

Modular Full DC Inverter Heat Pump

Without Hydraulic Kit

PRODUCT SHEET



KCCHT-06 MODBUS
Standard control with Modbus
protocol gateway. Included as
standard

Product certified by:

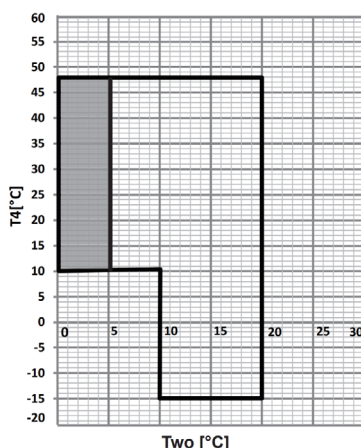


FEATURES

Model	KEM-HT-50 DR55
Cooling capacity	50,25 kW
Cooling power input	14,45 kW
Heating capacity	49,60 kW
Heating power input	12,26 kW
EER / COP	3,48 / 4,05
SEER	5,00
SCOP (average zone water 35 °C) - Energy class	4,50 - A+++
Compressor type / No. compressors	EVI Scroll Inverter / 1
No. fans	2
Air flow	22.000 m ³ /h
Sound pressure	64 dB(A)
Factory load	9 kg
Water flow	8,60 m ³ /h
Hydraulic connections	2"
Power supply	380-415 V / 3 / 50 Hz

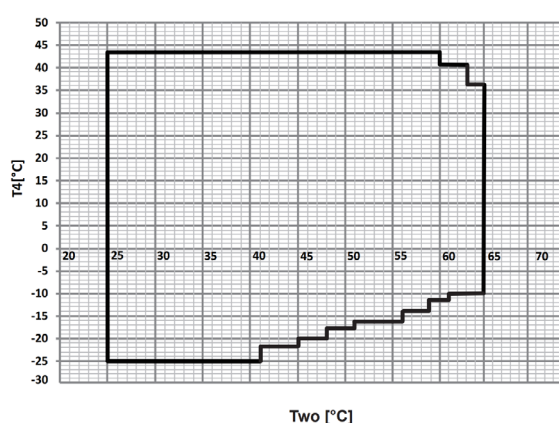
OPERATING LIMITS

Cooling mode



*To reach 65°C in supply air,
the unit must be fitted with an
external inverter pump.

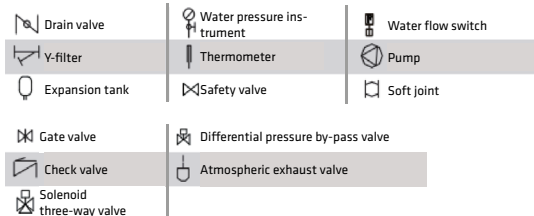
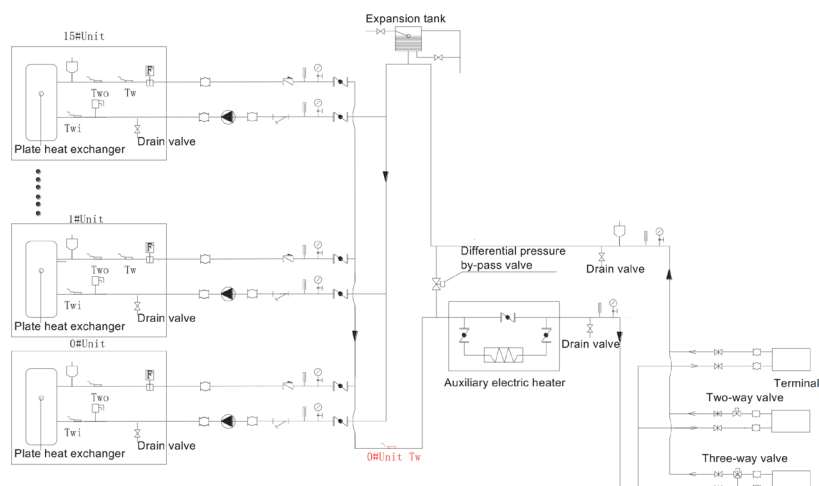
Heating mode



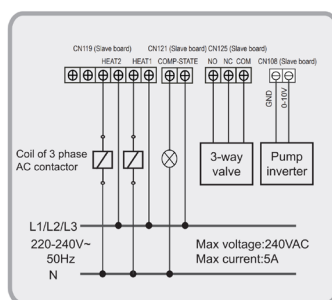
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Edition 2024/05

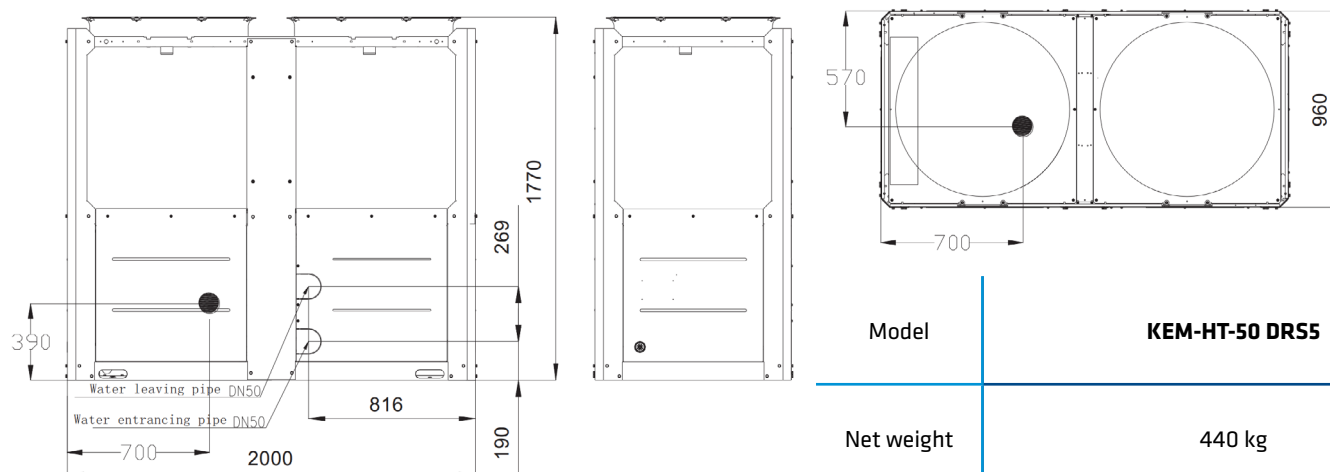
INSTALLATION COMPONENTS



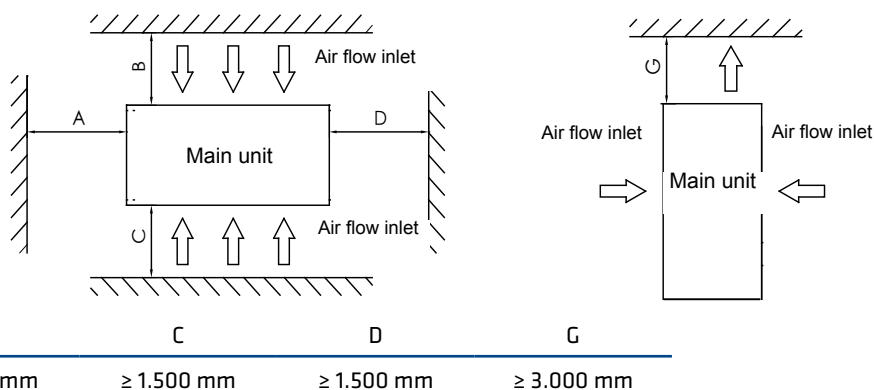
WIRING DIAGRAM



DIMENSIONS OF UNIT



INSTALLATION



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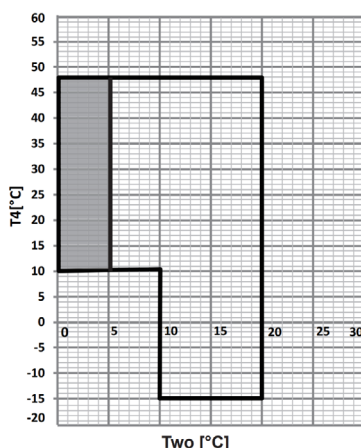


FEATURES

Model	KEM-HT-65 DR55
Cooling capacity	57 kW
Cooling power input	19,00 kW
Heating capacity	65 kW
Heating power input	18,30 kW
EER / COP	3,00 / 3,55
SEER	5,00
SCOP (average zone water 35 °C) - Energy class	4,50 - A+++
Compressor type / No. compressors	EVI Scroll Inverter / 1
No. fans	2
Air flow	22.000 m ³ /h
Sound pressure	64 dB(A)
Factory load	9 kg
Water flow	9,8 m ³ /h
Hydraulic connections	2"
Power supply	380-415 V / 3 / 50 Hz

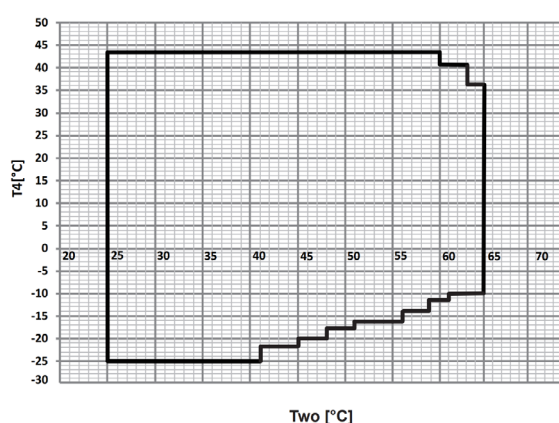
OPERATING LIMITS

Cooling mode



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external inverter pump.

Heating mode



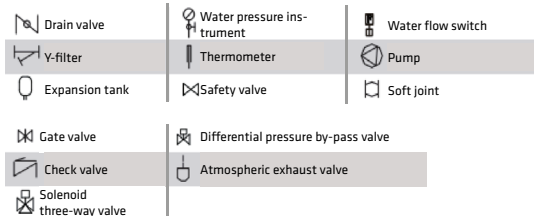
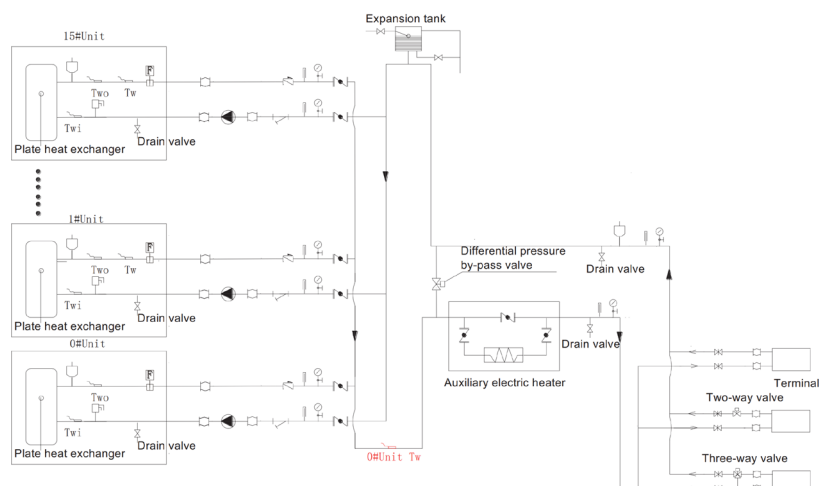
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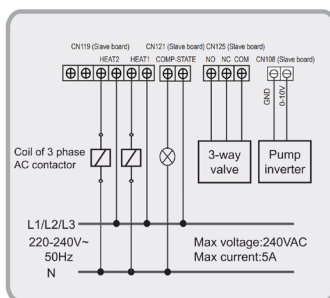
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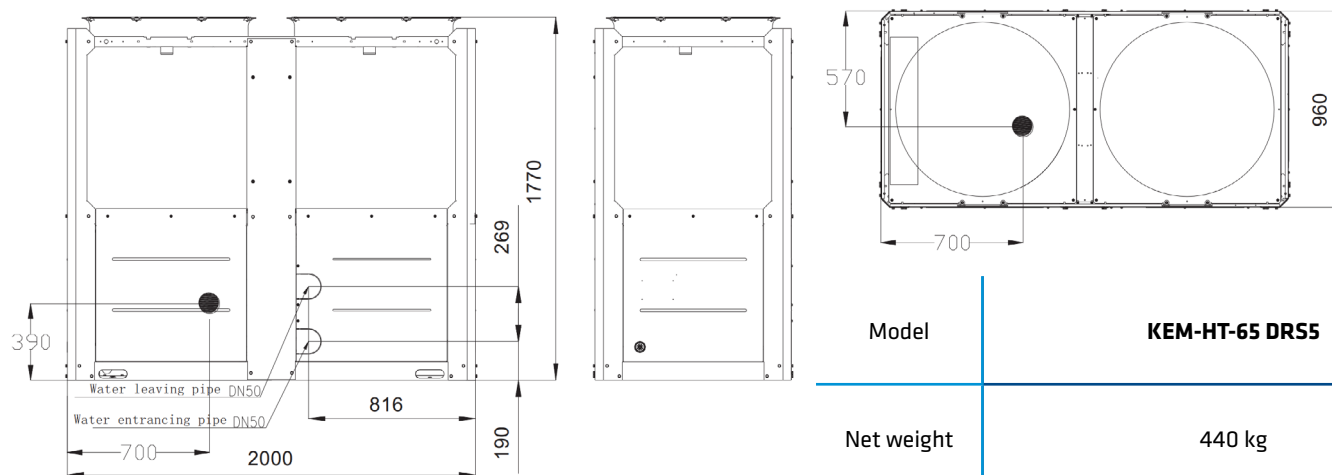
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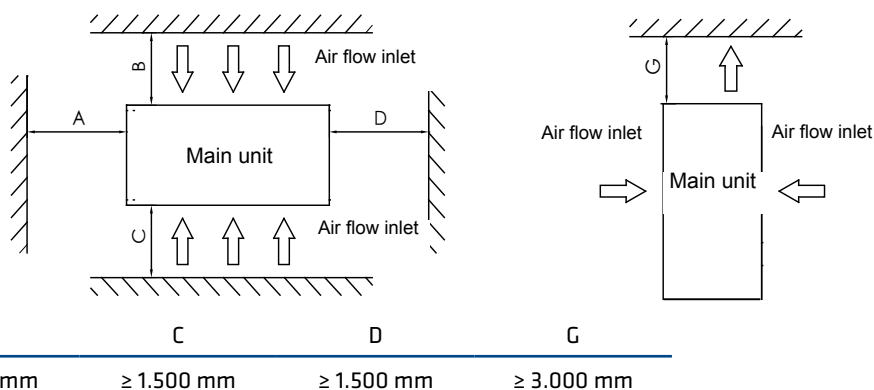
WIRING DIAGRAM



DIMENSIONS OF UNIT



INSTALLATION



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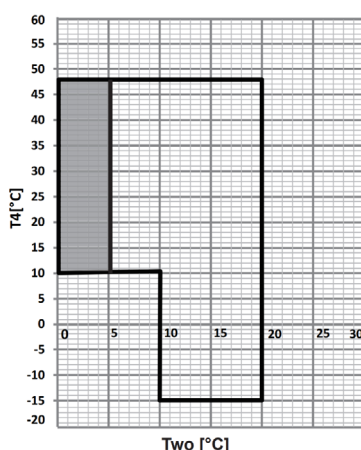


FEATURES

Model	KEM-HT-75 DRSS
Cooling capacity	70 kW
Cooling power input	26,80 kW
Heating capacity	75 kW
Heating power input	22,06 kW
EER / COP	2,61 / 3,40
SEER	5,00
SCOP (average zone water 35 °C) - Energy class	4,50 - A+++
Compressor type / No. compressors	EVI Scroll Inverter / 1
No. fans	2
Air flow	28.500 m ³ /h
Sound pressure	69 dB(A)
Factory load	9 kg
Water flow	12,4 m ³ /h
Hydraulic connections	2"
Power supply	380-415 V / 3 / 50 Hz

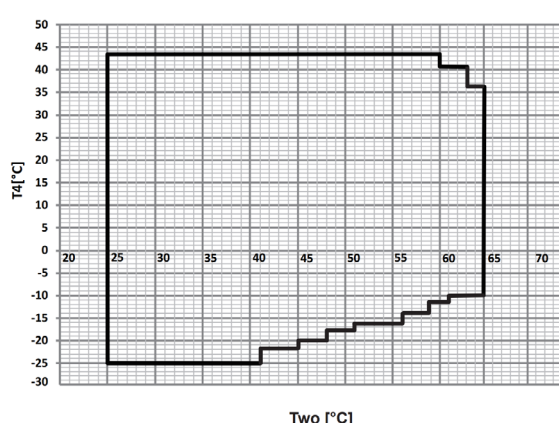
OPERATING LIMITS

Cooling mode



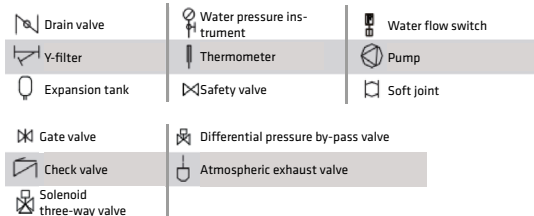
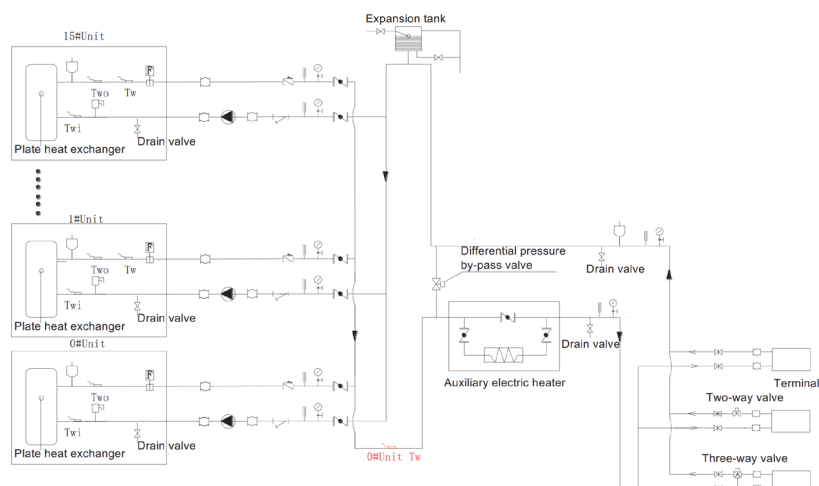
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Heating mode

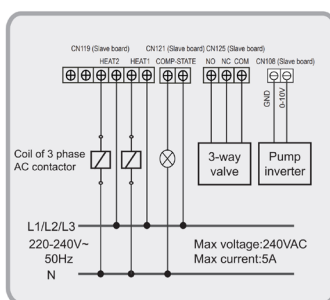


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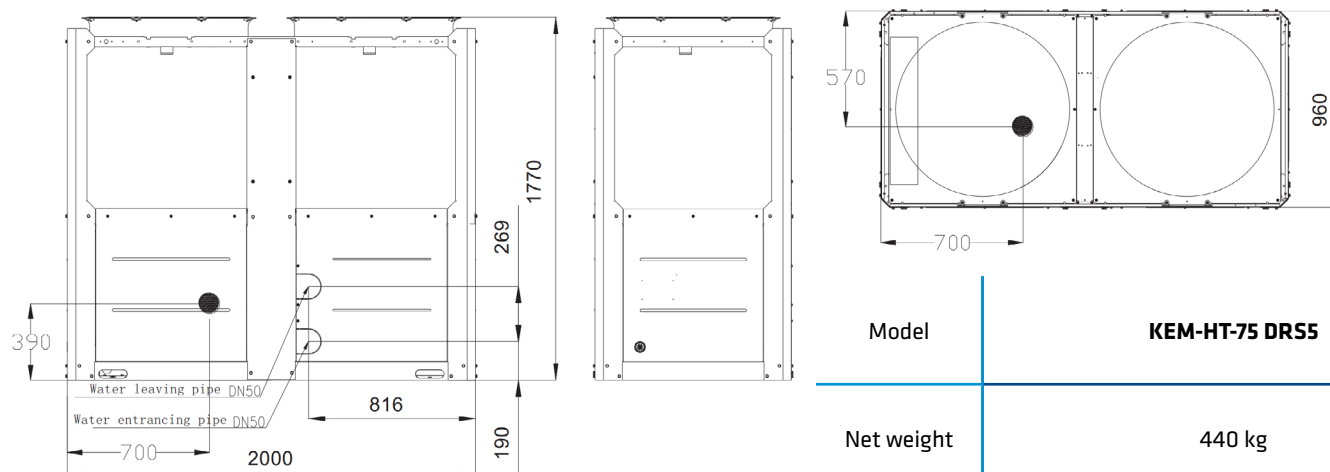
INSTALLATION COMPONENTS



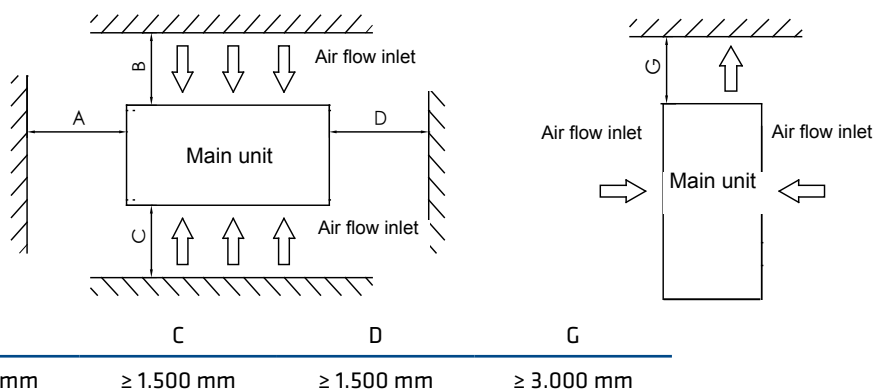
WIRING DIAGRAM



DIMENSIONS OF UNIT



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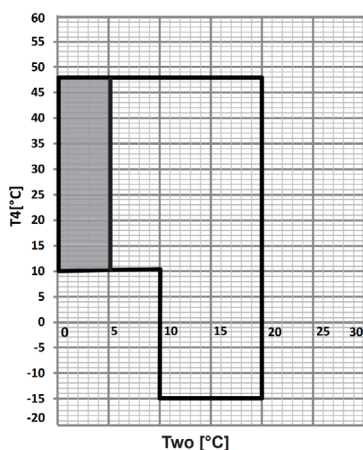


FEATURES

Model	KEM-HT-110 DR55
Cooling capacity	100 kW
Cooling power input	32,78 kW
Heating capacity	110 kW
Heating power input	29,90 kW
EER / COP	3,05 / 3,68
SEER	4,80
SCOP (average zone water 35 °C) - Energy class	4,25 - A++
Compressor type / No. compressors	EVI Scroll Inverter / 2
No. fans	2
Air flow	32.500 m ³ /h
Sound pressure	64 dB(A)
Factory load	11,5 kg / 4,0 kg
Water flow	17,2 m ³ /h
Hydraulic connections	2 1/2"
Power supply	380-415 V / 3 / 50 Hz

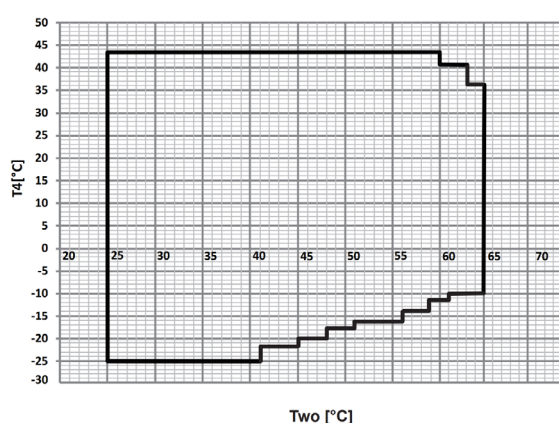
OPERATING LIMITS

Cooling mode



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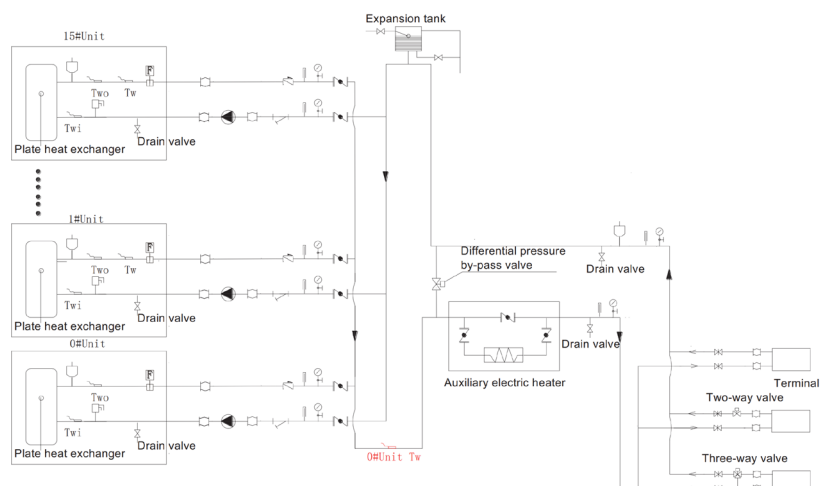
Heating mode



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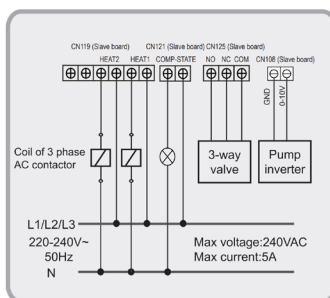
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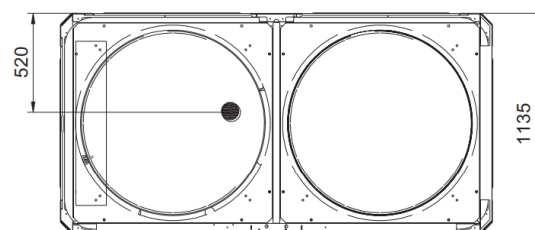
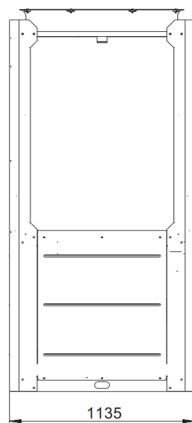
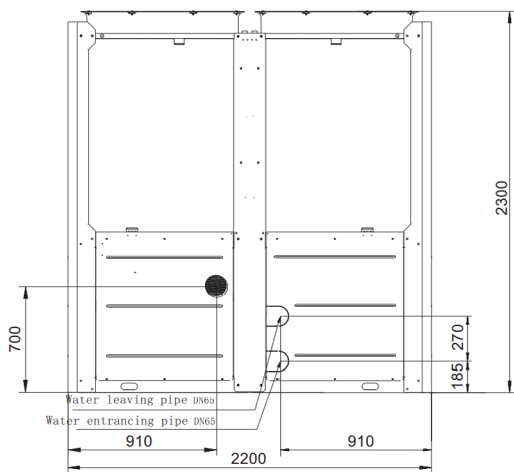


Drain valve	Water pressure instrument	Water flow switch
Y-filter	Thermometer	Pump
Expansion tank	Safety valve	Soft joint
Gate valve	Differential pressure by-pass valve	
Check valve	Atmospheric exhaust valve	
Solenoid three-way valve		

WIRING DIAGRAM

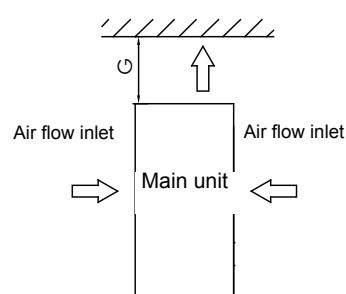
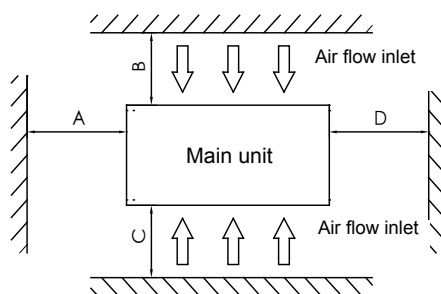


DIMENSIONS OF UNIT



Model	KEM-HT-110 DR55
Net weight	670 kg

INSTALLATION



A	B	C	D	G
≥ 1.500 mm	≥ 1.500 mm	≥ 1.500 mm	≥ 1.500 mm	≥ 3.000 mm

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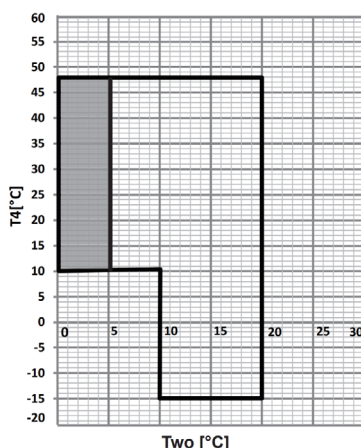


FEATURES

Model	KEM-HT-140 DR55
Cooling capacity	130 kW
Cooling power input	50 kW
Heating capacity	140 kW
Heating power input	44,70 kW
EER / COP	2,60 / 3,13
SEER	4,80
SCOP (average zone water 35 °C) - Energy class	4,25 - A++
Compressor type / No. compressors	EVI Scroll Inverter / 2
No. fans	2
Air flow	50.000 m ³ /h
Sound pressure	73 dB(A)
Factory load	11,5 kg / 4,0 kg
Water flow	22,36 m ³ /h
Hydraulic connections	2 1/2"
Power supply	380-415 V / 3 / 50 Hz

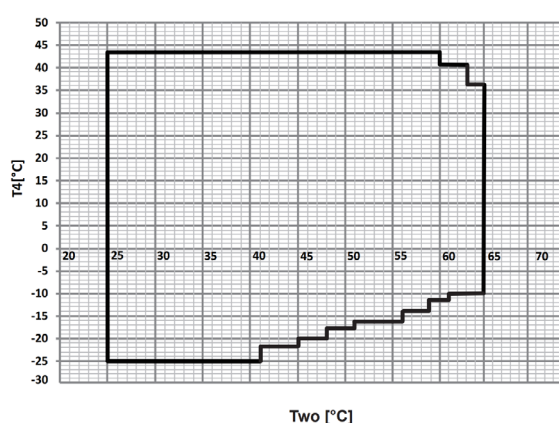
OPERATING LIMITS

Cooling mode



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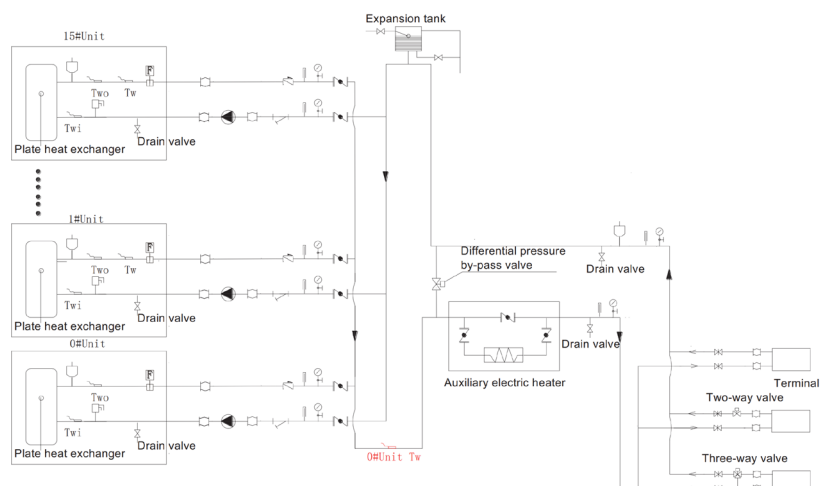
Heating mode



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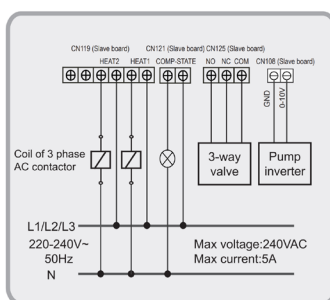
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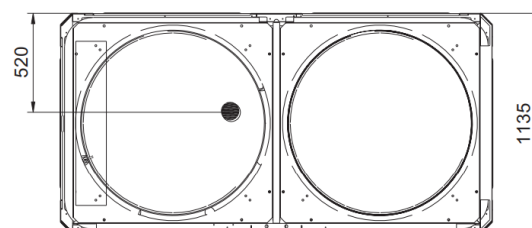
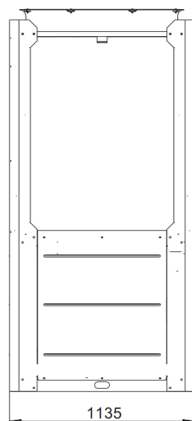
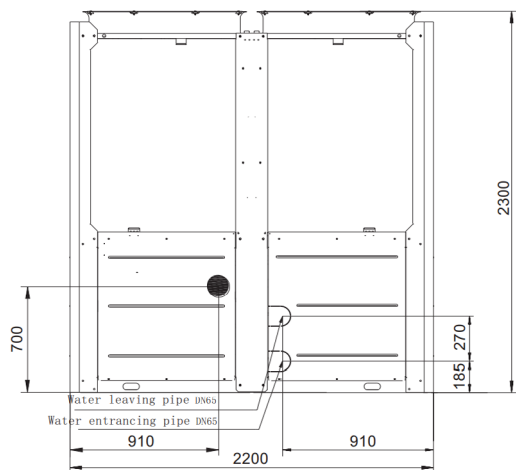


Drain valve	Water pressure instrument	Water flow switch
Y-filter	Thermometer	Pump
Expansion tank	Safety valve	Soft joint
Gate valve	Differential pressure by-pass valve	
Check valve	Atmospheric exhaust valve	
Solenoid three-way valve		

WIRING DIAGRAM

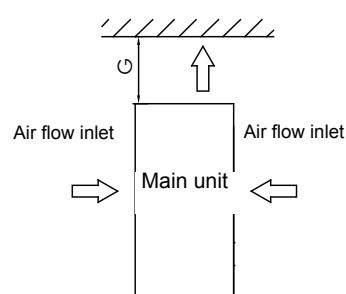
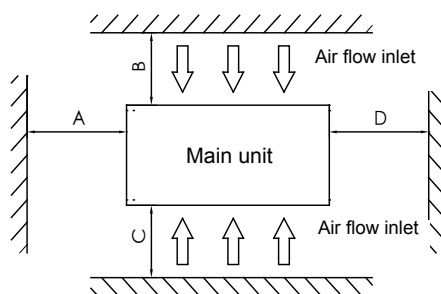


DIMENSIONS OF UNIT



Model	KEM-HT-140 DRS5
Net weight	670 kg

INSTALLATION



A	B	C	D	G
≥ 1.500 mm	≥ 1.500 mm	≥ 1.500 mm	≥ 1.500 mm	≥ 3.000 mm