EN

Aquantia KHPS-MO Monobloc

PRODUCT SHEET





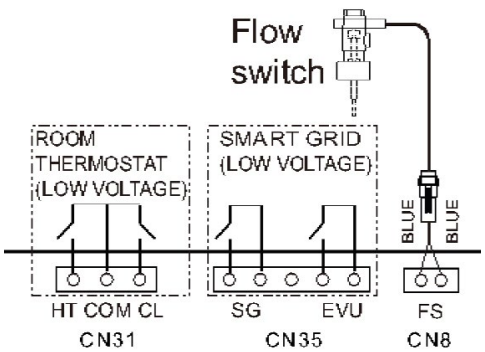
Standard controller

Product certified by: CE

FEATURES

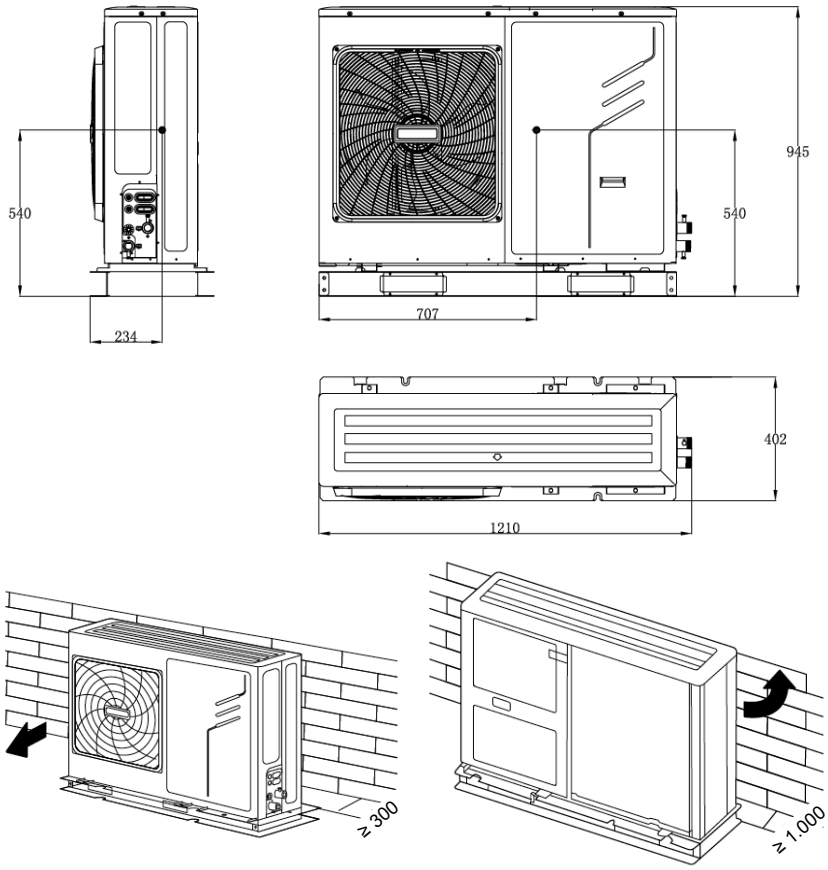
Model	Set	KHPS-MO 5 DVR
	Outdoor unit	**KHP-MO 5 DVR**
Outdoor air 7°C Water 30/35°C	Heating capacity	4,65 kW
	COP	5
Outdoor air 7°C Water 40/45°C	Heating capacity	4,80 kW
	COP	3,60
Outdoor air -7°C Water 30/35°C	Heating capacity	5,88 kW
	COP	2,91
Outdoor air 35°C Water 23/18°C	Cooling capacity	4,60 kW
	EER	4,82
Outdoor air 35°C Water 12/7°C	Cooling capacity	4,85 kW
	EER	2,98
Energy efficiency	SCOP cold zone - Water 35°C	3,40
	SCOP cold zone - Water 55°C	2,50
	SCOP average zone - Water 35°C / Classif.	4,47 / A+++
	SCOP average zone - Water 55°C / Classif.	3,24 / A++
	SCOP warm zone - Water 35°C	5,68
	SCOP warm zone - Water 55°C	3,63
	SEER 7°C	4,71
	SEER 18°C	7,61
Outdoor unit	Sound pressure	48,80 dB(A)
Hydraulic system	Water pump pressure	6 mca
	Water pipe connections	Ø1"
	Minimum water volume	25 L

ELECTRICAL CONNECTION

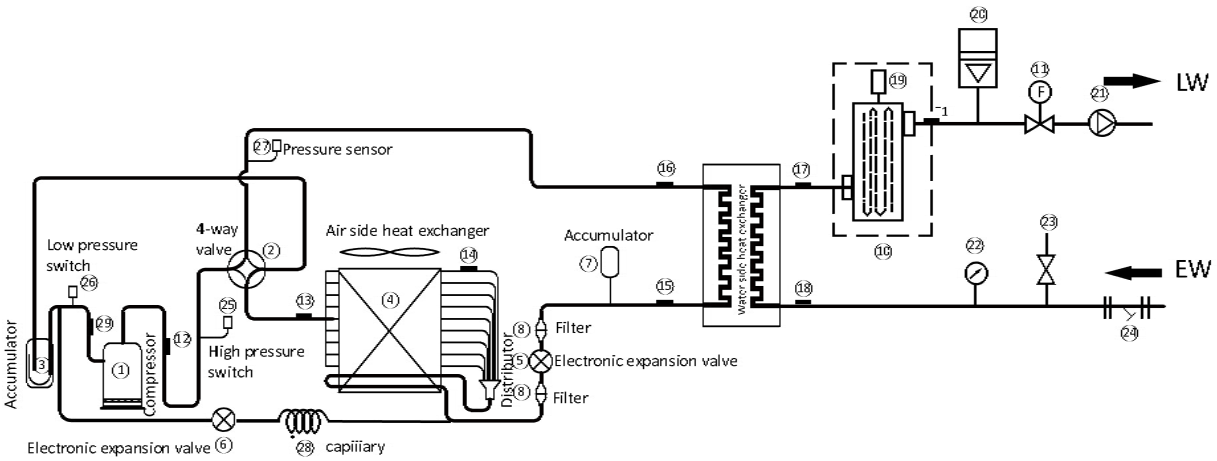


Power supply	220-240 V / 1 / 50 Hz
Max. overcurrent protection	20 A

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

NOTES:
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Kaysun by Frigicoll

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Aquantia KHPS-MO Monobloc

PRODUCT SHEET





Standard controller

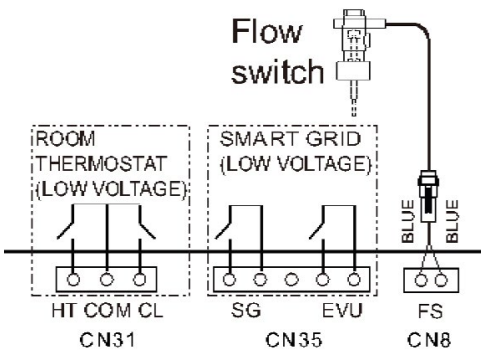
Product certified by: CE

R-32 | ACS | DC INVERTER

FEATURES

Model	Set	KHPS-MO 7 DVR
	Outdoor unit	**KHP-MO 7 DVR**
Outdoor air 7°C Water 30/35°C	Heating capacity	6,65 kW
	COP	4,94
Outdoor air 7°C Water 40/45°C	Heating capacity	6,70 kW
	COP	3,57
Outdoor air -7°C Water 30/35°C	Heating capacity	5,88 kW
	COP	2,91
Outdoor air 35°C Water 23/18°C	Cooling capacity	6,45 kW
	EER	4,65
Outdoor air 35°C Water 12/7°C	Cooling capacity	6,30 kW
	EER	2,77
Energy efficiency	SCOP cold zone - Water 35°C	3,83
	SCOP cold zone - Water 55°C	2,68
	SCOP average zone - Water 35°C / Classif.	4,47 / A+++
	SCOP average zone - Water 55°C / Classif.	3,24 / A++
	SCOP warm zone - Water 35°C	5,53
	SCOP warm zone - Water 55°C	3,93
	SEER 7°C	4,99
	SEER 18°C	8,58
Outdoor unit	Sound pressure	52,30 dB(A)
Hydraulic system	Water pump pressure	6 mca
	Water pipe connections	Ø1"
	Minimum water volume	25 L

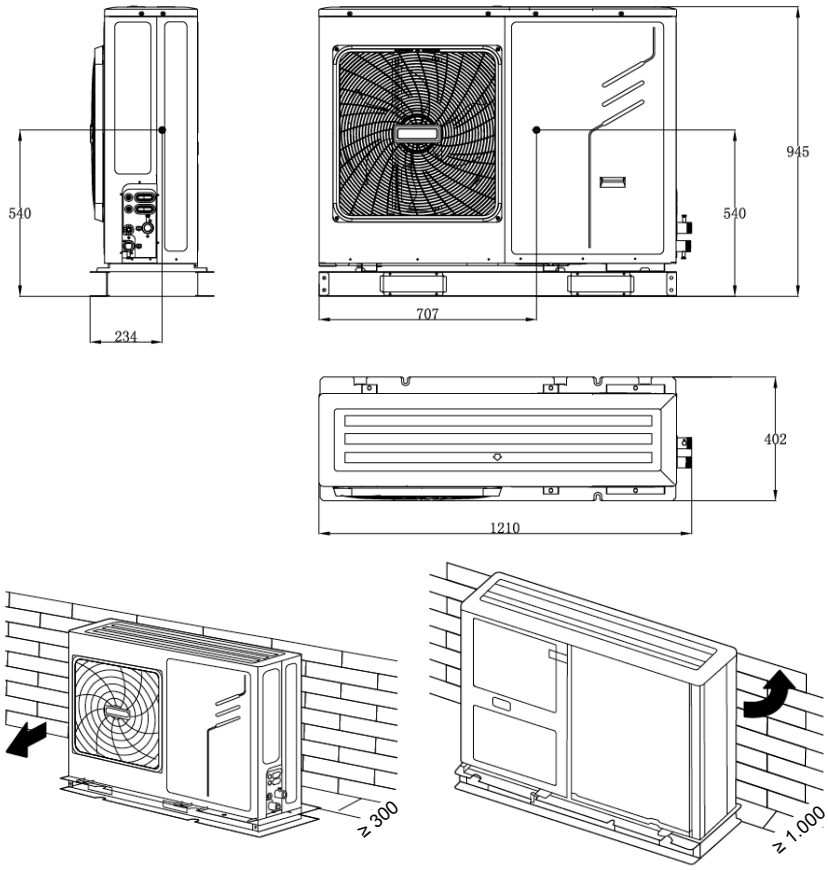
ELECTRICAL CONNECTION



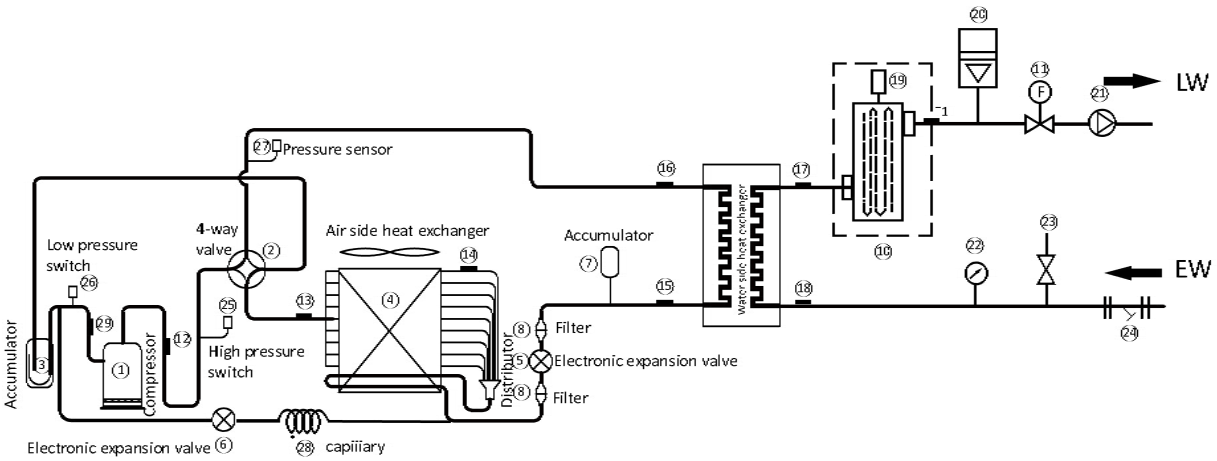
Power supply	220-240 V / 1 / 50 Hz
Max. overcurrent protection	20 A

Frigicoll

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

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EN

Aquantia KHPS-MO Monobloc

PRODUCT SHEET





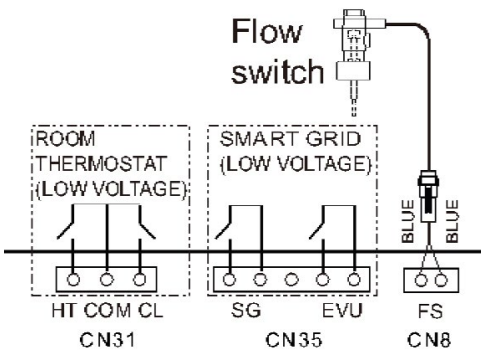
Standard controller

Product certified by: CE

FEATURES

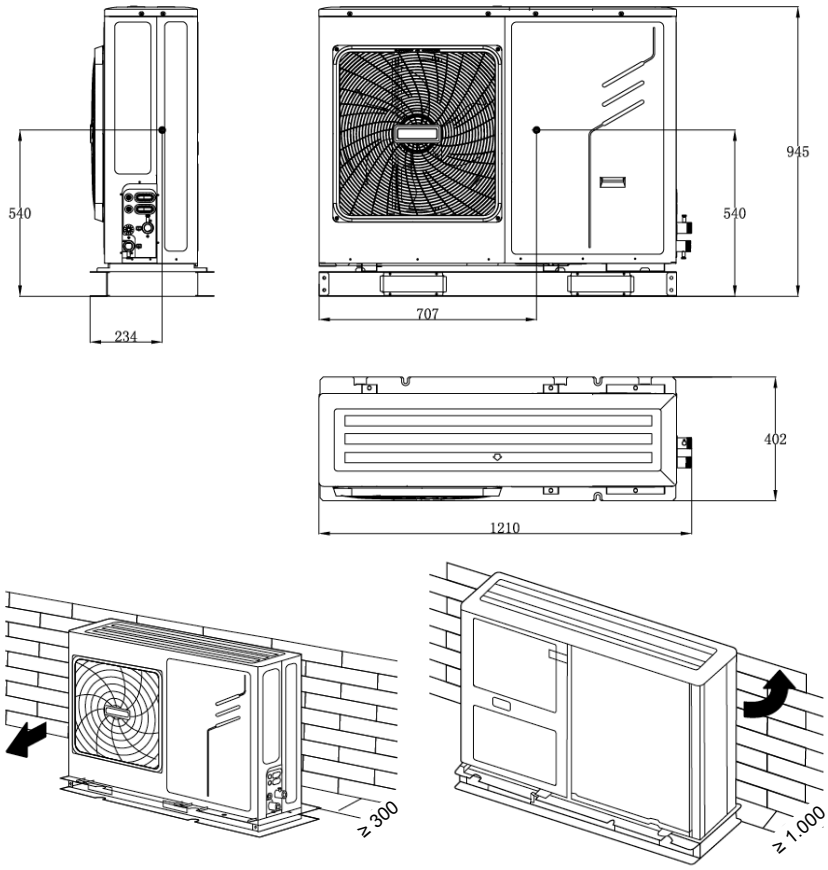
Model	Set	KHPS-MO 9 DVR
	Outdoor unit	**KHP-MO 9 DVR**
Outdoor air 7°C Water 30/35°C	Heating capacity	8,60 kW
	COP	4,60
Outdoor air 7°C Water 40/45°C	Heating capacity	8,60 kW
	COP	3,44
Outdoor air -7°C Water 30/35°C	Heating capacity	7,42 kW
	COP	2,80
Outdoor air 35°C Water 23/18°C	Cooling capacity	8 kW
	EER	4,16
Outdoor air 35°C Water 12/7°C	Cooling capacity	7,95 kW
	EER	2,53
Energy efficiency	SCOP cold zone - Water 35°C	3,80
	SCOP cold zone - Water 55°C	2,80
	SCOP average zone - Water 35°C / Classif.	4,51 / A+++
	SCOP average zone - Water 55°C / Classif.	3,22 / A++
	SCOP warm zone - Water 35°C	6,28
	SCOP warm zone - Water 55°C	4,18
	SEER 7°C	4,92
	SEER 18°C	7,88
Outdoor unit	Sound pressure	54,50 dB(A)
Hydraulic system	Water pump pressure	6 mca
	Water pipe connections	Ø1"
	Minimum water volume	25 L

ELECTRICAL CONNECTION

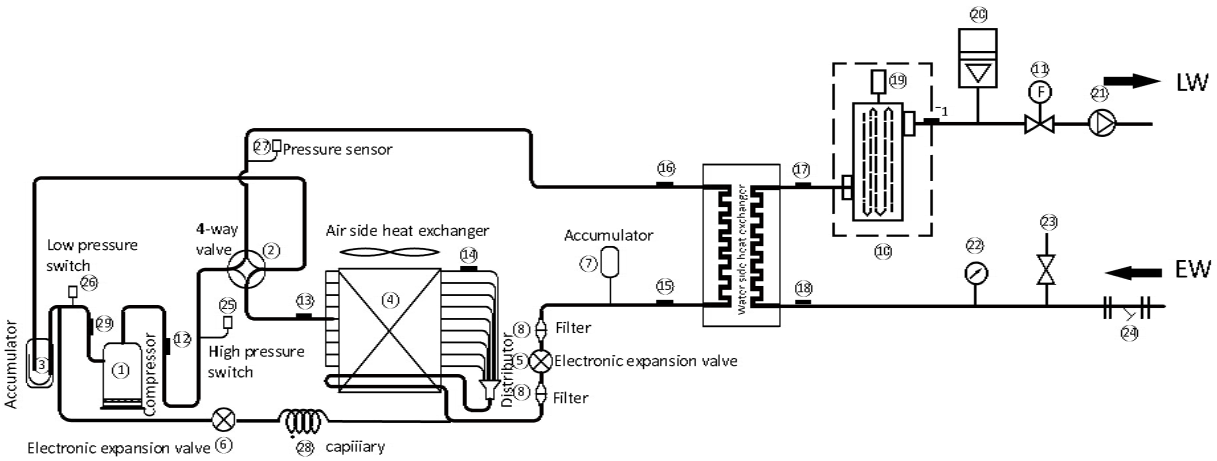


Power supply	220-240 V / 1 / 50 Hz
Max. overcurrent protection	20 A

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

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Aquantia KHPS-MO Monobloc

PRODUCT SHEET





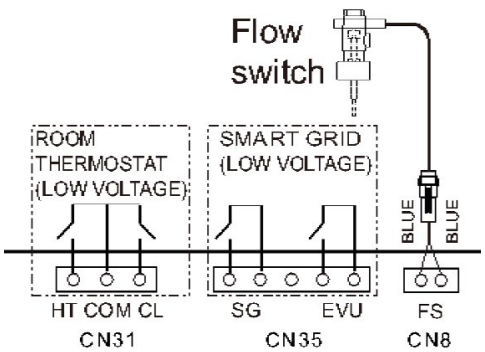
Standard controller

Product certified by: CE

FEATURES

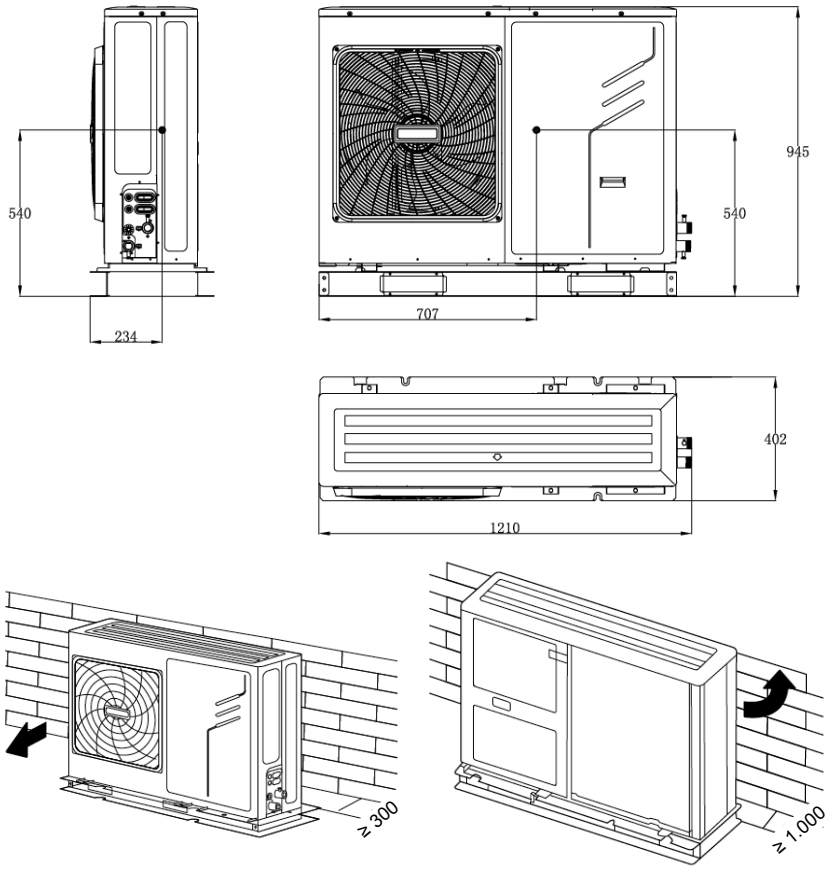
Model	Set	KHPS-MO 12 DVR
	Outdoor unit	**KHP-MO 12 DVR**
Outdoor air 7°C Water 30/35°C	Heating capacity	12,30 kW
	COP	4,81
Outdoor air 7°C Water 40/45°C	Heating capacity	12,40 kW
	COP	3,53
Outdoor air -7°C Water 30/35°C	Heating capacity	10,52 kW
	COP	2,88
Outdoor air 35°C Water 23/18°C	Cooling capacity	12,20 kW
	EER	4,78
Outdoor air 35°C Water 12/7°C	Cooling capacity	10,90 kW
	EER	2,92
Energy efficiency	SCOP cold zone - Water 35°C	3,35
	SCOP cold zone - Water 55°C	2,48
	SCOP average zone - Water 35°C / Classif.	4,29 / A++
	SCOP average zone - Water 55°C / Classif.	3,23 / A++
	SCOP warm zone - Water 35°C	5,98
	SCOP warm zone - Water 55°C	3,78
	SEER 7°C	4,85
	SEER 18°C	7,50
Outdoor unit	Sound pressure	57,60 dB(A)
Hydraulic system	Water pump pressure	10 mca
	Water pipe connections	Ø1 1/4"
	Minimum water volume	25 L

ELECTRICAL CONNECTION

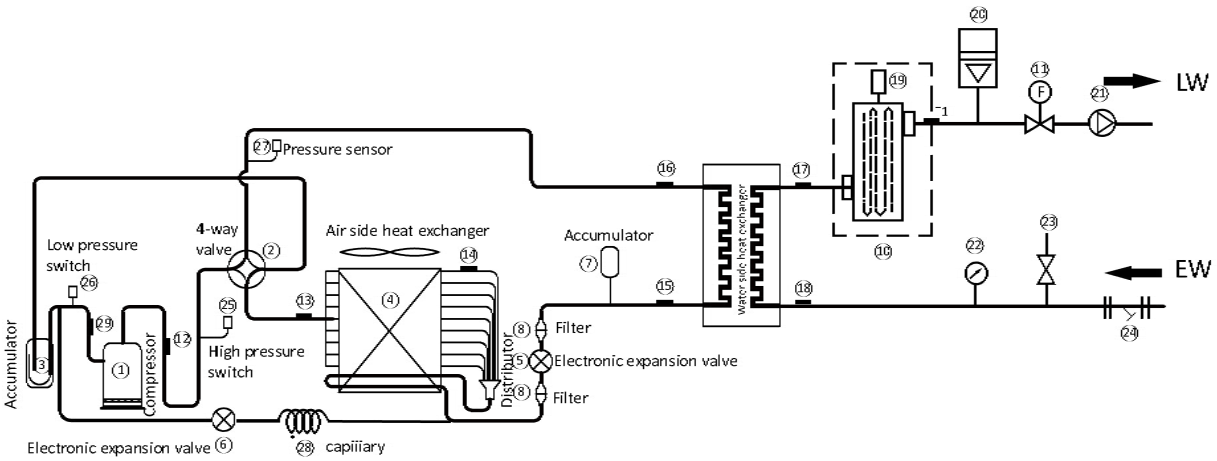


Power supply	220-240 V / 1 / 50 Hz
Max. overcurrent protection	30 A

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

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Aquantia KHPS-MO Monobloc

PRODUCT SHEET





Standard controller

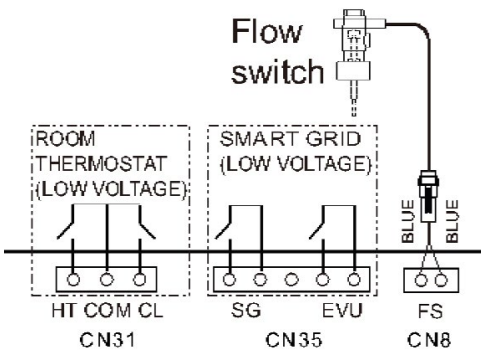
Product certified by: CE

R-32 | ACS | DC INVERTER

FEATURES

Model	Set	KHPS-MO 12 DTR
	Outdoor unit	**KHP-MO 12 DTR**
Outdoor air 7°C Water 30/35°C	Heating capacity	12,30 kW
	COP	4,84
Outdoor air 7°C Water 40/45°C	Heating capacity	12,40 kW
	COP	3,59
Outdoor air -7°C Water 30/35°C	Heating capacity	10,52 kW
	COP	2,88
Outdoor air 35°C Water 23/18°C	Cooling capacity	12,20 kW
	EER	4,83
Outdoor air 35°C Water 12/7°C	Cooling capacity	10,90 kW
	EER	2,93
Energy efficiency	SCOP cold zone - Water 35°C	3,35
	SCOP cold zone - Water 55°C	2,48
	SCOP average zone - Water 35°C / Classif.	4,29 / A++
	SCOP average zone - Water 55°C / Classif.	3,23 / A++
	SCOP warm zone - Water 35°C	5,98
	SCOP warm zone - Water 55°C	3,78
	SEER 7°C	4,85
	SEER 18°C	7,50
Outdoor unit	Sound pressure	57,20 dB(A)
Hydraulic system	Water pump pressure	10 mca
	Water pipe connections	Ø1 1/4"
	Minimum water volume	25 L

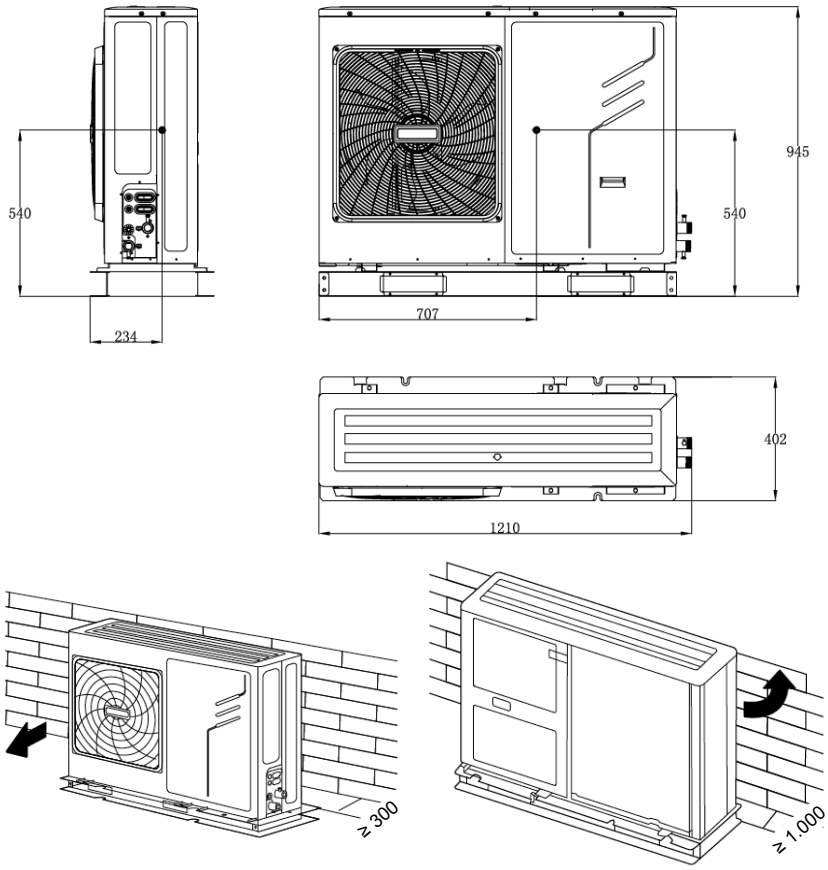
ELECTRICAL CONNECTION



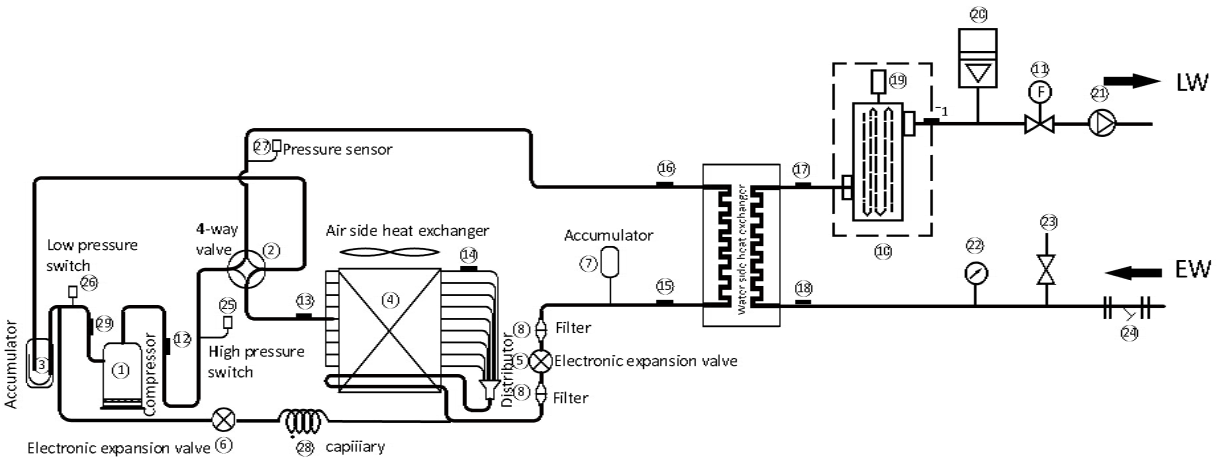
Power supply	380-415 V / 3 / 50 Hz
Max. overcurrent protection	15 A

Frigicoll

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

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Aquantia KHPS-MO Monobloc

PRODUCT SHEET





Standard controller

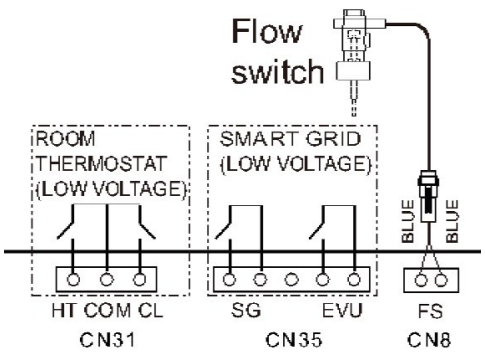
Product certified by: CE

R-32 | ACS | DC INVERTER

FEATURES

Model	Set	KHPS-MO 14 DVR
	Outdoor unit	**KHP-MO 14 DVR**
Outdoor air 7°C Water 30/35°C	Heating capacity	14,10 kW
	COP	4,60
Outdoor air 7°C Water 40/45°C	Heating capacity	14,10 kW
	COP	3,47
Outdoor air -7°C Water 30/35°C	Heating capacity	12,47 kW
	COP	2,84
Outdoor air 35°C Water 23/18°C	Cooling capacity	14 kW
	EER	4,52
Outdoor air 35°C Water 12/7°C	Cooling capacity	12,90 kW
	EER	2,78
Energy efficiency	SCOP cold zone - Water 35°C	3,65
	SCOP cold zone - Water 55°C	2,63
	SCOP average zone - Water 35°C / Classif.	4,27 / A++
	SCOP average zone - Water 55°C / Classif.	3,26 / A++
	SCOP warm zone - Water 35°C	6,08
	SCOP warm zone - Water 55°C	3,93
	SEER 7°C	4,73
	SEER 18°C	7,16
Outdoor unit	Sound pressure	58 dB(A)
Hydraulic system	Water pump pressure	10 mca
	Water pipe connections	Ø1 1/4"
	Minimum water volume	25 L

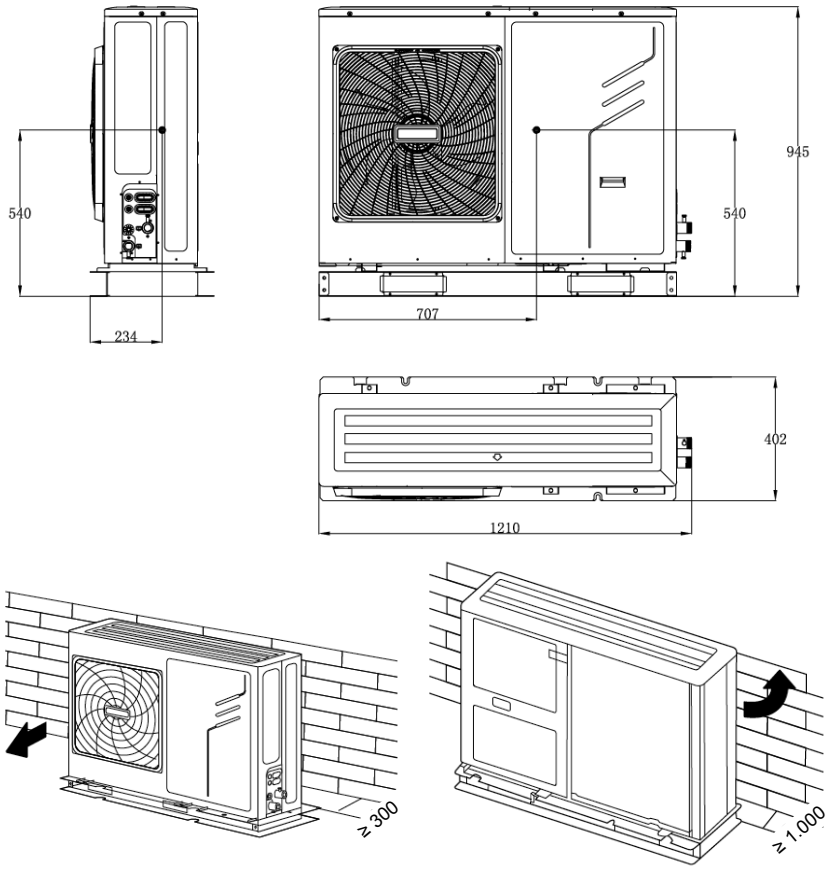
ELECTRICAL CONNECTION



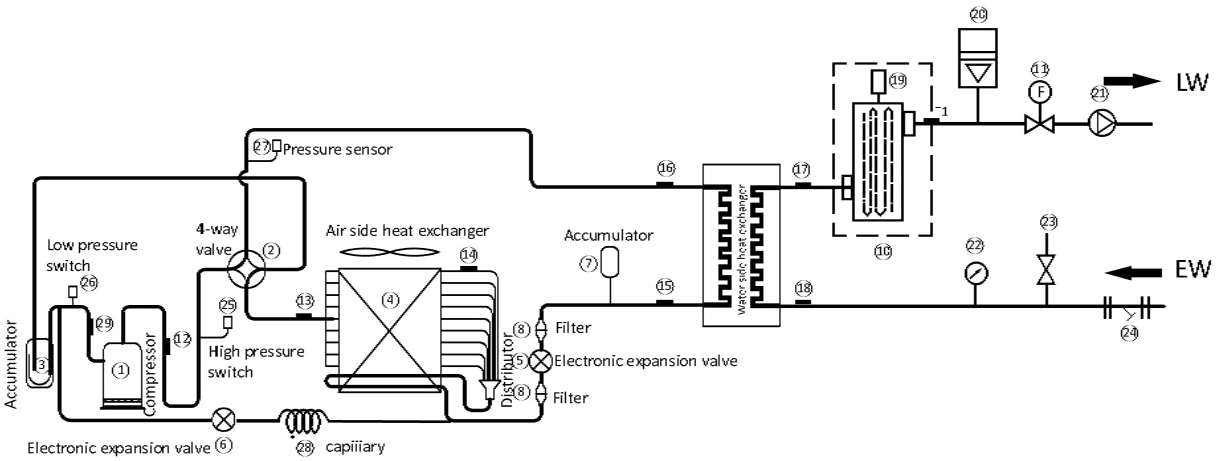
Power supply	220-240 V / 1 / 50 Hz
Max. overcurrent protection	30 A

Frigicoll

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

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Standard controller

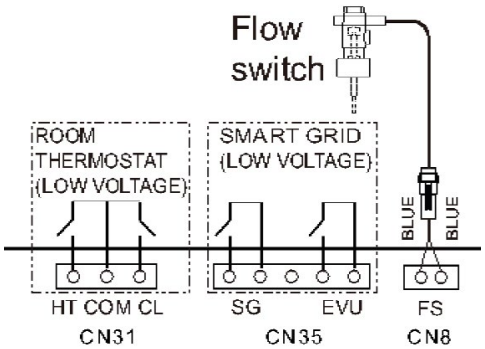
Product certified by: CE

R-32 | ACS | DC INVERTER

FEATURES

Model	Set	KHPS-MO 14 DTR
	Outdoor unit	**KHP-MO 14 DTR**
Outdoor air 7°C Water 30/35°C	Heating capacity	14,10 kW
	COP	4,63
Outdoor air 7°C Water 40/45°C	Heating capacity	14,10 kW
	COP	3,54
Outdoor air -7°C Water 30/35°C	Heating capacity	12,47 kW
	COP	2,84
Outdoor air 35°C Water 23/18°C	Cooling capacity	12,90 kW
	EER	2,80
Outdoor air 35°C Water 12/7°C	Cooling capacity	12,90 kW
	EER	2,80
Energy efficiency	SCOP cold zone - Water 35°C	3,65
	SCOP cold zone - Water 55°C	2,63
	SCOP average zone - Water 35°C / Classif.	4,27 / A++
	SCOP average zone - Water 55°C / Classif.	3,26 / A++
	SCOP warm zone - Water 35°C	6,08
	SCOP warm zone - Water 55°C	3,93
	SEER 7°C	4,73
	SEER 18°C	7,16
Outdoor unit	Sound pressure	58,10 dB(A)
Hydraulic system	Water pump pressure	10 mca
	Water pipe connections	Ø1 1/4"
	Minimum water volume	25 L

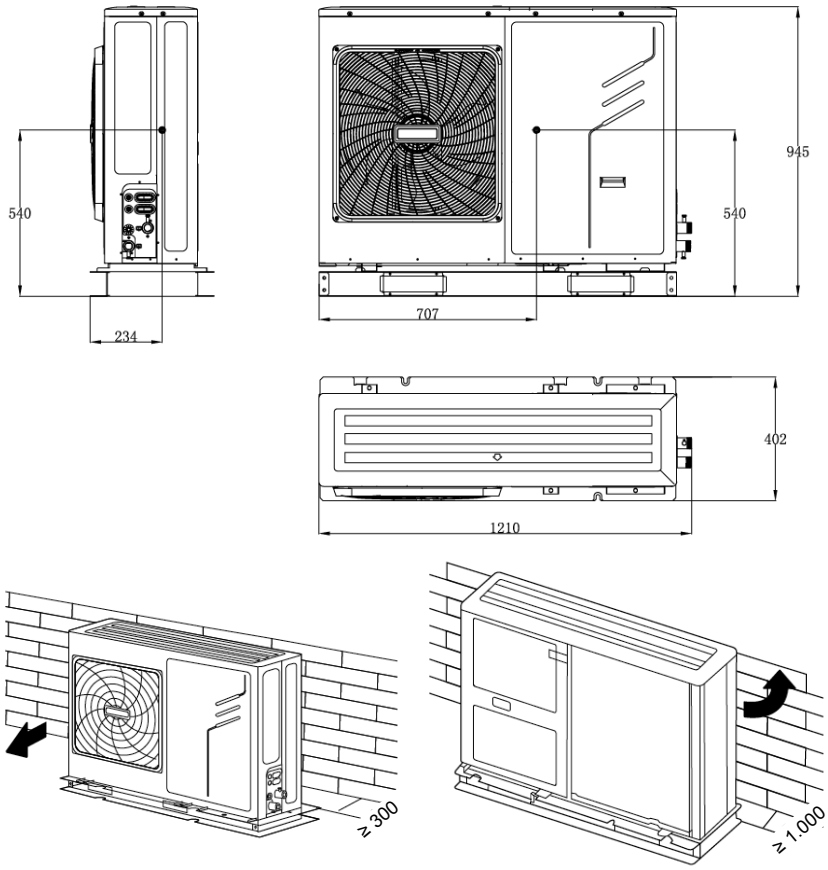
ELECTRICAL CONNECTION



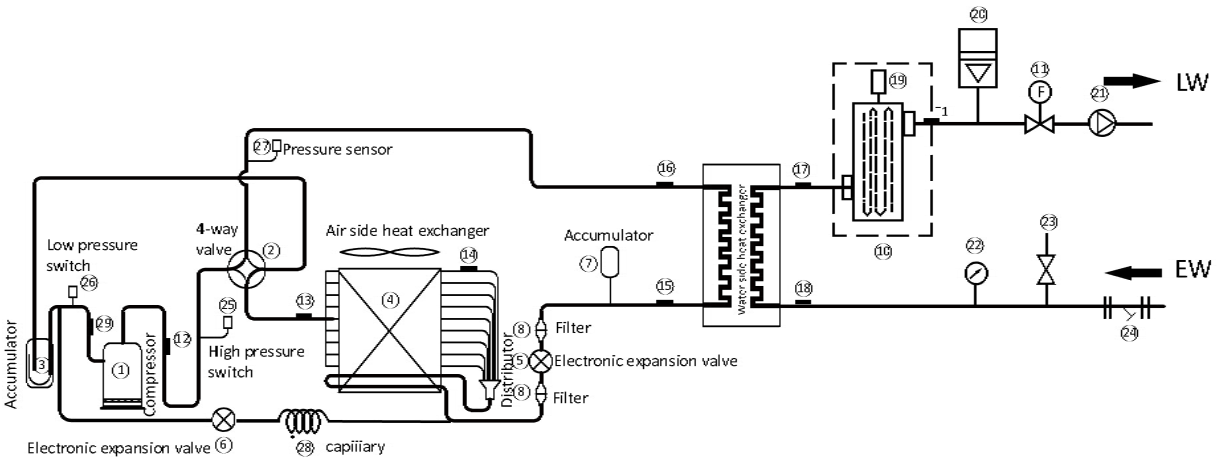
Power supply	380-415 V / 3 / 50 Hz
Max. overcurrent protection	15 A

Frigicoll

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

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Standard controller

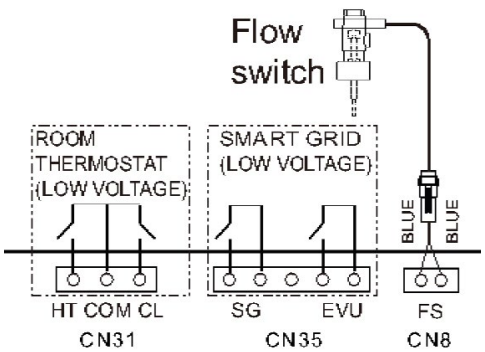
Product certified by: CE

R-32 | ACS | DC INVERTER

FEATURES

Model	Set	KHPS-MO 16 DVR
	Outdoor unit	**KHP-MO 16 DVR**
Outdoor air 7°C Water 30/35°C	Heating capacity	16,30 kW
	COP	4,45
Outdoor air 7°C Water 40/45°C	Heating capacity	16,20 kW
	COP	3,43
Outdoor air -7°C Water 30/35°C	Heating capacity	14,15 kW
	COP	2,72
Outdoor air 35°C Water 23/18°C	Cooling capacity	15,50 kW
	EER	4,26
Outdoor air 35°C Water 12/7°C	Cooling capacity	13,80 kW
	EER	2,65
Energy efficiency	SCOP cold zone - Water 35°C	3,65
	SCOP cold zone - Water 55°C	2,73
	SCOP average zone - Water 35°C / Classif.	4,30 / A++
	SCOP average zone - Water 55°C / Classif.	3,27 / A++
	SCOP warm zone - Water 35°C	5,90
	SCOP warm zone - Water 55°C	3,93
	SEER 7°C	4,54
	SEER 18°C	6,78
Outdoor unit	Sound pressure	58,10 dB(A)
Hydraulic system	Water pump pressure	10 mca
	Water pipe connections	Ø1 1/4"
	Minimum water volume	25 L

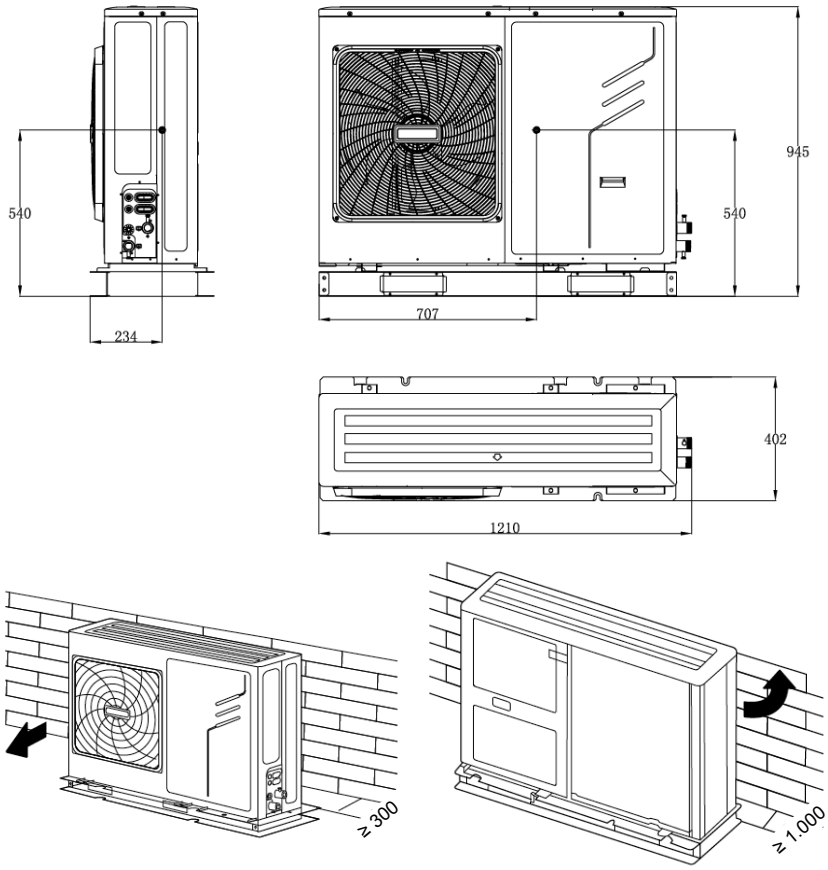
ELECTRICAL CONNECTION



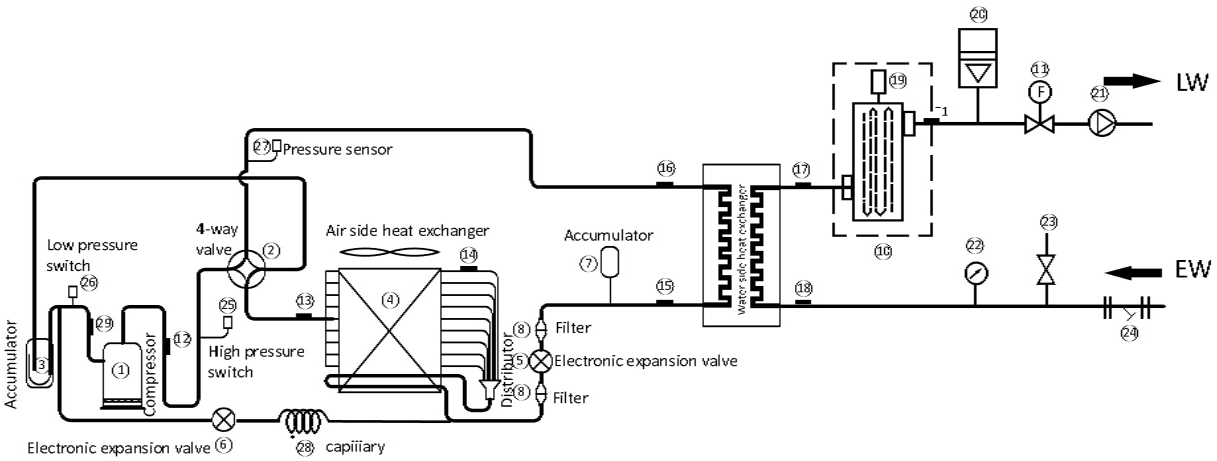
Power supply	220-240 V / 1 / 50 Hz
Max. overcurrent protection	30 A

Frigicoll

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
7	Liquid tank	15	Refrigerant inlet (liquid pipe) temperature sensor	22	Manometer	29	Suction gas sensor
8	Strainer						

NOTES:
(1) The data and specifications present in this sheet may vary without notice.
(2) The images on this sheet are indicative and may be different from the final machine.

Kaysun by Frigicoll

EN

Aquantia KHPS-MO Monobloc

PRODUCT SHEET





Standard controller

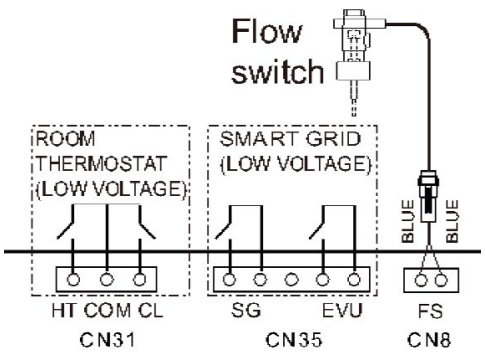
Product certified by: CE

R-32 | ACS | DC INVERTER

FEATURES

Model	Set	KHPS-MO 16 DTR
	Outdoor unit	**KHP-MO 16 DTR**
Outdoor air 7°C Water 30/35°C	Heating capacity	16,30 kW
	COP	4,49
Outdoor air 7°C Water 40/45°C	Heating capacity	16,20 kW
	COP	3,45
Outdoor air -7°C Water 30/35°C	Heating capacity	14,15 kW
	COP	2,72
Outdoor air 35°C Water 23/18°C	Cooling capacity	15,50 kW
	EER	4,27
Outdoor air 35°C Water 12/7°C	Cooling capacity	13,80 kW
	EER	2,66
Energy efficiency	SCOP cold zone - Water 35°C	3,65
	SCOP cold zone - Water 55°C	2,73
	SCOP average zone - Water 35°C / Classif.	4,30 / A++
	SCOP average zone - Water 55°C / Classif.	3,27 / A++
	SCOP warm zone - Water 35°C	5,90
	SCOP warm zone - Water 55°C	3,93
	SEER 7°C	4,54
	SEER 18°C	6,78
Outdoor unit	Sound pressure	59 dB(A)
Hydraulic system	Water pump pressure	10 mca
	Water pipe connections	Ø1 1/4"
	Minimum water volume	25 L

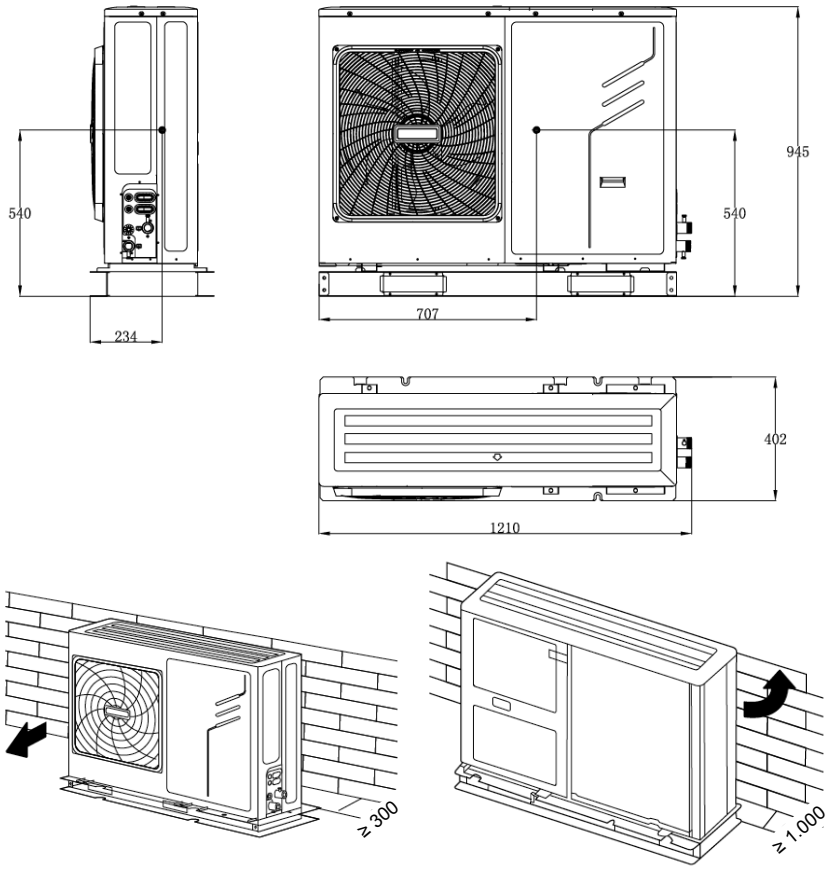
ELECTRICAL CONNECTION



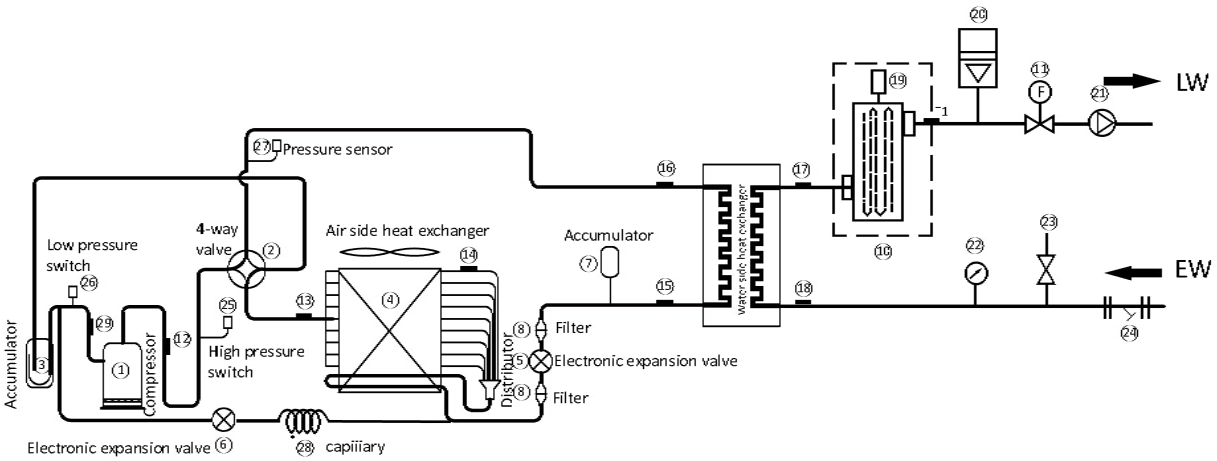
Power supply	380-415 V / 3 / 50 Hz
Max. overcurrent protection	15 A

Frigicoll

DIMENSIONS & INSTALLATION DISTANCES



INSTALLATION COMPONENTS



1	Compressor	9	Water side heat exchanger (Plate heat exchange)	16	Refrigerant outlet (gas pipe) temperature sensor	23	Safety valve
2	4-way valve	10	Backup heater (optional)	17	Water outlet temperature sensor	24	Y-shape filter
3	Gas-liquid separator	11	Flow switch	18	Water inlet temperature sensor	25	High pressure switch
4	Air side heat exchanger	12	Discharge gas sensor	19	Air purge valve	26	Low pressure switch
5	Electronic expansion valve	13	Outdoor temperature sensor	20	Expansion vessel	27	Pressure valve
6	Single-way electromagnetic valve	14	Evaporation sensor in heating (Condenser sensor in cooling)	21	Circulating pump	28	Capillary
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