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Vehicle Powered Unit TZ-S Series

High Efficiency and Reliability



- 0 cube with 100% box utilization
- High cooling capacity
- 35,000 hours brushless evaporator blowers
- High efficiency swash plate compressor
- Light weight design

TRANE
TECHNOLOGIES



TZ-S Series

Thermo King's TZ-S Series is a unique one-piece condenser & evaporator design which delivers the triple benefits of zero intrusion into the load space to allow highly efficient cargo loading, whilst simplifying installation to the vehicle, and reducing the risk of refrigerant connection leaks compared to the separated major components of traditional systems.

The TZ-S Series range of models is configured to provide superior cooling performance from lightest in class designs for medium refrigerated trucks.

Highest quality components are selected throughout, including centrifugal brushless evaporator blowers which provide highly efficient circulation of large air volumes with minimal noise, whilst delivering exceptionally long life up to 35,000 hours.

Product Model

- TZ-500S
- TZ-600S

TZ-S Series Key Features

Unitary design of the condenser and evaporator
Easy installation, maintenance and high loading efficiency

Appearance design
Unique aerodynamic shape design

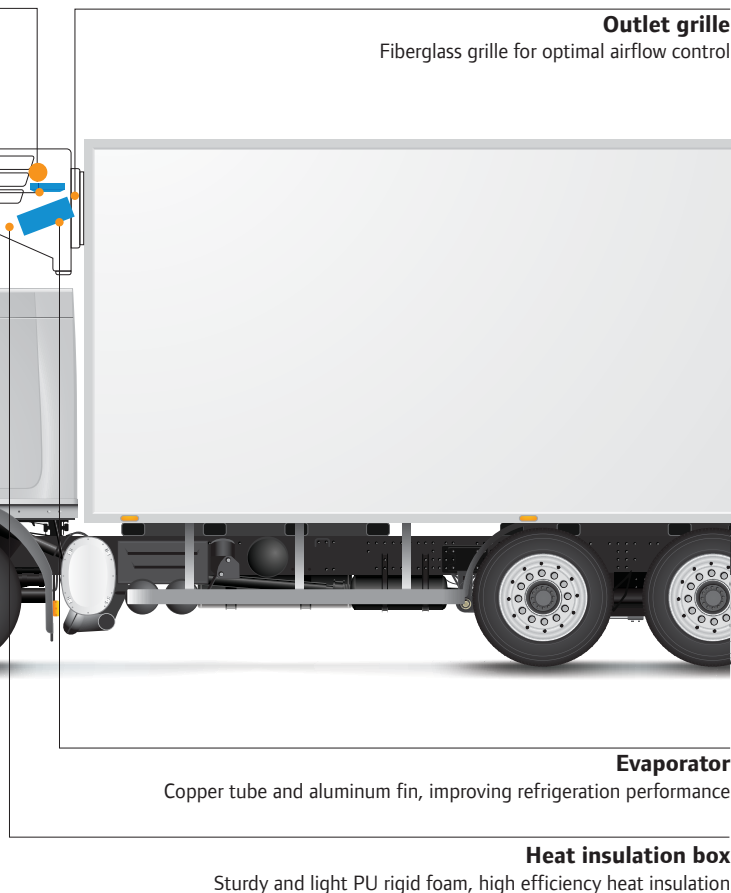
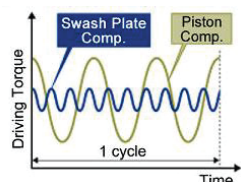
Axial flow fan
High efficiency, low noise, long life

Centrifugal fan
Super mute, long life with 35,000 hours, brushless motor

PF condenser
Light and high efficiency micro channel aluminum condenser

Control panel
Advanced digital display, simple operation

Compressor
Efficient compressor using 10-piston swash plate, reducing engine loading and failure risk on belt, pulley, etc.



Specifications

		TZ-500S	TZ-600S
Temp. range		-25°C~30°C	-25°C~30°C
Refrigerant & Charge(kg)		R-404A	R-404A
		1.45	2.2
Cooling capacity (W)		A.T.P. ,U.N. Standard @30°C(Ambient), compressor @ 1,800RPM	
Engine power	0°C	4,550	5,400
	-20°C	2,400	2,550
Compressor			
Model		TK21	TK21
Displacement(cm³)		215	215
Airflow			
Evaporator airflow(m³/h)		1,600	2,200
No. of Blower		2	3
Condenser flow rate(m³/h)		2,600	2,600
Blower number		2	2
Power(W)		In both 12V and 24V system	
Power(W)		471	569
Weight (approximate)			
Without electric standby(kg)		95	120
Defrost			
Defrost mode		Hot-gas defrost	

Dimension(mm)

