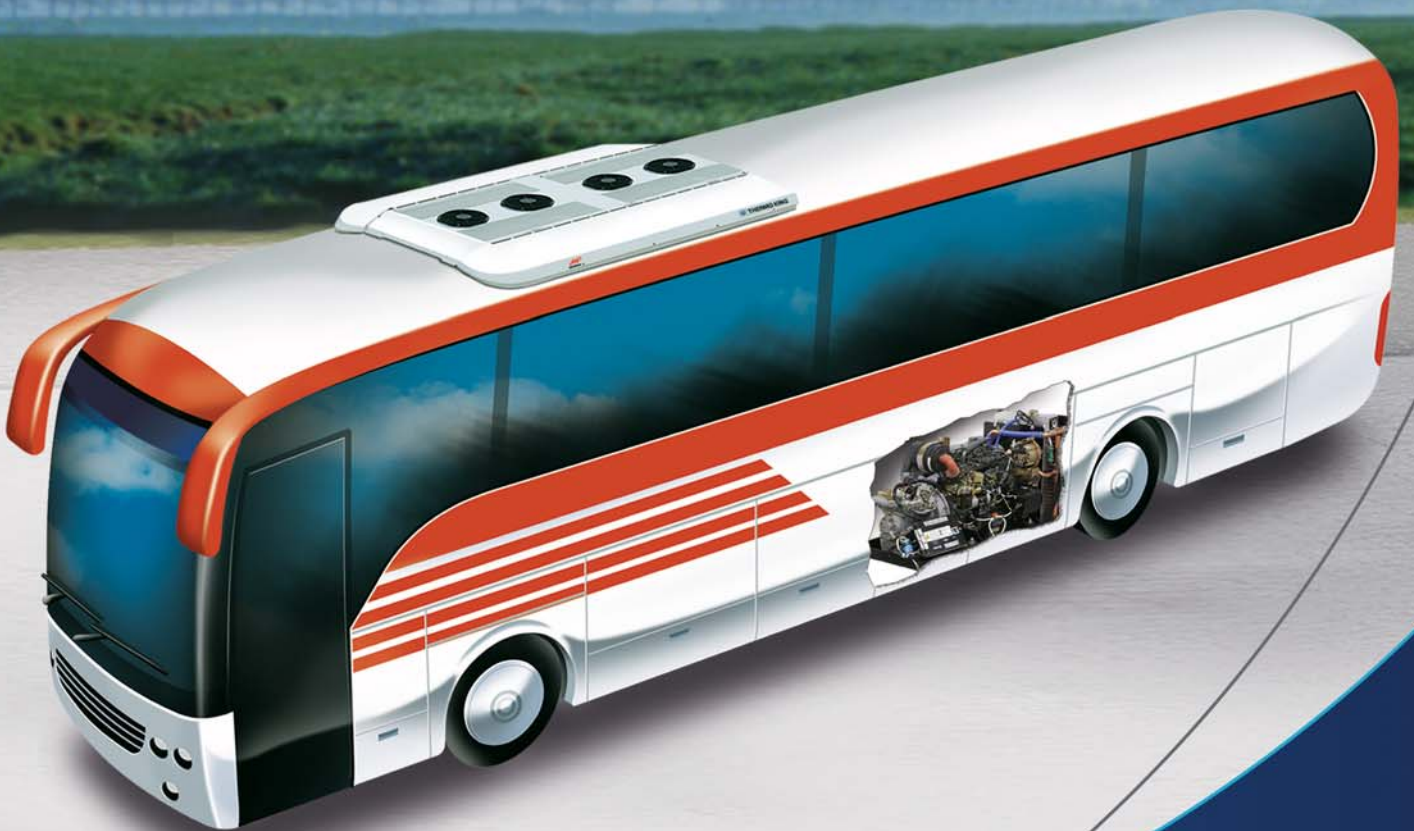




Bus A/C Power Pack
With GreenTech engine TK486/V



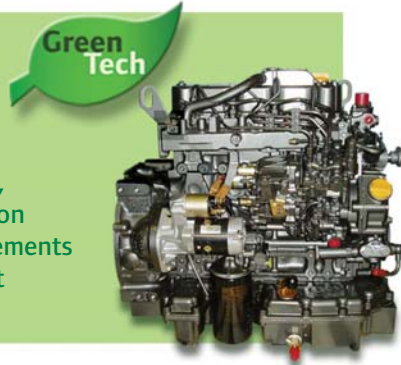
Independent power for bus air conditioning system.

- Thermo King compressor and TK486/V engine are designed specifically for transport temperature control service
- Thermo King TK486/V engine designed for very long life and low fuel consumption
- Lower sound level and lighter weight than previous power packs
- All maintenance items on one side of engine for easy access
- Field supported by the industry's largest worldwide service organisation

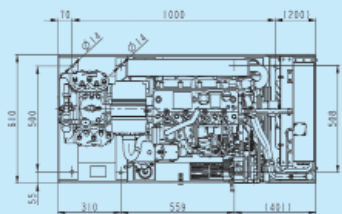
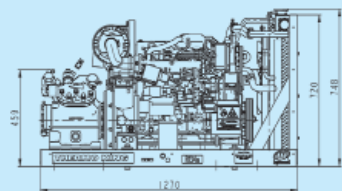


Reduced emissions

The GreenTech symbol is your guarantee that the Bus A/C Power Pack features the environmentally friendly TK486V engines. You and your customers can breathe easier, knowing that you have an ultra-low emission engine which exceeds all known EU requirements and is substantially cleaner than equivalent competitor engines.



Dimensions millimetres



Bus A/C Power Pack TK486/V Specification

Description

TK486/V Power Pack is used where independent operation of the bus air conditioning system is preferred rather than being powered from the vehicle engine. The power pack normally mounts under the side of the bus, either road side or curb side.

TK 486/V Diesel Engine

- **Engine Yanmar:** Type: 4-cycle, vertical in-line, with overhead valves
- **Combustion System:** Direct injection with high top ring piston design
- **Cylinders:** 4
- **Displacement:** 2091 cm³
- **Bore/Stroke:** 86 mm x 90 mm
- **Power Rating (Continuous):** 25.3 kW/2200 RPM
- **Compression Ratio:** 18:1
- **Maximum Torque:** 128 Nm (2000 RPM)
- **Lubrication System:** Pressurised gerotor pump, with two stage screw-on filter
- **Oil Capacity:** 12 l (big oil sump with easy oil access and bleeding)
- **Cooling System:** Pressurised, centrifugal water pump with roller bearing, automotive thermostat and fin and tube radiator
- **Fuel System:** Mono-Plunger & Distributor type diesel injection pump (MP Pump), transfer pump and electric fuel shutoff solenoid
- **Electrical System:** 2.3 kW gear reduction starter
- **Service Interval:** 3000 hours oil change and filter change

Engine Controls and Protection Devices

- 12V DC controls standard
- On-Off power switch
- Automatic Preheat/Start sequence
- Hourmeter

- Low oil pressure cutout
- High coolant temperature cutout
- Reset switch
- 130 amp alternator output fuse

Engine Accessories

- Heavy-duty dry type air cleaner
- Side branch resonator
- Water separator fuel filter
- Screw-on full flow oil filter
- Expansion tank coolant level sight glass

Compressor

- **Compressor Type:** 4-cylinder, V-Type reciprocating
- **Displacement:** X430-30.0 cu. in. (492cc)
- **Cylinder Unloaders:** Unloads 2 cylinders for low speed unloaded cool operation
- **Construction:** Lightweight, aluminum alloy body, heads and sump with replaceable cylinder liners
- **Oil Pump:** Gerotor type
- **Oil Charge:** 134 oz. (3.96 litre)
- **Oil Type:** Ester: TK Part No. 203-413 (R-134a, R-407c)
- **Refrigerant:** R-134a, R-407c

125 amp, 27V DC Batteryless Alternator

The 125 amp batteryless alternator provides power to operate the Thermo King bus air conditioning unit fan motors and controls. A built-in regulator and electronic components control alternator output voltage over the range of rpm and load conditions.

Optional Equipment

12V DC controls with 35 amp battery charging alternator (charge independent diesel power pack batteries)

Weight

Power pack (total): 400 kg (882 lbs.)

Worldwide service organisation

Thermo King backs its equipment and customers with a highly trained, worldwide service organisation. This assures you the support of factory authorised service and shop facilities, a stock of factory parts and factory trained mechanics.

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