



**TRANSPORT
REFRIGERATION UNIT**

MK-358

MK-358



DESCRIPTION

Kingtec MK-358 series units are designed for fresh and frozen applications on the 6~19m³ mini refrigerator trucks. The road compressor is powered by the vehicles engine and while a second compressor is powered by an electric motor. The stand-by units are installed on the skirt of the truck.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Swash plate road compressor (With magnetic clutch)
- In cab control box and wiring harness
- Optional heating function: (Hot Gas Heating System or Engine Water Heating System)

REFRIGERENT (CHLORINE ZERO)

- MK-358 (R404A: HFC R404A 1.3kg)
- MK-358 (R134a: HFC R134a 1.4kg)

ROAD COMPRESSOR (ENGINE DRIVEN)

- Swash plate road compressor / 6cylinder
- Select Tm16 (162cc)
- Max recommended speed: 3000rpm
- Includes oil return separator

AIRFLOW VOLUME

- EVK350 Evaporator: 1600m³ /h (940 cu ft/min)

ELECTRICAL SPECIFICATION OPTIONS

- DC voltage options: DC12V or DC24V
- Total current consumption on the road (Road compressor)

	DC12V	DC24V
MK-358	38A	19A

WEIGHTS

- MK-358 Condenser Assembly : 35Kg
- EVK350 Evaporator Assembly : 26Kg

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



Conditions @ 100°F(38°C) ambient and 2400 compressor pm US-standard



MK358 (R404A)			MK358 (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	4420	15000	2°C (35°F)	4150	14100
-20°C (-4°F)	2380	8100	-18°C (0°F)	2200	7500
MK358 (R134a)			MK358 (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

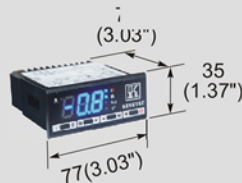
DIMENSIONS: mm (Inch)



MK-358 Condenser assembly



EVK350C evaporator



LAE Control Panel



COMPRESSOR

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.



MK358E



DESCRIPTION

Kingtec MK358E series units are designed for fresh and frozen applications on the 6~19m³ mini refrigerator trucks. The road compressor is powered by the vehicle engine and while a second compressor is powered by an electric motor. The stand-by units are installed on the skirt of the truck.

SYSTEM COMPONENTS

- Condenser assembly
- Evaporator assembly
- Swash plate road compressor (With magnetic clutch)
- In cab control box and wiring harness
- Optional heating function: (Hot Gas Heating System or Engine Water Heating System)

REFRIGERENT (CHLORINE ZERO)

- MK358E (R404A: HFC R404A 1.3kg)
- MK358E (R134a: HFC R134a 1.4kg)

ROAD COMPRESSOR (ENGINE DRIVEN)

- Swash plate road compressor / 6cylinder
- Select Tm16 (162cc)
- Max recommended speed: 3000rpm
- Includes oil return separator

AIRFLOW VOLUME

- EVK350 Evaporator: 1600m³ /h (940 cu ft/min)

ELECTRICAL SPECIFICATION OPTIONS

- DC voltage options: DC12V or DC24V
- Total current consumption on the road (Road compressor)

	DC12V	DC24V
MK-358E	38A	19A

Total stand-by current consumption

	MK358E
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

- MK-358 Condenser Assembly: 35Kg
- EVK350 Evaporator Assembly: 26Kg
- MK-358 Electrical stand-by assembly: 65Kg

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



Conditions @ 100°C(38°F) ambient and 2400 compressor pm US-standard



MK-358E (R404A)			MK-358E (R404A)		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	4420	15000	2°C (35°F)	4150	14100
-20°C (-4°F)	2380	8100	-18°C (0°F)	2200	7500
Electric stand-by 50Hz			Electric stand-by 60Hz		
Air return/ on the road	Watts	BTU/hr	Air return/ on the road	Watts	BTU/hr
0°C (32°F)	3400	11600	2°C (35°F)	3160	10750
-20°C (-4°F)	1750	6000	-18°C (0°F)	1630	5540
MK-358E (R134a)			MK-358E (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

DIMENSIONS: mm (Inch)



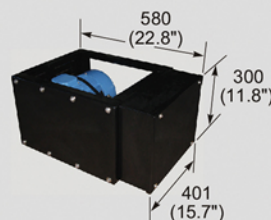
MK-358 Condenser assembly



EVK350C evaporator



LAE Control Panel



Stand-by assembly



COMPRESSOR

WARRANTY SUMMARY

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