

MK-858

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

MK-858 (R404A)		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	8150	27800
-20°C (-4°F)	4520	15400
Electric stand-by 60Hz	Watts	BTU/hr
0°C (32°F)	6500	22165
-20°C (-4°F)	3320	11320

Conditions at 38°C (100°F) ambient and 2400 compressor rpm US-standard

MK-858 (R404A)		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	7900	27040
-18°C (0°F)	4300	14660
Electric stand-by 60Hz	Watts	BTU/hr
	6250	21320
	3160	10775



MK-358/558/658/858/958

TRANSPORT REFRIGERATION UNITS

DESCRIPTION
Kingtec MK-358/MK-558/MK-658/MK-858/MK-958 series units are designed for frozen and fresh applications on the 6~60m³ refrigeration trucks. The road compressor is powered by the vehicle engine. While the unit with a second compressor it is powered by an electric motor. The stand-by unit is 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-558 (R404A): HFC R404A 2.1kg
MK-658 (R404A): HFC R404A 2.4kg
MK-858 (R404A): HFC R404A 4.5kg
MK-958 (R404A): HFC R404A 4.5kg

ROAD COMPRESSOR (ENGINE DRIVEN)
Swash plate road compressor
MK-358 compressor:QP16(162cc)
MK-558 / MK-658 compressor:QP21(215cc)
MK-858 / MK-958 compressor:QP31(313cc)
Max recommended speed: 3000rpm
Includes oil return separator

DEFROST SYSTEM
Automatic Hot Gas Defrost

AIRFLOW VOLUME
EVK350 Evaporator 1600m³ /h (940 cu ft/min)
EVK500 Evaporator 2400m³ /h (1410 cu ft/min)
EVK650 Evaporator: 2750m³ /h (1618 cu ft/min)
EVK1600 Evaporator: 3900m³ /h (2300 cu ft/min)

ELECTRICAL SPECIFICATION
DC voltage options: DC12V or DC24V
Total current consumption on the road (Road Compressor)

WEIGHTS (APPROXIMATE)
MK-358 Condenser assembly: 38kg

EVK350 Evaporator assembly: 22kg
MK-358 Electrical standby assembly: 60kg
MK-558 Condenser assembly: 70kg
EVK500 Evaporator assembly: 35kg
MK-558 Electrical standby assembly: 80kg
MK-658 Condenser: 70kg
MK-658 electrical stand-by assembly: 80kg
EVK650 Evaporator: 45kg
MK-858 Condenser: 80kg
MK-958 Condenser: 70kg
MK-858 / MK-958 electrical stand-by assembly: 80kg
EVK1600 Evaporator: 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.



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