

# MK-958

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



## MK-958 (R404A)

Air return/on the road	Watts	BTU/hr
0°C (32°F)	9860	33650
-20°C (-4°F)	5470	18640
Electric stand-by 60Hz	Watts	BTU/hr
0°C (32°F)	7865	26820
-20°C (-4°F)	4020	13700

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



## MK-958 (R404A)

Air return/on the road	Watts	BTU/hr
2°C (35°F)	9600	32860
-18°C (0°F)	5160	17590
Electric stand-by 60Hz	Watts	BTU/hr
2°C (35°F)	7650	25800
-18°C (0°F)	3825	13040

### DIMENSIONS: mm (Inch)



## 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 6-60m<sup>3</sup> 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 1600m<sup>3</sup> /h (940 cu ft/min)  
EVK500 Evaporator 2400m<sup>3</sup> /h (1410 cu ft/min)  
EVK650 Evaporator: 2750m<sup>3</sup> /h (1618 cu ft/min)  
EVK1600 Evaporator: 3900m<sup>3</sup> /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.



## TRANSPORT REFRIGERATION UNITS

## MK-358/MK-558/MK-658/MK-858/MK-958

KINGTEC GROUP CO., LTD.



#### KINGTEC GROUP CO., LTD.

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# MK-358

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



MK-358 (R404A)		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	4420	15000
-20°C (-4°F)	2380	8100
Electric stand-by 60Hz		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	3400	11600
-20°C (-4°F)	1750	6000

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



MK-358 (R404A)		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	4150	14100
-18°C (0°F)	2200	7500
Electric stand-by 60Hz		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	3160	10750
-18°C (0°F)	1630	5540

**DIMENSIONS: mm (Inch)**

MK-358 Condenser assembly      MK-358 Stand-by assembly

Control Panel

EVK350C Evaporator      Compressor

# MK-658

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



MK-658 (R404A)		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	6500	22165
-20°C (-4°F)	3500	11935
Electric stand-by 60Hz		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	5200	17730
-20°C (-4°F)	3060	10460

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



MK-658 (R404A)		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	6200	21140
-18°C (0°F)	3350	11425
Electric stand-by 60Hz		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	4870	16620
-18°C (0°F)	2790	9520

**DIMENSIONS: mm (Inch)**

MK-658 Condenser assembly      MK-658 Stand-by assembly

Control Panel

EVK650 Evaporator      Compressor

# MK-558

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



MK-558 (R404A)		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	5480	18700
-20°C (-4°F)	3350	11430
Electric stand-by 60Hz		
Air return/on the road	Watts	BTU/hr
0°C (32°F)	4450	15180
-20°C (-4°F)	2350	8020

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



MK-558 (R404A)		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	5080	17330
-18°C (0°F)	2920	9960
Electric stand-by 60Hz		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	4020	13700
-18°C (0°F)	2000	6800

**DIMENSIONS: mm (Inch)**

MK-558 Condenser assembly      MK-558 Stand-by assembly

Control Panel

EVK500 Evaporator      Compressor

# 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		
Air return/on the road	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		
Air return/on the road	Watts	BTU/hr
2°C (35°F)	6250	21320
-18°C (0°F)	3160	10775

**DIMENSIONS: mm (Inch)**

MK-858 Condenser assembly      MK-858 Stand-by assembly

Control Panel

EVK1600 Evaporator      Compressor