



GUCHEN THERMO

INTEGRATED ELECTRIC STANDBY UNITS TR-350S/450S



Guchen Thermo integrated standby units are with the scroll electric compressor inside the condenser units, that can be plug into external AC power supply when truck engine stops. *Saving Fuel/ Saving Money/ Eco-friendly.*

The compact and integrated structure are *light-weight, low noise, low failure rate, easy for installation and maintenance!*



Reliable

We use world famous key parts to produce cooling systems.

QP Compressors; Spal/Bosch Fans; Danfoss Parts; Castel Valves;

Codan Pipes... Reliable and low failure rate.



Efficient

Our modern refrigerated units are built to the highest specifications.

CPR, liquid injection valve and Evaporator economizer are used to optimize the cooling performance, capacity, and prolong the service life.



Guaranteed

Guchen Thermo is the leading brand in China; with over 20 years experience in the R&D, production and sales of high quality refrigeration units. We have plenty of parts stocks to guarantee the after sales demands!

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INTEGRATED STANDBY UNITS



Standard Features

- ▶ R404a Refrigerant
- ▶ Operation on 12/24V DC Vehicles
- ▶ AC Electric Standby Compressor
- ▶ In-cab Digital Controller, with e-diagnostics
- ▶ Ultra-Slim Evaporator with Huge Air Volume
- ▶ Automatic and Manual Hot Gas Defrost
- ▶ CPR Regulator
- ▶ Expansion Valve with MOP
- ▶ Oil Separator and Refrigerant Reservoir
- ▶ Liquid Injection for High Ambient Temperature

Optional

- ▶ Hot Gas Heating Function

Model		TR-350S	TR450S
Cooling Capacity	Conditions	Temperature	Watts
	Road	0°C	4250W
		-20°C	2250W
	Standby	0°C	3420W
		-20°C	1850W
Control Voltage		DC 12V/24V	
Defrosting		Hot gas defrost(Auto./Manual)	
Temperature Range		-25°C ~ +30°C	
Refrigerant & Volume		R404A,1.8kg±5%	R404A,1.8kg±10%
Airflow Volume		1830m ³ /h	1830m ³ /h
Compressor&Displacement	Road	QP16/163cc	QP16/163cc
	Standby	KX-48L/48cc	KX-48L/48cc
Condenser(With standby)	Type	Parallel Flow Condenser	
	Qty of Fans	1Pcs	2Pcs
	Dimensions	1270*588*415mm	1270*588*415mm
	Weight	98Kg	98Kg
Evaporator	Type	Inner Grooved Copper Tube and Fin	
	Qty of Fans	2Pcs	2Pcs
	Dimensions	1080*619*200mm	1080*619*200mm
	Weight	23Kg	23Kg
Electric Standby Power Supply		AC220V 1Phase 50HZ / AC380V 3Phase 50HZ	
Recommended Box Volume		15~25m ³	18~25m ³

All data based on: 1. Ambient: +38°C for cooling; 0°C for heating; Insulation K-value: ≤ 0.32watts/m³ ; Recommend box volume in application is related to ambient, K-value, and cargoes that will be loaded, etc.

2. Specifications are subject to change without priority notice. Guchen Thermo, 2018.08.30

