



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is worldwide leader in sustainable transport temperature control solution. Thermo King has been providing transport temperature control solution 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 or www.tranetechnologies.com.

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 **03-40411753**



Vehicle Powered Unit TZ-Series High Efficiency and Reliability

- 0 cube with 100% box utilization
- High cooling capacity
- High reliability with brushless motor and other sophisticated components
- High efficiency swash plate compressor
- Light weight

TRANE
TECHNOLOGIES



TZ-Series

Thermo King's TZ-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-Series range of models is configured to provide superior cooling performance from lightest in class designs, in a wide variety of small, medium and large refrigerated trucks.

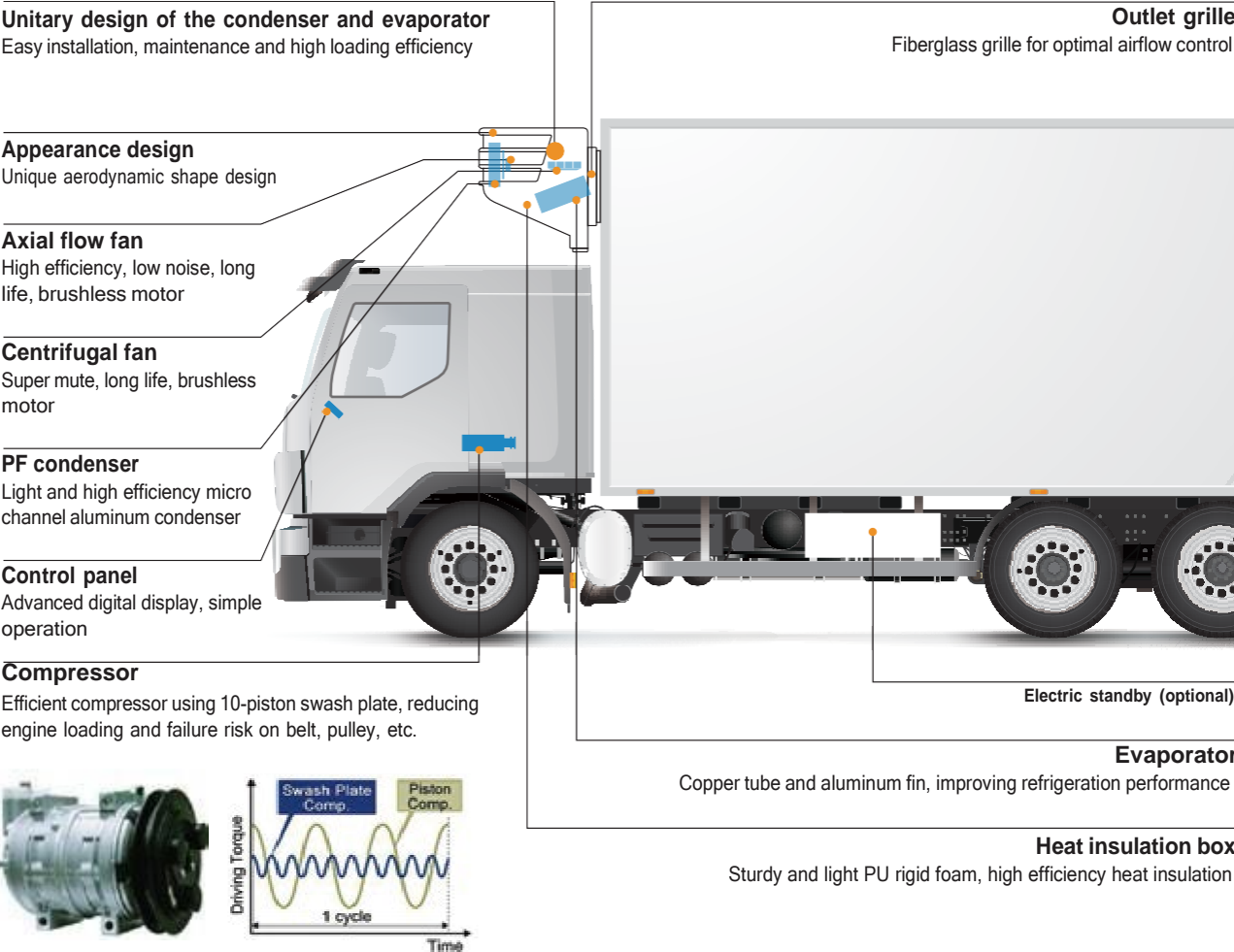
Highest quality components are selected throughout, including centrifugal brushless blowers which provide highly efficient circulation of large air volumes with minimal noise, whilst delivering exceptionally long life up to 25,000 hours.

Thermo King newly launched "TZ Fresh" Series with R-134a system. TZ Fresh provides superior pull down performance, higher reliability, longer life cycle and lower maintenance cost. It is special for fresh cargos. Count on Thermo King, we always deliver what you matters!

Product Model

- TZ-400
- TZ-400 Fresh
- TZ-600
- TZ-600 Fresh
- TZ-800
- TZ-800 Fresh
- TZ-1000
- TZ-1200

TZ-Series Key Features



Specifications

		TZ-400	TZ-400 Fresh	TZ-600	TZ-600 Fresh	TZ-800	TZ-800 Fresh	TZ-1000	TZ-1200
Temp. range		-25°C~30°C		-25°C~30°C		-25°C~30°C		-25°C~30°C	-25°C~30°C
Refrigerant & Charge(kg)		R-404A	R-134a	R-404A	R-134a	R-404A	R-134a	R-404A	R-404A
		1.3	1.3	1.7	1.7	1.7	1.7	3.5	1.7×2
Cooling capacity (W) J.I.S. Japan Standard @35°C(Ambient), compressor @ 1,800RPM									
Engine power	10°C	—	3,720	—	5,170	—	5,800	—	—
	0°C	4,190	2,910	5,120	3,900	6,630	4,200	7,560	9,880
	-18°C	2,330	—	2,910	—	3,370	—	4,300	6,160
Electric standby (60Hz)	10°C	—	2,420	—	3,100	—	3,480	—	—
	0°C	2,310	1,890	2,840	2,340	3,670	2,520	4,190	5,470
	-18°C	1,280	—	1,610	—	1,870	—	2,380	3,410
Cooling capacity (W) A.T.P. ,U.N. Standard @30°C(Ambient), compressor @ 1,800RPM									
Engine power	10°C	—	3,930	—	5,450	—	6,120	—	—
	0°C	4,310	3,070	5,270	4,110	6,820	4,430	7,780	10,170
	-20°C	2,400	—	2,990	—	3,470	—	4,430	6,340
Electric standby (60Hz)	10°C	—	2,550	—	3,270	—	3,670	—	—
	0°C	2,370	2,000	2,920	2,470	3,780	2,660	4,310	5,630
	-20°C	1,320	—	1,660	—	1,920	—	2,450	3,510
Compressor									
Model		TK21		TK21		TK21		TK21	TK21*2
Displacement(cm³)		215		215		215		215	215
Airflow									
Evaporator flow rate(m³/h)		1,400		2,000		2,300		3,200	3,200
Blower number		2		3		4		4	4
Condenser flow rate(m³/h)		2,600		2,600		2,600		5,200	5,200
Blower number		2		2		2		4	4
Power(W) In both 12V and 24V system									
Power(W)		471		569		665		953	1,000
Weight (approximate)									
Without electric standby(kg)		95		120		140		200	220
With electric standby(kg)		170		233		253		334	446
Electric standby									
Voltage/Phase/Frequency/Current		200V/3PH/60Hz/8.9A		200V/3PH/60Hz/9.7A		200V/3PH/60Hz/9.7A		200V/3PH/60Hz/9.7A	200V/3PH/60Hz/9.7A
Compressor type		Semi-hermetic SF20A		Semi-hermetic SF20B		Semi-hermetic SF20B		Semi-hermetic SF20B	Semi-hermetic SF20B
Defrost									
Defrost mode		R-404A:Hot-gas defrost; R-134a: off-cycle defrost							
Note: TZ-1200 units are more reliable for two separate refrigeration system integrated in one unit.									

Dimension (mm)

