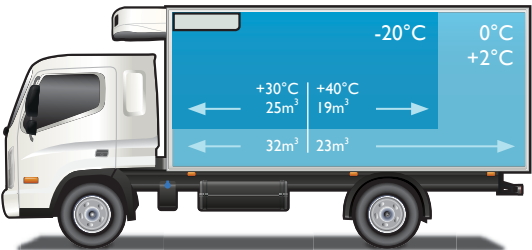
Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	3,700W	3,300W
-20°C	2,200W	1,980W
Evaporator airflow	12V / 1,325m³/h, 24V / 1,551m³/h	-
Defrost: Automatic hot gas defrost		

Controller: Micro process control (Easy & error-free operation)
Compressor: TM16(displacement: 163cc / 6 cylinders or QPI6)



Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-2500/SE/H/U

T-2500 / T-2500SE is a truck engine powered unit for medium size trucks.



Condenser

T-2500/H



W: 1,015 / L: 450 / H: 410(mm)
Weight: 27.5kg

T-2500SE

Stand by unit built-in condenser



W: 1,270 / L: 500 / H: 350(mm)
Weight: 111kg

T-2500U



W: 998 / L: 360 / H: 320(mm)
Weight: 28kg



Evaporator



W: 1,235 / L: 700 / H: 150(mm)
Weight: 23.5kg

Recessed



W: 1,465 / L: 570 / H: 150(mm)
Weight: 32kg



T-2500 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

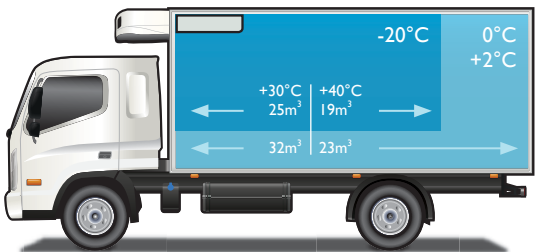
Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	4,430W	3,987W
-20°C	2,335W	2,102W
Evaporator airflow	12V / 1,325m³/h, 24V / 1,551m³/h	
Defrost: Automatic hot gas defrost		

Controller : Micro process control (Easy & error-free operation)

Compressor : TM16(displacement: 163cc / 6 cylinders or QP16)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-2600

Condenser

T-2600

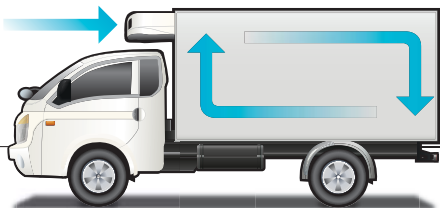


W: 1,026 / L: 544 / H: 275(mm)
Weight: 28kg

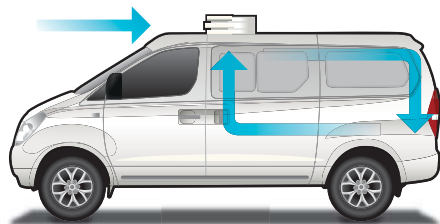
Evaporator



W: 1,225 / L: 700 / H: 187(mm)
Weight: 23.5kg



Nose-mounting



Roof mounting

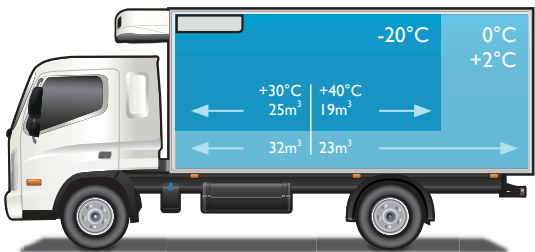


T-2600 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	
Refrigerant	R-404A	R-452A
0°C	3,859W	3,474W
-20°C	2,341W	2,107W
Evaporator airflow	12V / 1,435m³/h, 24V / 1,487m³/h	
Defrost: Automatic hot gas defrost		

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



Controller: Micro process control (Easy & error-free operation)

Compressor: TM16(displacement: 163cc / 6 cylinders)

T-2800

Condenser



W: 1,200 / L: 518 / H: 392(mm)
Weight: 36kg

Evaporator



W: 1,276 / L: 670 / H: 190(mm)
Weight: 30kg

T-2800 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	Stand by mode
Refrigerant	R404A	-
0°C	4,436.5W	-
-20°C	2,253.7W	-
Evaporator airflow	12V / 1,325m³/h, 24V / 1,551m³/h	-
Defrost: Automatic hot gas defrost		

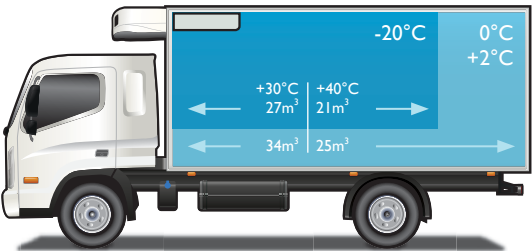
Controller: Micro process control (Easy & error-free operation)

Compressor: TM21 (displacement: 213cc / 6 cylinders)



Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-3000/SE/H/U

T-3000 is refrigeration units for medium & large size trucks.



Condenser

T-3000/H



W: 1,020 / L: 470 / H: 450(mm)
Weight: 31.5kg

T-3000SE

Stand by unit built-in condenser



W: 1,270 / L: 500 / H: 350(mm)
Weight: 103kg

T-3000U

Under mount condenser



W: 1,017 / L: 320 / H: 370(mm)
Weight: 33.8kg



Evaporator



W: 1,355 / L: 700 / H: 187(mm)
Weight: 30kg

Recessed evaporator (Placed in the front wall)



W: 1,465 / L: 575 / H: 145(mm)
Weight: 33kg

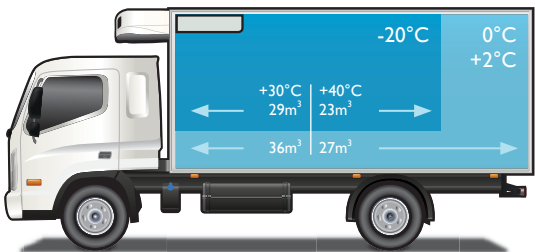


T-3000 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	4,650W	4,185W
-20°C	2,450W	2,205W
Evaporator airflow	12V / 1,875m³/h, 24V / 2,147m³/h	
Defrost: Automatic hot gas defrost		

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



Controller: Micro process control (Easy & error-free operation)

Compressor: TM21 (displacement: 215cc / 10 cylinders)

T-3 I 00

Condenser

T-3 I 00

Standard nose-mounting condenser



W: 1,337 / L: 562 / H: 400(mm)
Weight: 42kg

Evaporator



W: 1,469 / L: 670 / H: 193(mm)
Weight: 31kg

T-3 I 00 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	Stand by mode
Refrigerant	R404A	-
0°C	5,369.8W	-
-20°C	2,877.9W	-
Evaporator airflow	12V / 1,875m³/h, 24V / 2,147m³/h	-
Defrost: Automatic hot gas defrost		

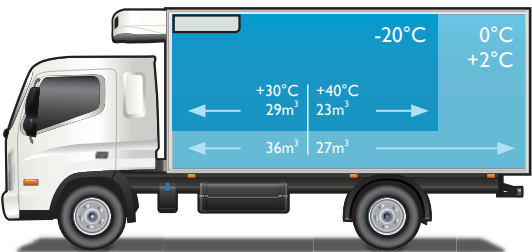
Controller: Micro process control (Easy & error-free operation)

Compressor: TM21 (displacement: 215cc / 10 cylinders)



Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-3500/H/U

T-3500 is 2 pieces split units designed for fresh, frozen and deep frozen applications on trucks.



Condenser

T-3500/H



W: 1,015 / L: 450 / H: 450(mm)
Weight: 45kg

T-3500U



W: 1,440 / L: 390 / H: 395(mm)
Weight: 41kg



Evaporator



W: 1,652 / L: 617 / H: 187(mm)
Weight: 35kg

Recessed evaporator (Placed in the front wall)



W: 1,615 / L: 570 / H: 145(mm)
Weight: 38kg



T-3500 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

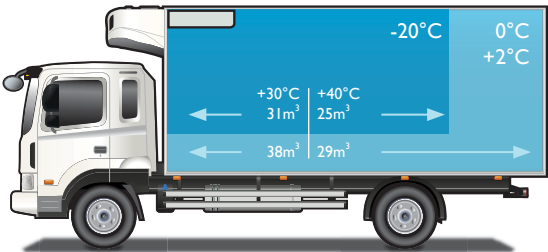
Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	4,750W	4,275W
-20°C	2,550W	2,295W
Evaporator airflow	2,704m ³ /h	-
Defrost: Automatic hot gas defrost		

Controller: Micro process control (Easy & error-free operation)

Compressor: TM31 (displacement: 313cc / 10 cylinders) or TM21 (displacement: 215cc / 10 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-3700



Condenser



W: 1,643 / L: 583 / H: 393(mm)
Weight: 44kg

Evaporator



W: 1,469 / L: 670 / H: 193(mm)
Weight: 31kg



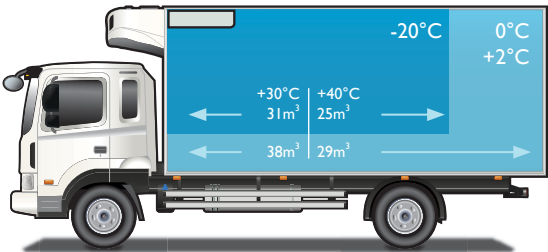
T-3700 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	6,143W	5,529W
-20°C	3,268W	2,941W
Evaporator airflow	2,704m ³ /h	-
Defrost: Automatic hot gas defrost		

Controller: Micro process control (Easy & error-free operation)
Compressor: TM21 (displacement: 215cc / 10 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-2500MB/SE (Built-in standby unit optional)

T-2500MB composed of piece unit designed for fresh, frozen, deep frozen applications on medium size trucks.



Condenser



W: 1,800 / L: 700 / H: 625(mm)
2500MB VWeight: 120kg, 2500MB/SE Weight: 160kg

Evaporator



W: 1,420 / L: 76.5 / H: 487(mm)



T-2500MB Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

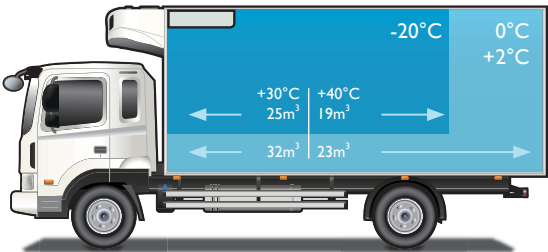
Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	4,430W	3,987W
-20°C	2,335W	2,102W
Evaporator airflow	12V / 1,875m³/h, 24V / 2,147m³/h	
Defrost: Automatic hot gas defrost		

Controller: Micro process control (Easy & error-free operation)

Compressor: TM16(displacement: 163cc / 6 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-3000MB/SE (Built-in standby unit optional)

T-3000MB composed of 1 piece unit designed for fresh, frozen, deep frozen applications on medium-large size trucks.



Condenser



W: 1,800 / L: 700 / H: 625(mm)
3000MB VWeight: 128kg, 3000MB/SE Weight: 186kg

Evaporator



W: 1,420 / L: 765 / H: 487(mm)



T-3000MB Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

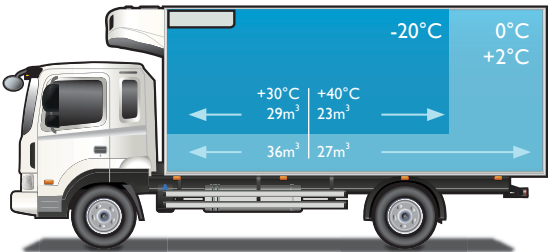
Road operation	Road mode	
Refrigerant	R404A	R404A
0°C	4,925W	4,433W
-20°C	2,515W	2,024W
Evaporator airflow	12V / 1,875m³/h, 24V / 2,147m³/h	
Defrost: Automatic hot gas defrost		

Controller: Micro process control (Easy & error-free operation)

Compressor: TM21 (displacement: 215cc / 10 cylinders)

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



T-3000MT

We are finding a rise in the number of goods requiring various temperature settings that need to be loaded in one truck.



Condenser



W: 1,643 / L: 583 / H: 393(mm)
Weight: 31.5kg

Evaporator

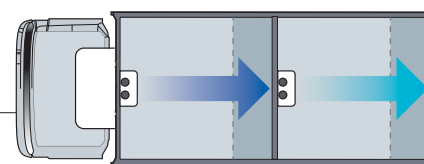
Evaporator 1: T-2500EVA

Evaporator 2: T-2500EVA



W: 1,225 / L: 700 / H: 187(mm)
Weight: 21.5kg

W: 1,225 / L: 700 / H: 187(mm)
Weight: 18.9kg



→ Evaporator 1

→ Evaporator 2

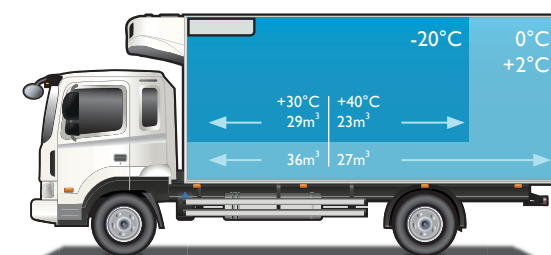


T-3000MT Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	2,700W / 2,700W	2,500W / 2,500W
-20°C	1,600W / 1,600W	1,500W / 1,500W
Evaporator 1 airflow / Evaporator 2 airflow	12V / 1,260m³/h, 24V / 1,347m³/h	-
Defrost: Automatic hot gas defrost		

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



Controller: Micro process control (Easy & error-free operation)

Compressor: TM21 (displacement: 215cc / 10 cylinders)

T-3 I00MT

We are finding a rise in the number of goods requiring various temperature settings that need to be loaded in one truck.



Condenser



W: 1,337 / L: 562 / H: 400(mm)
Weight: 42kg

Evaporator

Evaporator 1

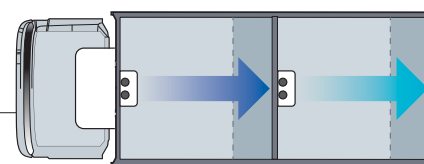


W: 1,026 / L: 650 / H: 187(mm)
Weight: 21kg

Evaporator 2



W: 1,026 / L: 650 / H: 187(mm)
Weight: 21kg



→ Evaporator 1

→ Evaporator 2

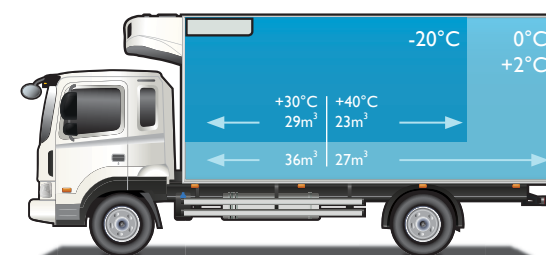


T-3 I00MT Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode	
Refrigerant	R404A	R452A
0°C	2,800W / 2,800W	2,600W / 2,600W
-20°C	1,700W / 1,700W	1,600W / 1,600W
Evaporator 1 airflow / Evaporator 2 airflow	12V / 1,260m³/h, 24V / 1,347m³/h	12V / 1,260m³/h, 24V / 1,347m³/h
Defrost: Automatic hot gas defrost		

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



Controller : Micro process control (Easy & error-free operation)

Compressor : TM21(displacement: 215cc / 10 cylinders)

GLACIER-40SEH



ATP Approved



Condenser



W: 2,051 / L: 812 / H: 637(mm)
Weight: 515kg

Evaporator



W: 1,026 / L: 572 / H: 345(mm)



GLACIER-40 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		Stand by mode	
	R404A	R452A	R404A	R452A
Refrigerant				
0°C	9,440W	8,588W	6,416W	5,833W
-20°C	4,871W	4,386W	3,128W	2,844W
Evaporator airflow	3,218m ³ /h	-	3,162m ³ /h	-

Defrost: Automatic hot gas defrost

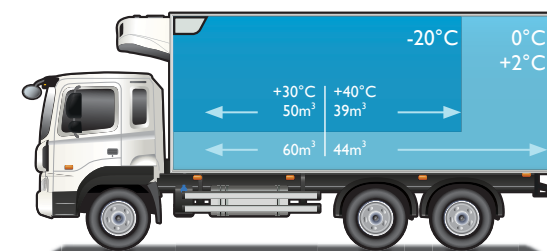
Controller: Micro process control (Easy & error-free operation)

Compressor: Bitzer - 2TFRY

Engine: Kubota

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



GLACIER-42SEH

Condenser



W: 1,930 / L: 930 / H: 618(mm)
Weight: 530kg

Evaporator



W: 1,221 / L: 570 / H: 345(mm)



ATP Approved



GLACIER-42 Refrigeration capacity at 30°C ambient/2400RPM (Return air to evaporator)

Road operation	Road mode		Stand by mode	
	R404A	R452A	R404A	R452A
0°C	8,139W	7,325W	5,674W	5,107W
-20°C	4,429W	3,986W	3,667W	3,300W
Evaporator airflow	3,416m ³ /h	-	3,289m ³ /h	-

Defrost: Automatic hot gas defrost

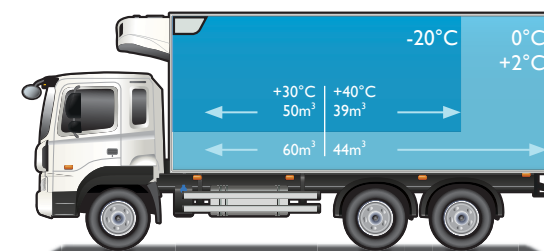
Controller: Micro process control (Easy & error-free operation)

Compressor: UNF - 330

Engine: Dae dong

Box volume

■ -20°C
■ 0 ~ +2°C
* Ambient 30°C



TER-1000 / 2500



Condensing unit

TER-1000



W: 1,590 / L: 588 / H: 432(mm)
Weight: 136kg

TER-2500



W: 1,590 / L: 588 / H: 432(mm)
Weight: 151kg



Eutectic plate

Eutectic plate 1 (TER-1000)



W: 1,190 / L: 485 / H: 54(mm)
Weight: 43kg

Eutectic plate 2 (TER-2500)



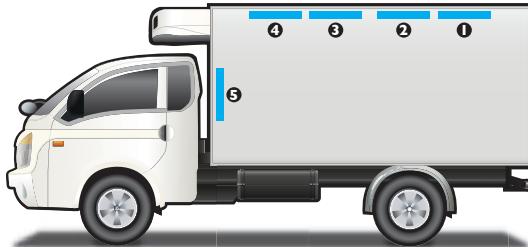
W: 1,292 / L: 690 / H: 45(mm)
Weight: 61kg



Standard models & Installation numbers of Eutectic plate

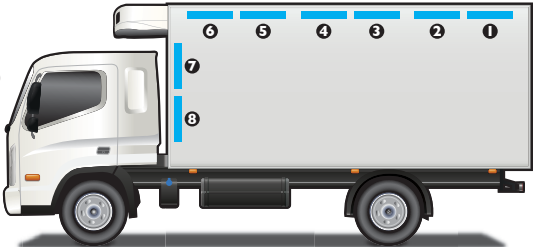
TER – 1000 (1ton)

- Eutectic plates: 4~5 plates
1,275mm x 560mm x 51.2mm
(L x W x H) ④~⑤
- Internal size of refrigerated van body (1ton)
2,960mm x 1,545mm x 2,960mm
(L x W x H)
- Thickness of panel: 100mm ~ 120mm



TER – 2500 (2.5ton)

- Eutectic plates : 7~8 plates
1,600mm x 685mm x 51.2mm
(L x W x H) ⑦~⑧
- Internal size of refrigerated van body (2.5ton)
4,160mm x 1,810mm x 1,780mm
(L x W x H)
- Thickness of panel : 100mm ~ 120mm



Controllers & Compressors



Controller

Integrated controller

(Temperature controller with built in data logger)



Temperature controller



W: 150 / L: 90 / H: 40(mm)

Data logger



W: 89 / L: 47 / H: 147 (mm)

Compressor

TM08



TM15~16 / QP15~16



TM21 / QP21



TM31 / DKS32



Fitting / Hose

Hoses	Part No.	I.D.mm	O.D.mm
	L8.0	8.2	16
	L10.5	10.7	18.8
	L13.0	12.7	21.5
	L16.0	16.1	24.1
	L19.0	18.5	27.5
	L22.0	22.2	33.3
	L28.5	28.7	39.7
Fittings	Fitting Type	Thread Size	For hoses
	1/4	9/16-18 UNF	L8.0
	3/8	11/16-16 UNF	L8.0
	1/2	13/16-16 UNF	L10.5
	1/2	13/16-16 UNF	L13.0
	5/8	1"-14 UNF	L13.0
	3/4	1"13/16-12 UNF	L16.0
	1/4	9/16-18 UNF	L8.0
	3/8	11/16-16 UNF	L8.0
	1/2	13/16-16 UNF	L10.5
	1/2	13/16-16 UNF	L13.0
	5/8	1"-14 UNF	L13.0
	5/8	1"-14 UNF	L16.0
	3/4	1"13/16-12 UNF	L16.0
	1/4	9/16-18 UNF	L8.0
	3/8	11/16-16 UNF	L8.0
	1/2	13/16-16 UNF	L10.5
	1/2	13/16-16 UNF	L13.0
	5/8	1"-14 UNF	L13.0
	5/8	1"-14 UNF	L16.0
	3/4	1"13/16-12 UNF	L16.0
	3/4	1"13/16-12 UNF	L16.0

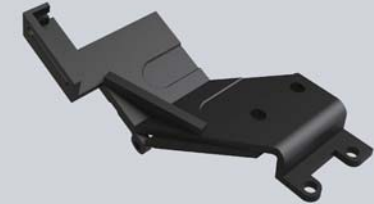
Fittings	Fitting Type	Thread size	For hoses
	5/8	1"-14 UNF	L13.0
	3/8	5/8-18 UNF	L8.0
	3/8	5/8-18 UNF	L10.5
	1/2	3/4-16 UNF	L10.5
	1/2	3/4-16 UNF	L13.0
	5/8	7/8-14 UNF	L13.0
	5/8	7/8-14 UNF	L16.0
		1"1/16-14 UNF	L16.0
	3/4	1"1/16-14 UNF	L19.0
		1"1/16-14 UNF	C22
	1/2	3/4-16 UNF	L10.5
	1/2	3/4-16 UNF	L13.0
	5/8	7/8-14 UNF	L13.0
	5/8	7/8-14 UNF	L16.0
	1/2	3/4-16 UNF	L10.5
	1/2	3/4-16 UNF	L13.0
	5/8	7/8-14 UNF	L13.0
	5/8	7/8-14 UNF	L16.0
	1/2	3/4-16 UNF	L
	5/8	7/8-14 UNF	-
	DN8.2	-	8.0
	DN10.7	-	L10.5
	DN12.7	-	L13.0
	DN16.1	-	L16.0
	DN18.5	-	L19.0
	DN22.0	-	L22.0

Compressor brackets

Standard	Engine	Belt
Comp B/K / [HYUNDAI 5ton HD120/225hp/passenger seat] TM21	D6BR / D6DB	A 37.5(1EA) / B48 (2EA)
Comp B/K / [HYUNDAI 2.5ton 150hp/driver's seat] TM16	D4GA	A37.5 / A32
Comp B/K / [HYUNDAI 2.5ton 120hp/driver's seat] TM16 /HD 65, 72	D4GL / D4AF	A61 / A70
Comp B/K / [HYUNDAI 2.5ton 140hp/driver's seat] TM16 /HD 65, 72	D4DD	A61 / A69
Comp B/K / [HYUNDAI HD45 1ton 85hp/passenger seat] TM15 /HD65, 72	D4BB	A37
Comp B/K / [HYUNDAI 2.5ton 145hp/driver seat] TM16	D4DD	A58
Comp B/K / [HYUNDAI 1ton 123hp/driver seat] TM15	D4CB	A38 / 7PK1653
Comp B/K / [HYUNDAI 2.5ton 120hp/passenger seat] TM16 / HD65, 72	D4AL / D4AF	A35
Comp B/K / [HYUNDAI 2.5ton 145hp/passenger seat] TM16 / HD65, 72	D4DD	A59
Comp B/K / [HYUNDAI 2.5ton 150hp/ driver seat] TM16-T2500	D4GA	A59
Comp B/K / [HYUNDAI 2ton 140hp driver seat] TM16	D4GA	A41
Comp B/K / [HYUNDAI 2ton 140hp driver seat] TM16	D4GA	A41
Comp B/K / [HYUNDAI 2ton 140hp driver seat] TM16	D4GA	A41
Comp B/K / [HYUNDAI 14.5ton 380hp/passenger seat] TM21	D6CB	A45
Comp B/K / [HYUNDAI 11.5/14.5ton 420hp/passenger seat] TM21	D6HA	A50
Comp B/K / [HYUNDAI 5ton 250hp/passenger seat] TM21	D6GA	A41
Comp B/K / [HYUNDAI 5ton 225hp/passenger seat] TM21	D6DA	A42



Hyundai 2.5ton 170HP cooling / Defrosting SD type



Hyundai 5ton



Hyundai OEM 120HP