

# YQZ500



## DESCRIPTION

Kingtec YQZ500 units are designed for fresh and frozen applications on the 15~40m<sup>3</sup> medium refrigerator trucks and vans. Integrative structure is easy to install, super-thin evaporator design compared to the traditional product goods loaded more. The road compressor is powered by the vehicle engine.

## SYSTEM COMPONENTS

- Integrated condenser and evaporator assembly
- Road compressor (With magnetic clutch)
- In cab control box and wiring harness

## REFRIGERENT (CHLORINE ZERO)

- YQZ500 (R404A): HFC R404A 1.5kg
- YQZ500 (R134a): HFC R134a 1.6kg

## ROAD COMPRESSOR

- YQZ500 compressor : QP16 (163cc);
- Max recommend RPM: 3000rpm

## AIRFLOW VOLUME

- YQZ500 Evaporator: 1650m<sup>3</sup>/h (970 cu ft/min)

## DEFROST

- Automatic hot gas defrost

## WEIGHTS

- YQZ500 Integrated condenser and evaporator: 98kg

Refrigeration capacity  
conditions @ 30°C(86°F) ambient  
road compressor 2400 rpm  
atp standard

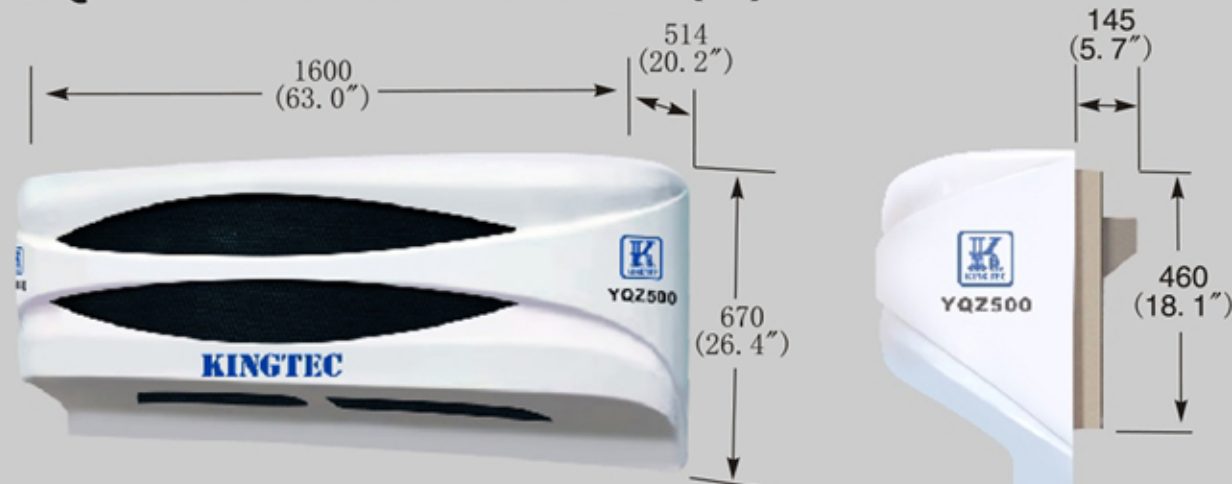


Conditions @ 38°C(100°F) ambient  
Road compressor 2400rpm  
National-standard

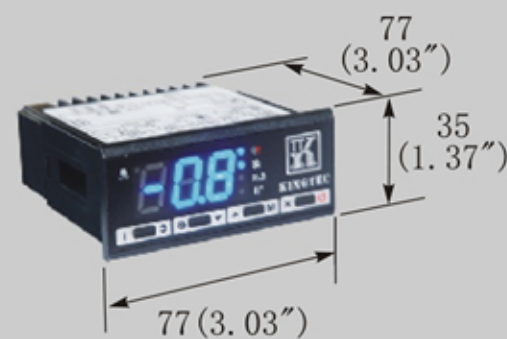


YQZ500 (R404A)			YQZ500 (R404A)		
Air return/on the road	Watts	BTU/hr	Air return/on the road	Watts	BTU/hr
0°C (32°F)	4920	16728	2°C (35°F)	4730	16082
-20°C (-4°F)	2838	9649	-18°C (0°F)	2762	9391
YQZ500 (R134a)			YQZ500 (R134a)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	3810	13000	2°C (35°F)	3700	12600
-20°C (-4°F)	1758	6000	-18°C (0°F)	1680	5700

## YQZ500 DIMENSION : mm(in)



## YQZ500 Integrated condenser and evaporator



LAE Controller

## WARRANTY SUMMARY

Specific terms of the Kingtec express warranty are available on request. Further, Kingtec excludes liability in contract and tort (including strict liability and negligence) for any special, indirect or consequential damages by reason of the installation or use of any covered product or its mechanical failure.





# YQZ500E



## DESCRIPTION

Kingtec YQZ500E units are designed for fresh and frozen applications on the 15~40m<sup>3</sup> medium refrigerator trucks and vans. Integrative structure is easy to install, super-thin evaporator design compared to the traditional product goods loaded more. The road compressor is powered by the vehicle engine and while a second compressor is powered by an electric motor, making it possible to use electric standby to drive the unit. The stand-by unit is installed on the on the skirt of the truck or vans.

## SYSTEM COMPONENTS

- Integrated condenser and evaporator assembly
- Road compressor (With magnetic clutch)
- Electric stand-by assembly
- In cab control box and wiring harness

## REFRIGERENT (CHLORINE ZERO)

- YQZ500E (R404A): HFC R404A 1.5kg
- YQZ500E (R134a): HFC R134a 1.6kg

## ROAD COMPRESSOR

- YQZ500E compressor : QP16 (163cc);
- Max recommend RPM: 3000rpm

## AIRFLOW VOLUME

- YQZ500E Evaporator: 1650m<sup>3</sup>/h (970 cu ft/min)

## DEFROST

- Automatic hot gas defrost

Total stand-by current consumption

	YQZ500E
220V/1Phase/50Hz	19.6A
230V/1Phase/60Hz	19.6A
115V/1Phase/60Hz	39A
230V/3Phase/50Hz	11.2A
230V/3Phase/60Hz	13.5A
400V/3Phase/50Hz	8.2A

## WEIGHTS

- YQZ500 Integrated condenser and evaporator: 98kg
- YQZ500(E) Electrical stand-by assembly: 60kg

## WARRANTY SUMMARY

Specific terms of the Kingtec express warranty are available on request. Further, Kingtec excludes liability in contract and tort (including strict liability and negligence) for any special, indirect or consequential damages by reason of the installation or use of any covered product or its mechanical failure.

Refrigeration capacity conditions @ 30°C(86°F) ambient road compressor 2400 rpm atp standard

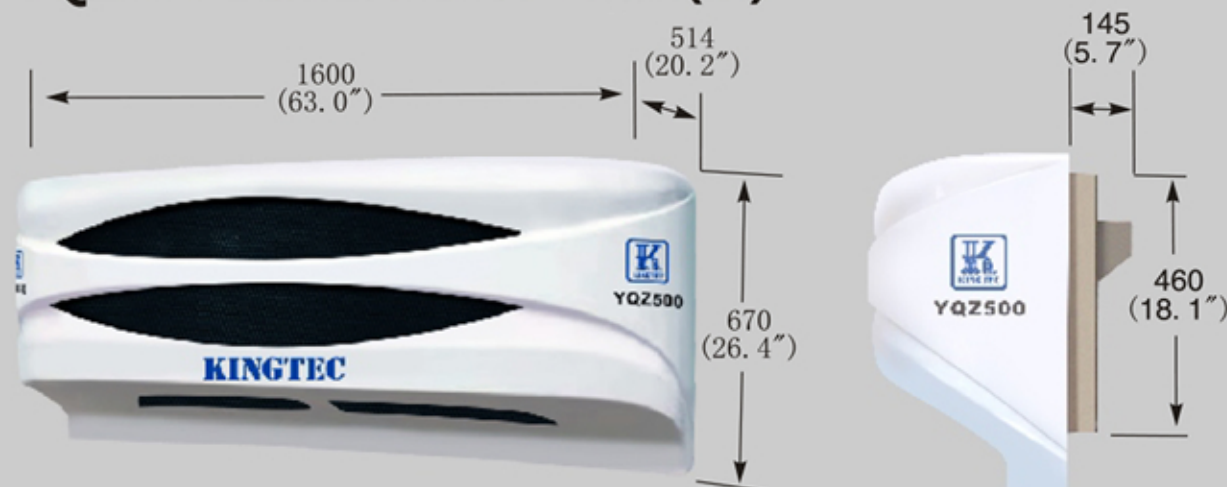


Conditions @100°F(38°C) Ambient and 2400 compressor rpm US-standard



YQZ500E (R404A)			YQZ500E (R404A)		
Air return/on the road	Watts	BTU/hr	Air return/on the road	Watts	BTU/hr
0°C (32°F)	4920	16728	2°C (35°F)	4730	16082
-20°C (-4°F)	2838	9649	-18°C (0°F)	2762	9391
Electric stand-by 50Hz	Watts	BTU/hr	Electric stand-by 50Hz	Watts	BTU/hr
0°C (32°F)	3380	11525	2°C (35°F)	3200	10900
-20°C (-4°F)	1750	5970	-18°C (0°F)	1630	5560

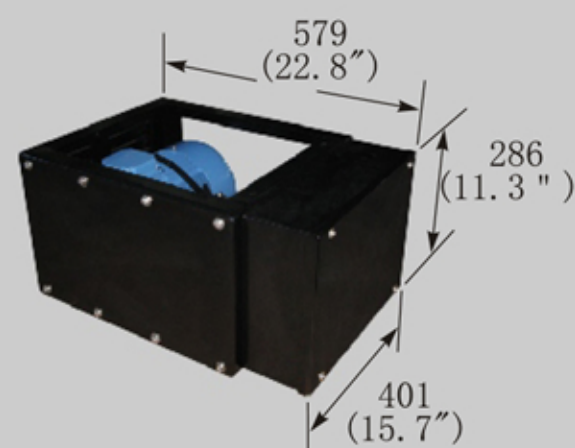
## YQZ500 DIMENSION : mm(in)



YQZ500 Integrated Condenser Evaporator



LAE Controller



YQZ500 Electrical stand-by assembly