



*Direct Drive Unit  
KV-300II*



# Lower investment & operational cost

## World class service & support



Direct Drive Unit KV-300II

### Key features

- Super temperature control for small trucks and vans
- Unique driver's cab A/C function
- Slim & compact platform
- Quick pull down and accurate temperature control
- Easy maintenance, service and installation

#### System components

- Condenser
- Slim Evaporator
- In-Cab Control Box with Digital LED Thermometer(Standard)
- Thermo King TM-16 XD Compressor (Standard)
- Evaporator Drain Heater (Standard)
- Electric Standby (Optional)

#### A/C Function

- Duty Cycle ControlTM
- One Compressor,dual function
- Enhanced load refrigerlion
- Optimum Cab air-conditioning

#### Evaporator blower performance

- Air flow volume:  
Host evaporator:  
618 cu.ft/min(1,500m<sup>3</sup>/hr)

#### Compressor engine driven

- Number of cylinders: 6
- Displacement: 9.94 cu.in.(162.9cm<sup>3</sup>)
- Maximum recommended speed: 2,400 rpm

#### Defrost

- Automatic hot gas defrost/manual defrost

#### Total current consumption on the road

12VDC	24VDC	Remark
32A	16A	(W/O Cab A/C)
34A	17A	(W Cab A/C)

#### Electric motors

- 12V DC / 24V DC

#### Refrigerant

- HFC R-404A (1.8 kg)

#### Dimenions

##### Condenser:

1023mmLx435mmWx316mmH

##### Evaporator:

1098mmLx706mmWx149mmH

##### Controller:

148mmLx87mmWx27mmH

##### TM16Compressor:

245mmLx135mm Maximal diameter

##### Stand by Power unit:

435mmLx355mmWx300mmH

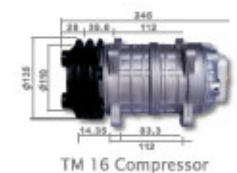
##### Stand by Control Unit:

300mmLx160mmWx300mmH

#### Weights(approximate)

Condenser	30 kg
Evaporator	24 kg
TM 16 Compressor	4.6 kg
Standby Power Unit	38 kg
Standby Control Unit	19 kg

#### Dimensions(millimeters)

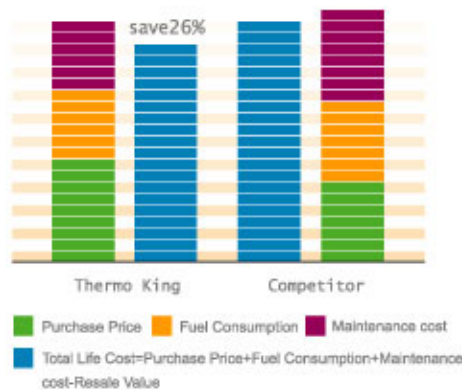


## QUICK SELECTION CHART

Temp.Range (°F/°C)	35°F(2°C)	0°F(-18°C)	-20°F(-29°C)
Insulation (mm)	50	75	100
Truck Body size(m)			
2.0	Light Blue	Medium Blue	Dark Blue
2.5			
3.0			
3.5		White	
4.0			
4.5			
5.0			

• Ambient temp 38°C

## Total Life Cost



## Refrigeration capacity-European Standard

Ambient temperature 30°C

@30°C Ambient temperature and compressor  
@1800 RPM

Air Return	Watts	BTU/hr	Kcal/hr
Engine Power			
0°C	3980	13,590	3,425
-20°C	1900	6,490	1,635
-25°C	1250	4,270	1,075
Electric Standby (230/380V, 50/60 Hz)			
0°C	3400	11,610	2,925
-20°C	1500	5,120	1,290
-25°C	980	3,350	840

## Refrigeration capacity-American Standard

Ambient temperature 38°C

@38°C Ambient temperature and compressor  
@1800 RPM

Air Return	Watts	BTU/hr	Kcal/hr
Engine Power			
2°C	3,700	12,670	3,190
-18°C	1,740	6,000	1,500
-29°C	855	2,920	735
Electric Standby (230/380V, 50/60 Hz)			
2°C	3,100	10,500	2,660
-18°C	1,350	4,600	1,160
-29°C	660	2,250	570

## Save energy, save fuel...

You want performance to protect your load and power to accelerate your cycle times. But at what price?

The combination of price together with fuel costs, maintenance costs and resale value defines the equipment's Total Life Cost. The low fuel consumption, fixed cost maintenance contracts and superior resale value mean you can have the best for less.

## 24hour assistance from the best worldwide dealer network



### Warranty Summary

Terms of the Thermo King Express Warranty are available on request. The unit and its components are warranted to be free from defects in material and workmanship from date in service according to the terms (in months) as specified in the Thermo King Express Warranty. Manufacturer is not responsible and will not be held liable in contract or tort (including strict liability and negligence) for any special, indirect or consequential damages including but not limited to injury or damage caused to vehicles, contents or persons, by reason of the installation or use of any Thermo King product or its mechanical failure.



Providing equipments and services to manage controlled-temperature environments for food and other perishables, our Climate Control Technologies sector encompasses both transport and stationary refrigeration solutions. Our product brands include Thermo King<sup>®</sup>, a world leader in transport temperature control systems, and Hussmann<sup>®</sup> a manufacturer of refrigeration and food merchandising equipment.

[www.thermoking.com](http://www.thermoking.com)   [www.hussmann.com](http://www.hussmann.com)   [www.ingersollrand.com](http://www.ingersollrand.com)

For further information please contact: