

# MONZONE®

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**Monzone customer service hotline**

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# THERMO KING

Thermo King - by Trane Technologies (NYSE: TT), a global climate Innovator - is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938. For more information, visit [www.thermoking.com](http://www.thermoking.com) or [www.tranetechnologies.com](http://www.tranetechnologies.com).

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# THERMO KING

# MONZONE®

## 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



## TZ-S Series

**MONZONE**

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

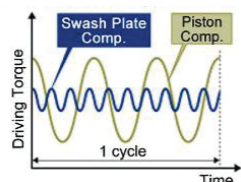
**Axial flow fan**  
High efficiency, low noise, long life

**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 1.45	R-404A 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
<b>Compressor</b>			
Model		TK21	TK21
Displacement(cm³)		215	215
<b>Airflow</b>			
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
<b>Power(W)</b> In both 12V and 24V system			
Power(W)		471	569
<b>Weight (approximate)</b>			
Without electric standby(kg)		95	120
<b>Defrost</b>			
Defrost mode		Hot-gas defrost	

**MONZONE**

### Dimension(mm)

