tkt HVAC solution



Commercial Vehicle Air Conditioner

www.busthermo.com

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Product Catalog

01 Electric Bus Air Conditioner

02 Conventional Bus Air Conditioner

03 Caravan Air Conditioner

04 Parking Air Conditioner

05 Conventional Truck A/C



Commercial Vehicle Air Conditioner

- Precision Manufacturing
- Attentive Customer Service



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Electric Bus A/C

Roof Top Model

- OEM/Customized System Acceptable
- Patent System Design to Guarantee Super Cooling for Tropical Climate
- Inner Screw Copper Tube & Hydrophilic Alu. To Guarantee 12-18 Years Lifetime
- Lower Weight, Lower Power Consumption
- Fresh Air Available
- Customized CAN Control Acceptable



tkt HVAC solution



TKT-160E

TKT-260E

TKT-420E

Model No		TKT-160E	TKT-260E	TKT-420E
Bus Length		6-7M	9-10M	11-13M
Cooling Capacity		16KW	26KW	42KW
Compressor		HIGHLY	SANYO	SANYO/HIGHLY
Refrigerant		R407C	R407C	R407C/R410A
Compressor Voltage/Power Supply		DC250-450V	DC450-750V	DC450-750V
Control Voltage/Power Supply		DC24V/8A	DC24V/10A	DC24V/10A
Evaporator	Model	Cooper Tube and Aluminum Fin Structure		
	Blower Flow	3600m³/h	5400m³/h	7200m³/h
	Blower	4pcs	6pcs	8pcs
Condenser	Model	Cooper Tube and Aluminum Fin Structure		
	Fan Flow	3600m³/h	7200m³/h	9000m³/h
	Fan	2-3pcs	4pcs	5-6pcs
Weight		151kg	258kg	283kg/242kg
Dimension(L*W*H)		2700*1630*195mm	2700*1830*250mm	3200*1830*250mm
Heating		Heating Pump is optional	Heating Pump is optional	Heating Pump is optional
Control		Digital control panel + CAN Control(optional)		

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A/C COMBINE CHILLER

Integrated: A/C & BTMS

- TKT EV thermal management system uses innovative technology to integrate electric bus A/C and BTMS. It can also be called A/C combine chiller or vehicle thermal management system (VTMS).
- Application: Electric Bus
- Advantages: Improve Efficiency, Save Space, Repair Less, Save Costs



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TKT-260E-BCS

TKT-420E-BCS

	Model No	TKT-260E-BCS	TKT-420E-BCS
A/C	Rated Cooling Capacity	26KW	42KW
	High-Voltage Power Supply	DC380-800V	DC380-800V
	Rated Input Power	7.5KW	14KW
	Refrigerant	R407C/4.8KG	R407C/5.0KG
	Control	3 Speed Control(High Mid Low)	3 Speed Control(High Mid Low)
	Air Flow (m³/h)	5400 6 BELOWER	7200 8 BELOWER
	Condenser Air Flow (m³/h)	7200 4FAN	9000 5FAN
	Compressor Control	Stepless Speed Regulation	Stepless Speed Regulation
	Expansion Value	SANHUA LPF Series	SANHUA LPF Series
	Control Power (V/A)	DC24V/10A	DC24V/10A
	Weight	268kg	251kg
	Dimension(L*W*H)	2700*1830*250mm	3200*1830*250mm
BCS	BCS Rated Cooling Capacity	0-8KW(Automatic Adjustment)	0-8KW(Automatic Adjustment)
	BCS Water Flow	≥25L/Min(An External Pump)	≥25L/Min(An External Pump)

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tkt HVAC solution

Conventional Big Bus A/C

Roof Top Model

- Patent System Design to Guarantee Super Cooling for Tropical Climate
- Inner Screw Copper Tube & Hydrophilic Alu. To Guarantee 12-18 Years Lifetime
- Adopting World Top Brand Components to Lower Life Cycle Cost Fresh Air Available
- OEM/Customized System Acceptable
- More Choices for Different Budget/Cooling Requirement
- Warranty Time : 12 months from date of commissioning
- AMC/Extended warranty available



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TKT-340B

TKT-380B

TKT-400B

Model No		TKT-340B	TKT-380B	TKT-400B
Application		Less Than 11.5M	Less Than 12.8M	12-14M
Cooling Capacity		34KW	38KW	40KW
Compressor		Bock FKX40 655K	Bock FKX40 655K	Bock FKX40 755K
Refrigerant		R134A	R134A	R134A
Voltage		DC24V	DC24V	DC24V
Currents		89A	98A	106A
Evaporator	Air Flow	6600m³/h	9020m³/h	9020m³/h
	Blower	6pcs	8pcs	8pcs
Condenser	Air Flow	8800m³/h	11550m³/h	14400m³/h
	Fan	4pcs	5pcs	6pcs
Weight of Roof Top Units		175kg	190kg	195kg
Dimension(L*W*H)		4120*1830*275mm	4670*1830*275mm	4670*1830*275mm
Driven Mode		Engine Direct Driven	Engine Direct Driven	Engine Direct Driven

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tkt HVAC solution

Conventional Middle Bus A/C

Roof Top Model

- Patent System Design to Guarantee Super Cooling for Tropical Climate
- Inner Screw Copper Tube & Hydrophilic Alu. To Guarantee 12-18 Years Lifetime
- Adopting World Top Brand Components to Lower Life Cycle Cost
- Fresh Air Available
- OEM/Customized System Acceptable
- More Choices for Different Budget/Cooling Requirement



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TKT-180M



TKT-200M



TKT-260M

Model No		TKT-180M	TKT-200M	TKT-260M
Bus Length		6-7M	Less than 8M	9-10M
Cooling Capacity		18KW	20KW	26KW
Compressor		PLM27	AK31/Valeo TM31	Bock FKX40 390K
Refrigerant		R134A	R134A	R134A
Voltage/Currents		DC12V(86A)/DC24V(43A)	DC12V(126A)/DC24V(63A)	DC12V(126A)/DC24V(63A)
Evaporator	Air Flow	4400m³/h	4400m³/h	4400m³/h
	Blower	4pcs	4pcs	4pcs
Condenser	Air Flow	4400m³/h	6600m³/h	6600m³/h
	Fan	2pcs	3pcs	3pcs
Weight of Roof Top Units		150kg	162kg	172kg
Dimension(L*W*H)		2820*1630*260mm	3120*1630*260mm	3120*1630*260mm
Driven Mode		Engine Direct Driven	Engine Direct Driven	Engine Direct Driven
Installation		Roof Top	Roof Top	Roof Top

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tkt HVAC solution

Conventional Van/Mini Bus A/C

Roof Top Model

- Patent System Design to Guarantee Super Cooling for Tropical Climate
- Inner Screw Copper Tube & Hydrophilic Alu. To Guarantee 12-18 Years Lifetime
- Adopting World Top Brand Components to Lower Life Cycle Cost
- OEM/Customized System Acceptable
- More Choices For Different Budget/Cooling Requirement



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TKT-120V



TKT-140V

Model No		TKT-120V	TKT-140V
Bus Seats		Less than 18	Less than 28
Cooling Capacity		12KW	14KW
Compressor		DY7H15/SANDEN7H15	XH22/Valeo TM21
Refrigerant		R134A	R134A
Voltage/Currents		DC12V(34A)/DC24V(17A)	DC12V(38A)/DC24V(19A)
Evaporator	Air Flow	2000m³/h	2500m³/h
	Blower	2pcs	2pcs
Condenser	Air Flow	2900m³/h	4200m³/h
	Fan	2pcs	2pcs
Weight of Roof Top Units		56kg	85kg
Dimension(L*W*H)		1010*974*194mm	1520*1100*174mm
Driven Mode		Engine Direct Driven	Engine Direct Driven
Installation		Roof Top	Roof Top

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tkt HVAC solution

Caravan A/C

Under-Bed / Roof Top Model

- European & American Certification
- Sufficient Cooling for Tropical Climate
- Lower Power Consumption (3.9A only)
- Lower Noise (48 dB only)
- 10-15 Years System Lifetime
- More Models to Suit Different Kinds of Caravans



tkt HVAC solution



TKT-30THIN



TKT-35THIN

Model No	TKT-30THIN	TKT-35THIN
Application	RV, Caravan, Motor Home, Camper, Yacht	
Cooling Capacity	9000BTU	12000BTU
Heating Capacity	9500BTU	12500BTU
Compressor	Boyard	Boyard
Refrigerant	R32	R32
Power Supply	220-240V/50Hz	220～240V/50Hz
Control Supply Voltage	DC12V	DC12V
Current	4.2A(220V)	5.5A (220V)
Input Power	1000W	1300W
Net Weight	41kg	41kg
Upper Unit Sizes(L*W*H)	1056*736*253mm	1056*736*253mm
Structure	Roof Top	Roof Top

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TKT-30UB Plus



TKT-30UB-DC



TKT-20ERT(12V/24V)

Model No	TKT-30UB Plus	TKT-30UB-DC	TKT-20ERT/12V	TKT-20ERT/24V
Application	RV, Caravan, Motor Home, Camper, Yacht			
Cooling Capacity	2650W	2500W	2500W	3000W
Heating Capacity	2700W+540W	/	/	/
Refrigerant	R32	R134A	R134A	R134A
Power Supply	230V/50Hz	DC24V	DC12V	DC24V
Current	4.2A+2.4A Electric Heater	10-35A	10-60A	10-35A
Input Power	945W (+540W Electric Heater)	750W	1450W	1450W
Net Weight	29kg	20kg	28kg	29kg
Dimension (L*W*H)	734*398*296 mm	575*455*290mm	805*805*180 mm	805*805*180 mm
Installation	Under-bed	Under-bed	Roof Top	Roof Top

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tkt HVAC solution

Parking A/C

Split / Roof Top Model

- Sufficient Cooling for Tropical Climate
- Lower Power Consumption to Reduce Additional Battery Cost
- ZERO Fuel Cost, Saving at Least 2.5 Lakh Per Year
- Less Installation Experience Required, Less Installation Cost
- 12-15 Years System Lifetime
- OEM/Customized Acceptable



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TKT-20ER/50ER

TKT-20ES/50ES

Model No		TKT-20ER	TKT-50ER	TKT-20ES	TKT-50ES
Application		Truck cab, trailer, caravan, farming machine, construction machine, caravan, etc			
Cooling Capacity		3000W	5000W	3000W	5000W
Electrical Compressor		21CC	26CC	21CC	26CC
Refrigerant		R134A	R134A	R134A	R134A
Voltage		DC12/24/48/72/96V	DC12/24/48/72/96V	DC12/24/48/72/96V	DC12/24/48/72/96V
Standard Total Current		DC12V/60A; DC24V/30A	DC12V/90A; DC24V/45A	DC12V/60A; DC24V/30A	DC12V/90A; DC24V/45A
Evaporator	Blower	1pc	1pc	1pc	1pc
	Air Flow	1000m³/h	1000m³/h	1000m³/h	1000m³/h
Condenser	Fan	2pcs	2pcs	1pc	1pc
	Air Flow	2000m³/h	2000m³/h	1500m³/h	1500m³/h
Weight		34kg	36kg	42kg	44kg
Dimension of Roof Top(L*W*H)		700*750*205mm	700*750*205mm	728*522*200mm	728*522*200mm
Installation		Roof Top Model	Roof Top Model	Split Model	Split Model

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Conventional Truck A/C

Roof Top Model

- Sufficient Cooling for Tropical Climate
- Inner Screw Copper Tube & Hydrophilic Alu. To Guarantee 12-18 Years Lifetime
- Adopting World Top Brand Components to Lower Life Cycle Cost
- Dust Proof & Robust Design
- Digital Control
- Low-cost Solution for a More Comfortable Driving Environment



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TKT-40T

TKT-60T

Model No		TKT-40T	TKT-60T
Application		Truck Cab, Trailer, Tractor, Forklift, Farming Machine and Engineer Machine	
Cooling Capacity		4000W	6000W
Compressor		5H14 Made in China/ Jap SD5H14	5H14 Made in China/ Jap SD5H14
Refrigerant		R134A	R134A
Voltage		DC12/24V	DC12/24V
Evaporator	Type	Copper Tube & Aluminum Fin	Copper Tube & Aluminum Fin
	Air Flow	750m³/h	750m³/h
	Blower	1pc	1pc
Condenser	Type	Copper Tube & Aluminum Fin	Copper Tube & Aluminum Fin
	Air Flow	610m³/h	1210m³/h
	Fan	1pc	2pcs
Weight for Roof Top Unit		32kg	42kg
Dimension (L*W*H)		751*681*196mm	745*780*160mm
Installation		Roof Top Model	Roof Top Model
Power Consumption		Less than 0.25KW	Less than 0.33KW

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