

## AC150S / AC160 / AC180



AC150S



AC160/AC180

Model		AC150S	AC160	AC180
Cooling Capacity		15.0 Kw/51000 BTU	16.0 Kw/55000 BTU	18.5 Kw/63500 BTU
Refrigant		R134A	R134A	R134A
Compressor		TM21/TM31	TM21/TM31	TM31/TM43
Condenser	Fan Quantity	2	2	2
	Dimension	1050*783*190 mm	Monoblock 2300*1646*270 mm	Monoblock 2300*1646*270 mm
	Weight	28Kg	78Kg	96Kg
Evaporator	Fan Quantity	3	4	4
	Dimension	1350*578*195 mm	NA	NA
	Weight	22 Kg	NA	NA
Application		6.3-7.3m Bus	6.5-7.5m Bus	7.5-8.6m Bus

## AC100 / AC100T / AC120TS



AC100



AC100T/AC120TS

Model		AC100	AC100T	AC120TS
Cooling Capacity		10.5 Kw/35900 BTU	10.8 Kw/36900 BTU	12.0 Kw/41000 BTU
Refrigant		R134A	R134A	R134A
Compressor		7H15/TM16	7H15/TM16	TM16/TM21
Condenser	Fan Quantity	1	2	2
	Dimension	1050*783*190 mm	Monoblock 1263*1040*198 mm	Monoblock 1263*1040*198 mm
	Weight	24Kg	42Kg	48Kg
Evaporator	Fan Quantity	2	2	2
	Dimension	1008*266*140 mm	NA	NA
	Weight	12 Kg	NA	NA
Application		Ambulance Van Mid Van	Mid Van	LWB Van

# ThermoKool

## DC Battery Driven Refrigeration Units Series

Model No.	C150TB1	C150TB2	V150TB
Condenser Units	 <p>L: 856mm W: 743mm H: 165mm 38Kg</p>	 <p>L: 856mm W: 743mm H: 165mm 38Kg</p>	 <p>L: 856mm W: 743mm H: 165mm 40Kg</p>
Evaporator Units	 <p>L: 766mm W: 520mm H: 130mm 12Kg</p>	 <p>L: 662mm W: 178mm H: 168mm 11Kg</p>	 <p>L: 662mm W: 178mm H: 168mm 11Kg</p>
Voltage	DC12V	DC12V	DC12V
Refrigerant	R134A	R134A	R404A
Defroster	No	Yes	Yes
Cooling capacity	-5°C : 1550W	-5°C : 1550W	+5°C : 1550W -20°C : 760W
Compressor	DC12V Electric Brushless compressor	DC12V Electric Brushless compressor	DC12V Electric vortex compressor
Current	53—59A	50—55A	50—55A
Evap Air flow	850m3/h	950m3/h	950m3/h
Electric Standby	Optional/2000W	Optional/2000W	Optional/2000W
Recommendation : Alternator	>=85 Amp	>=75 Amp	>=75 Amp
Apply for insulated box size	+0°C : 6-7 m3 -5°C : 4-5 m3 -10°C : 3 m3 -20°C : No	+0°C : 6-7 m3 -5°C : 4-5 m3 -10°C : 3 m3 -20°C : No	+0°C : 7-8 m3 -5°C : 6-7 m3 -10°C : 4-5 m3 -20°C : 2.5-3.5 m3

\*\*\*System included: Condenser with built-in DC Electric Compressor, Evaporator, Installation Kit, Wire Harness, Water Drain Hose, Temp. Controller, clamp, Fittings & Hoses.

# ThermoKool

**The Generation IV**

**DC Battery Electric refrigeration Units**

No need compressor feed by engine.

Easy and fast installation, fix condenser, evaporator, hose, wiring and charge gas, its enough.

Still cooling when Engine-off at load&unload goods.

The digital control panel is easy to operation, integrated in the vehicle cabin

Cooling is fast and more cooling, cooling capacity up to 1550W.

Current is very low. Only 55A at DC12V

Coolbox space up to 8m<sup>3</sup>.

The motor and the compressor are built-in condenser units.

Innovative technology of evaporator units with very low current and high-cooling.

R134A and R404A two types.

## RV60



Model		RV60
Cooling Capacity		6.5 Kw / 22100 BTU
Refrigant		R407C
Compressor		AC 220V Electric Compressor
Monoblock	Fan Quantity of Condenser	1
	Fan Quantity of Evaporator	1
	Total Dimension	1050*783*190 mm
	Total Weight	48Kg
Application		Motorhome

## AC65B / AC60TB / AC100TB



AC65B Condenser



AC65B Evaporator



AC60TB



AC100TB



Model		AC65B	AC60TB	AC100TB
Cooling Capacity		6.0 Kw / 20500 BTU	6.8 Kw / 23200 BTU	9.6 Kw / 32800 BTU
Refrigant		R134A	R134A	R134A
Compressor		DC 12V/24V Electric Compressor		
Condenser	Fan Quantity	1	1	2
	Dimension	1050*783*190 mm	Monoblock 1050*783*190 mm	Monoblock 1050*783*190 mm
	Weight	29 Kg	Monoblock 48 Kg	Monoblock 56 Kg
Evaporator	Fan Quantity	1	1	2
	Dimension	766*520*130mm	NA	NA
	Weight	12kg	NA	NA
Application		4.5-5.5 m Van	4.5-5.5 m Van	4.5-6.0 m Van
Note	AC65B	Vehicle must have a 90A alternator.		
	AC60TB	Vehicle must have a 120A alternator.		
	AC100TB	Vehicle must have a 150A alternator.		



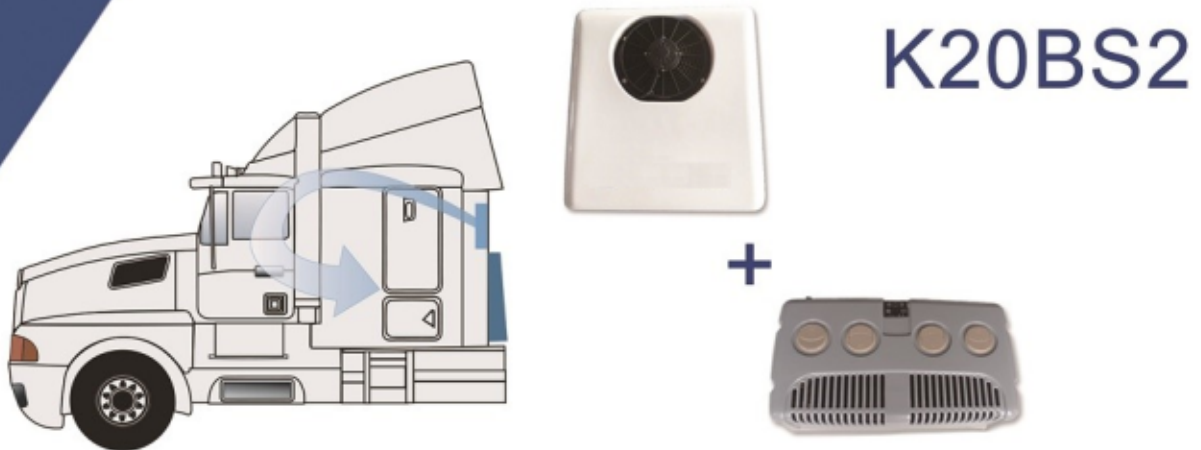
## T20B

Model No.	T20B
Cooling Capacity	2.2-2.5KW / 8,500BTU
Voltage	DC12V / 24V
Current	48A(12V) / 33A(24V)
Evaporator Air Flow Volume	750M <sup>3</sup> /h
Compressor	Totally-enclosed,DC-powered, direct connection brushless motor
Controller	Digital / Manual
Installation	All roof top mounted
Bunk Heater	Optional
Applying	Heavy-duty vehicles&machinery with 12V/24V power



## Features

- Minimum operational noise
- Easy operation & installation
- Battery powered, eco-friendly
- Cutting-edge electric cooling solution
- Reliable, robust & aesthetical
- Fuel-saving & cost-effective



Model No.	K20BS2
Cooling Capacity	2.2-2.5KW / 8,500BTU
Voltage	DC12V / 24V
Current	46A(12V) / 32A(24V)
Evaporator Air Flow Volume	650M <sup>3</sup> /h
Compressor	Totally-enclosed,DC-powered, direct connection brushless motor
Controller	Digital / Manual
Installation	Condenser back-mounted, evaporator inside
Bunk Heater	Optional
Applying	Heavy-duty vehicles&machinery with 12V/24V power



## Features

- Minimum operational noise
- Easy operation & installation
- Battery powered, eco-friendly
- Cutting-edge electric cooling solution
- Reliable, robust & aesthestical
- Fuel-saving & cost-effective



## C150FB / C300FB



C150FB/C300FB Condenser



C150FB Evaporator



C300FB Evaporator

Model		C150FB	C300FB
Driven		100% DC 12V Powered by battery	
Temperature		-5°C	-5°C
Cooling Capacity		1380W (-5°C) 4700Btu (-5°C)	2800W (-5°C) 9570Btu (-5°C)
Refrigant		R134A	R134A
Compressor		DC 12V Electric Compressor	
Condenser	Fan Quantity	1	1
	Dimension	925*450*260 mm	925*450*260 mm
	Weight	30 Kg	32 Kg
Evaporator	Fan Quantity	1	2
	Dimension	766*520*130mm	766*520*130mm
	Weight	12kg	15kg
Electric Current		72A	95A
Application	+5°C	6 m <sup>3</sup>	10-11 m <sup>3</sup>
	-5°C	3 m <sup>3</sup>	6-8 m <sup>3</sup>
Note	C150FB	The alternator capacity of vehicle is at least 90A.	
	C300FB	The alternator capacity of vehicle is at least 125A.	



- Saves fuel
- Environmental friendly
- Connects the cables to the battery.
- Simple installation and low maintenance cost

## C150TB / C300TB



C150TB/C300TB Condenser



C150TB Evaporator



C300TB Evaporator

Model		C150TB	C300TB
Driven		100% DC 12V Powered by battery	
Temperature		-5°C	-5°C
Cooling Capacity		1380W (-5°C) 4700Btu (-5°C)	2780W (-5°C) 9500Btu (-5°C)
Refrigant		R134A	R134A
Compressor		DC 12V Electric Compressor	
Condenser	Fan Quantity	1	1
	Dimension	1050*783*190 mm	1050*783*190 mm
	Weight	28 Kg	30 Kg
Evaporator	Fan Quantity	1	2
	Dimension	766*520*130mm	766*520*130mm
	Weight	12kg	15kg
Electric Current		72A	95A
Application	+5°C	6 m <sup>3</sup>	10-11 m <sup>3</sup>
	-5°C	3 m <sup>3</sup>	6-8 m <sup>3</sup>
Note	C150TB	The alternator capacity of vehicle is at least 90A.	
	C300TB	The alternator capacity of vehicle is at least 125A.	



- Saves fuel
- Environmental friendly
- Connects the cables to the battery.
- Simple installation and low maintenance cost

## V150T / V300T / V350T / V450T



V150T/V300T/V350T V450T Condenser V150T Evaporator V300T/V350T Evaporator V450T Evaporator  
Condenser



Model		V150T	V300T	V350T	V450T
Temperature		-20°C	-20°C	-20°C	-20°C
Voltage		DC12V/DC24V	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V
Cooling Capacity		890W (-20°C) 3040Btu (-20°C)	1610W (-20°C) 5500Btu (-20°C)	2210W (-20°C) 7550Btu (-20°C)	2610W (-20°C) 8920Btu (-20°C)
Refrigant		R404A	R404A	R404A	R404A
Compressor		SD5S11/SD5S14	SD5S14	SD7L15/TM16	SD7L15/TM16
Condenser	Fan Quantity	1	1	1	2
	Dimension	1050*783*190 mm	1050*783*190 mm	1050*783*190 mm	1050*783*190 mm
	Weight	24 Kg	26 Kg	27 Kg	30 Kg
Evaporator	Fan Quantity	1	2	2	3
	Dimension	766*520*130 mm	766*520*130 mm	955*534*160 mm	1198*570*160 mm
	Weight	14 Kg	16 Kg	20 Kg	28 Kg
Application	+5°C	8-10 m³	12 m³	18-20 m³	22-24 m³
	-5°C	6-7 m³	8-10 m³	14-16 m³	18 m³
	-20°C	3 m³	6-7 m³	8-10 m³	14-16 m³

## C150T / C300T / C350T



C150T/C300T/C350T Condenser



C150T Evaporator



C300T/C350T Evaporator



Model		C150T	C300T	C350T
Temperature		-5°C	-5°C	-5°C
Voltage		DC12V/DC24V	DC12V/DC24V	DC12V/DC24V
Cooling Capacity		1480W (-5°C) 5060Btu (-5°C)	2780W (-5°C) 9500Btu (-5°C)	3180W (-5°C) 10875Btu (-5°C)
Refrigant		R134A	R134A	R134A
Compressor		SD5S11	SD5S14	SD7H15/TM16
Condenser	Fan Quantity	1	1	1
	Dimension	1050*783*190 mm	1050*783*190 mm	1050*783*190 mm
	Weight	22Kg	24Kg	25Kg
Evaporator	Fan Quantity	1	2	2
	Dimension	766*520*130 mm	766*520*130 mm	955*534*160 mm
	Weight	12 Kg	14 Kg	18 Kg
Application	+5°C	6-7 m <sup>3</sup>	10-12 m <sup>3</sup>	15-16 m <sup>3</sup>
	-5°C	3 m <sup>3</sup>	6-8 m <sup>3</sup>	8-10 m <sup>3</sup>

## V450F / V550F / V650F / V750F / V850F



V450F/V550F/V650F/V750F/V850F  
Condenser



V450F Evaporator



V550F/V650F Evaporator



V750F/V850F Evaporator



Model		V450F	V550F	V650F	V750F	V850F
Temperature		-20°C	-20°C	-20°C	-20°C	-20°C
Voltage		DC12V/DC24V	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V
Cooling Capacity		2610W (-20°C) 8920Btu (-20°C)	2970W (-20°C) 10150Btu (-20°C)	3720W (-20°C) 12720Btu (-20°C)	5200W (-20°C) 17780Btu (-20°C)	5900W (-20°C) 20170Btu (-20°C)
Refrigant		R404A	R404A	R404A	R404A	R404A
Compressor		SD7L15/TM16	TM16/TM21	TM21	TM21/TM31	TM31
Condenser	Fan Quantity	2	2	2	2	2
	Dimension	1050*380*560 mm	1050*380*560 mm	1050*380*560 mm	1050*380*560 mm	1050*380*560 mm
	Weight	41 Kg	41 Kg	44 Kg	44 Kg	55 Kg
Evaporator	Fan Quantity	3	4	4	5	5
	Dimension	1198*570*160 mm	1450*650*230 mm	1450*650*230 mm	1770*650*230 mm	1770*650*230 mm
	Weight	28 Kg	40 Kg	40 Kg	44 Kg	44 Kg
Application	+5°C	22-24 m³	30 m³	35 m³	42 m³	50 m³
	-5°C	18 m³	26 m³	30 m³	35 m³	42 m³
	-20°C	14-16 m³	18-20 m³	24-26 m³	30 m³	35 m³

## C150F / C300F / V150F / V300F / V350F



C150F/C300F/V150F/V300F /V350F Condenser



C150F/V150F Evaporator



C300F/V300F/V350F/ Evaporator



Model		C150F	C300F	V150F	V300F	V350F
Temperature		-5°C	-5°C	-20°C	-20°C	-20°C
Voltage		DC12V/DC24V	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V
Cooling Capacity		1480W (-5°C) 5060Btu (-5°C)	2920W (-5°C) 9980Btu (-5°C)	920W (-20°C) 3140Btu (-20°C)	1610W (-20°C) 5500Btu (-20°C)	2250W (-20°C) 7690Btu (-20°C)
Refrigant		R134A	R134A	R404A	R404A	R404A
Compressor		SD5S11/SD5S14	SD5S14	SD5S11/SD5S14	SD5S14	SD7L15/TM16
Condenser	Fan Quantity	1	1	1	1	1
	Dimension	925*450*260 mm	925*450*260 mm	925*450*260 mm	925*450*260 mm	925*450*260 mm
	Weight	22 Kg	24 Kg	24 Kg	28 Kg	28 Kg
Evaporator	Fan Quantity	1	2	1	2	2
	Dimension	766*520*130 mm	766*520*130 mm	766*520*130 mm	766*520*130 mm	955*534*160 mm
	Weight	12 Kg	14 Kg	14 Kg	16 Kg	20 Kg
Application	+5°C	6-7 m³	10-12 m³	8-10 m³	12 m³	18-20 m³
	-5°C	3 m³	6-8 m³	6-7 m³	8-10 m³	14-16 m³
	-20°C	NA	NA	3 m³	6-7 m³	8-10 m³



## Transport Refrigeration Units List

Series	Model No	Chiller/Frozen	Refrigerant Gas
Nose Front Mounted for Trucks	C150F	Chiller (-5 °C )	R134A
	C300F		
	V150F	Frozen (-20 °C )	R404A
	V300F		
	V350F		
	V450F		
	V550F		
	V650F		
	V750F		
	V850F		
Roof Top Mounted for Vans	C150T	Chiller (-5 °C )	R134A
	C300T		
	C350T		
	V150T	Frozen (-20 °C )	R404A
	V300T		
	V350T		
	V450T		
Battery Driven Units (DC Electrical Units)	C150TB	Chiller (-5 °C )	R134A
	C300TB		
	C150FB		
	C300FB		
Diesel Engine Units	D1000	Frozen (-20 °C )	R404A
	D1200		

# ThermoKool



Diesel Engine Refrigeration Unit D100/D1200, designed for the 7-9.6m truck body.

Features :

• **Mainstream engine and compressor brand (Yanmar, Bock)**

Leading brand engine and compressor guarantee the performance. mainstream brand, easy to find parts in market, bring the convenience of after sales.

• **Japanese Yanmar engine, low noise, low fuel cost;**

No need to worry about the complaint to the engine noise anymore, when delivery in the early morning; and the advanced engine will also save users' cost on the fuel.

• **Advanced gravity balance designing;**

Repeated tested design for the machine body balance, won't torture the insulated body panel, reduce the risk of body panel broken due to the heavy weight of the refrigeration unit.



Engine: Yanmar 3Cylinders  
Low noise  
Low fuel  
More power  
Stable center of gravity



Compressor: Bock  
Strong performance  
Convenient after-sales

## Diesel Engine Refrigeration Unit



		D1000	D1200
Tem.		-25 - 30°C	-25 - 30°C
Body Application		45-55m <sup>2</sup>	55-65m <sup>2</sup>
Alternator		12V 90A	12V 90A
Engine	Original	Japan	Japan
	Brand	Yanmar 3TNV76	Yanmar 3TNV76
	No of cylinder	3	3
Compressor	Original	Germany	Germany
	Brand	Bock FXK 40 390TK	Bock FXK 40 390TK
	Displacement	385CC	560CC
	Weight	6.6Kg	6.8Kg
Refrigerant		R404A	R404A
Heating		Hot gas heating (Standard)	
Electrical Standby		AC220V/3phase/50HZ AC380V/3Phase/50HZ	
Size	Overall Size	1860*878*668	
	Body Opening	1245*355	
Weight		475Kg	634Kg