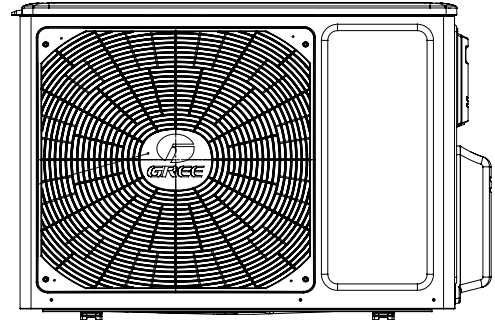


Part I : Technical Information

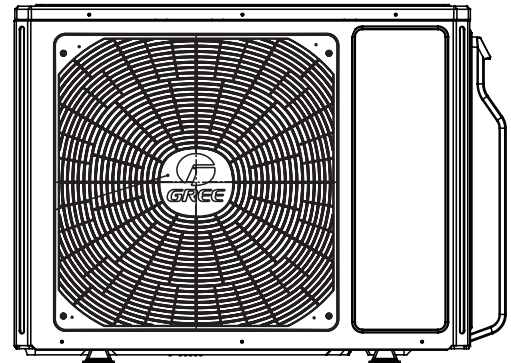
1. Summary

Outdoor Unit

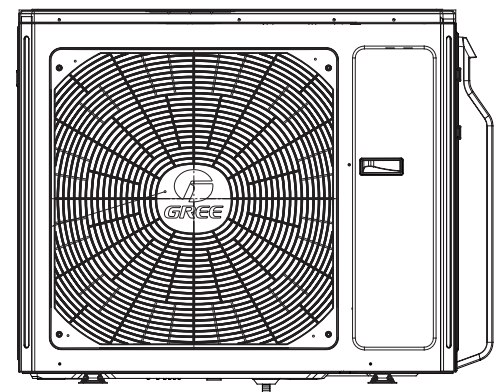
GWHD(14)NK3DO



GWHD(18)NK3KO
GWHD(21)NK3KO



GWHD(24)NK3MO
GWHD(28)NK3KO



2. Specifications

Model			GWHD(14)NK3DO(LCLH)	GWHD(14)NK3DO	
Product Code			CB228W06500	CB228W06501	
Power supply	Rated Voltage	V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
	Phases		1	1	
Cooling capacity(max~min)		W	4100(2052~4396)	4100(2052~4396)	
Heating capacity(max~min)		W	4400(2491~5422)	4400(2491~5422)	
Cooling Power Input(max~min)		W	1200	1200	
Heating Power Input(max~min)		W	1180	1180	
Cooling Current Input		A	5.32	5.32	
Heating Current Input		A	5.10	5.10	
Rated Power Input		W	1780	1780	
Rated Current		A	7.90	7.90	
SEER		W/W	6.10	6.10	
SCOP		W/W	4.00	4.00	
Outdoor Unit	Compressor Trademark		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	
	Compressor Model		QXA-B141zF030A	QXA-B141zF030A	
	Compressor Refrigerant Oil Type		RB68EP	RB68EP	
	Compressor Type		Inverter Rotary	Inverter Rotary	
	L.R.A		A	25	25
	Compressor Rated Load Amp (RLA)		A	7.2	7.2
	Compressor Power Input		W	1440	1440
	Compressor Thermal Protector			"1NT11L-6233 KSD115°CCHPC115/95U1"	"1NT11L-6233 KSD115°CCHPC115/95U1"
	Throttling Method			Electron expansion valve	Electron expansion valve
	Cooling Operation Ambient Temperature Range		°C	-15~43	18~43
	Heating Operation Ambient Temperature Range		°C	-20~24	-15~24
	Condenser Material			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter		mm	Φ9.52	Φ9.52
	Rows-Fin Gap(mm)		mm	2-1.4	2-1.4
	Coil length (l) X height (H) X coil width (L)		mm	800X44X559	800X44X559
	Fan Motor Speed (rpm) (H/M/L)		rpm	900	900
	Output of Fan Motor		W	30	30
	Fan Motor RLA		A	/	/
	Fan Motor Capacitor		μF	/	/
	Air Flow Volume of Outdoor Unit		m ³ /h	2600	2600
	Fan Type-Piece			Axial-flow	Axial-flow
	Fan Diameter		mm	Φ438-116	Φ438-116
	Defrosting Method			Automatic Defrosting	Automatic Defrosting
	Climate Type			T1	T1
	Isolation			I	I
	Moisture Protection			IP24	IP24
	Permissible Excessive Operating Pressure for the Discharge Side		MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side		MPa	2.5	2.5
	Dimension (W/H/D)		mm	903X596X378	903X596X378
	Dimension of Package (L/W/H)		mm	945X417X630	945X417X630
	Dimension of Package(L/W/H)		mm	948X420X645	948X420X645
Net Weight		kg	43	43	
Gross Weight		kg	46	46	
Refrigerant Charge			R410A	R410A	
Refrigerant Charge		kg	1.40	1.40	

Outdoor Unit	Cross-sectional Area of Power Cable Conductor	mm ²	/	/
	Recommended Power Cable(Core)	N	3	3
	Connection Pipe Connection Method	-	Flare Connection	Flare Connection
	Not Additional Gas Connection Pipe Length	m	10	10
	Connection Pipe Gas Additional Charge	g/m	20	20
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Connection Pipe Max. Height Distance(indoor and indoor)	m	5	5
	Max. equivalent connection pipe length(outdoor to last indoor)	m	10	10
	Connection Pipe Max. Length Distance(total length)	m	20	20

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GWHD(18)NK3KO(LCLH)	GWHD(18)NK3KO
Product Code			CB228W06300	CB228W06301
Power supply	Rated Voltage	V~	220-240	220-240
	Rated Frequency	Hz	50	50
	Phases		1	1
Cooling capacity(max~min)		W	5200(2140~4836)	5200(2140~4836)
Heating capacity(max~min)		W	5400(2579~5510)	5400(2579~5510)
Cooling Power Input(max~min)		W	1450	1450
Heating Power Input(max~min)		W	1550	1550
Cooling Current Input		A	6.88	6.88
Heating Current Input		A	6.43	6.43
Rated Power Input		W	1780	1780
Rated Current		A	7.90	7.90
SEER		W/W	6.1	6.1
SCOP		W/W	4.0	4.0
Outdoor Unit	Compressor Trademark		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD
	Compressor Model		QXA-B141zF030A	QXA-B141zF030A
	Compressor Refrigerant Oil Type		RB68EP	RB68EP
	Compressor Type		Inverter Rotary	Inverter Rotary
	L.R.A		A	25
	Compressor Rated Load Amp (RLA)		A	7.2
	Compressor Power Input		W	1440
	Compressor Thermal Protector			"1NT11L-6233 KSD115°CHPC115/95U1"
	Throttling Method			Electron expansion valve
	Cooling Operation Ambient Temperature Range		°C	-15~43
	Heating Operation Ambient Temperature Range		°C	-20~24
	Condenser Material			Aluminum Fin-copper Tube
	Condenser Pipe Diameter		mm	Φ7
	Rows-Fin Gap(mm)		mm	2-1.4
	Coil length (l) X height (H) X coil width (L)		mm	851X38.1X660
	Fan Motor Speed (rpm) (H/M/L)		rpm	800
	Output of Fan Motor		W	60
	Fan Motor RLA		A	/
	Fan Motor Capacitor		μF	/
	Air Flow Volume of Outdoor Unit		m ³ /h	3200
	Fan Type-Piece			Axial-flow
	Fan Diameter		mm	Φ520-154
	Defrosting Method			Automatic Defrosting
	Climate Type			T1
	Isolation			I
	Moisture Protection			IP24
	Permissible Excessive Operating Pressure for the Discharge Side		MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side		MPa	2.5
	Dimension (WXHXD)		mm	963X700X396
	Dimension of Package (LXWXH)		mm	1026X455X735
	Dimension of Package(LXWXH)		mm	1029X458X750
	Net Weight		kg	51
	Gross Weight		kg	55
Refrigerant Charge			R410A	
Refrigerant Charge		kg	1.60	

Outdoor Unit	Cross-sectional Area of Power Cable Conductor	mm ²	/	/
	Recommended Power Cable(Core)	N	3	3
	Connection Pipe Connection Method	-	Flare Connection	Flare Connection
	Not Additional Gas Connection Pipe Length	m	10	10
	Connection Pipe Gas Additional Charge	g/m	20	20
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Connection Pipe Max. Height Distance(indoor and indoor)	m	5	5
	Max. equivalent connection pipe length(outdoor to last indoor)	m	10	10
	Connection Pipe Max. Length Distance(total length)	m	20	20

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GWHD(21)NK3KO(LCLH)	GWHD(21)NK3KO
Product Code			CB228W06400	CB228W06401
Power supply	Rated Voltage	V~	220-240	220-240
	Rated Frequency	Hz	50	50
	Phases		1	1
Cooling capacity(max~min)		W	6100(2198~7327)	6100(2198~7327)
Heating capacity(max~min)		W	6500(3605~8499)	6500(3605~8499)
Cooling Power Input(max~min)		W	1910	1910
Heating Power Input(max~min)		W	1730	1730
Cooling Current Input		A	8.47	8.47
Heating Current Input		A	7.68	7.68
Rated Power Input		W	2870	2870
Rated Current		A	12.73	12.73
SEER		W/W	6.1	6.1
SCOP		W/W	4.0	4.0
Outdoor Unit	Compressor Trademark		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD
	Compressor Model		QXAS-D23zX090B	QXAS-D23zX090B
	Compressor Refrigerant Oil Type		RB68EP	RB68EP
	Compressor Type		Inverter Rotary	Inverter Rotary
	L.R.A		A	25
	Compressor Rated Load Amp (RLA)		A	11.5
	Compressor Power Input		W	2550
	Compressor Thermal Protector			"1NT11L-6233KSD115°C HPC115/95U1"
	Throttling Method			Electron expansion valve
	Cooling Operation Ambient Temperature Range		°C	-15~43
	Heating Operation Ambient Temperature Range		°C	-20~24
	Condenser Material			Aluminum Fin-copper Tube
	Condenser Pipe Diameter		mm	Φ9.52
	Rows-Fin Gap(mm)		mm	2-1.4
	Coil length (l) X height (H) X coil width (L)		mm	851X38.1X660
	Fan Motor Speed (rpm) (H/M/L)		rpm	800
	Output of Fan Motor		W	60
	Fan Motor RLA		A	/
	Fan Motor Capacitor		μF	/
	Air Flow Volume of Outdoor Unit		m ³ /h	3200
	Fan Type-Piece			Axial-flow
	Fan Diameter		mm	Φ520-154
	Defrosting Method			Automatic Defrosting
	Climate Type			T1
	Isolation			I
	Moisture Protection			IP24
	Permissible Excessive Operating Pressure for the Discharge Side		MPa	4.3
	Permissible Excessive Operating Pressure for the Suction Side		MPa	2.5
	Dimension (WXHXD)		mm	963X700X396
	Dimension of Package (LXWXH)		mm	1026X455X735
Dimension of Package(LXWXH)		mm	1029X458X750	
Net Weight		kg	62	
Gross Weight		kg	65.5	
Refrigerant Charge			R410A	
Refrigerant Charge		kg	2.2	

Outdoor Unit	Cross-sectional Area of Power Cable Conductor	mm ²	/	/
	Recommended Power Cable(Core)	N	3	3
	Connection Pipe Connection Method	-	Flare Connection	Flare Connection
	Not Additional Gas Connection Pipe Length	m	30	30
	Connection Pipe Gas Additional Charge	g/m	20	20
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Connection Pipe Max. Height Distance(indoor and indoor)	m	10	10
	Max. equivalent connection pipe length(outdoor to last indoor)	m	20	20
	Connection Pipe Max. Length Distance(total length)	m	60	60

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GWHD(24)NK3MO(LCLH)	GWHD(24)NK3MO	
Product Code			CB228W06600	CB228W06601	
Power supply	Rated Voltage	V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
	Phases		1	1	
Cooling capacity(max~min)		W	7100(2286~8499)	7100(2286~8499)	
Heating capacity(max~min)		W	8500(3664~8792)	8500(3664~8792)	
Cooling Power Input(max~min)		W	2180	2180	
Heating Power Input(max~min)		W	2280	2280	
Cooling Current Input		A	9.67	9.67	
Heating Current Input		A	10.12	10.12	
Rated Power Input		W	2870	2870	
Rated Current		A	12.73	12.73	
SEER		W/W	6.1	6.1	
SCOP		W/W	4.0	4.0	
Outdoor Unit	Compressor Trademark		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	
	Compressor Model		QXAS-D23zX090B	QXAS-D23zX090B	
	Compressor Refrigerant Oil Type		RB68EP	RB68EP	
	Compressor Type		Inverter Rotary	Inverter Rotary	
	L.R.A		A	25	25
	Compressor Rated Load Amp (RLA)		A	11.5	11.5
	Compressor Power Input		W	2550	2550
	Compressor Thermal Protector			"1NT11L-6233KSD115°C HPC115/95U1"	"1NT11L-6233KSD115°C HPC115/95U1"
	Throttling Method			Electron expansion valve	Electron expansion valve
	Cooling Operation Ambient Temperature Range		°C	-15~43	18~43
	Heating Operation Ambient Temperature Range		°C	-20~24	-15~24
	Condenser Material			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter		mm	Φ7	Φ7
	Rows-Fin Gap(mm)		mm	2-1.4	2-1.4
	Coil length (l) X height (H) X coil width (L)		mm	982.2X38.1X748	982.2X38.1X748
	Fan Motor Speed (rpm) (H/M/L)		rpm	800	800
	Output of Fan Motor		W	90	90
	Fan Motor RLA		A	/	/
	Fan Motor Capacitor		μF	/	/
	Air Flow Volume of Outdoor Unit		m ³ /h	3200	3200
	Fan Type-Piece			Axial-flow	Axial-flow
	Fan Diameter		mm	Φ520-120	Φ520-120
	Defrosting Method			Automatic Defrosting	Automatic Defrosting
	Climate Type			T1	T1
	Isolation			I	I
	Moisture Protection			IP24	IP24
	Permissible Excessive Operating Pressure for the Discharge Side		MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side		MPa	2.5	2.5
	Dimension (WXHXD)		mm	1001X790X427	1001X790X427
	Dimension of Package (LXWXH)		mm	1080X485X840	1080X485X840
Dimension of Package(LXWXH)		mm	1083X488X855	1083X488X855	
Net Weight		kg	68	68	
Gross Weight		kg	73	73	
Refrigerant Charge			R410A	R410A	
Refrigerant Charge		kg	2.2	2.2	

Outdoor Unit	Cross-sectional Area of Power Cable Conductor	mm ²	/	/
	Recommended Power Cable(Core)	N	3	3
	Connection Pipe Connection Method	-	Flare Connection	Flare Connection
	Not Additional Gas Connection Pipe Length	m	30	30
	Connection Pipe Gas Additional Charge	g/m	20	20
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Connection Pipe Max. Height Distance(indoor and indoor)	m	10	10
	Max. equivalent connection pipe length(outdoor to last indoor)	m	20	20
	Connection Pipe Max. Length Distance(total length)	m	60	60

The above data is subject to change without notice. Please refer to the nameplate of the unit.

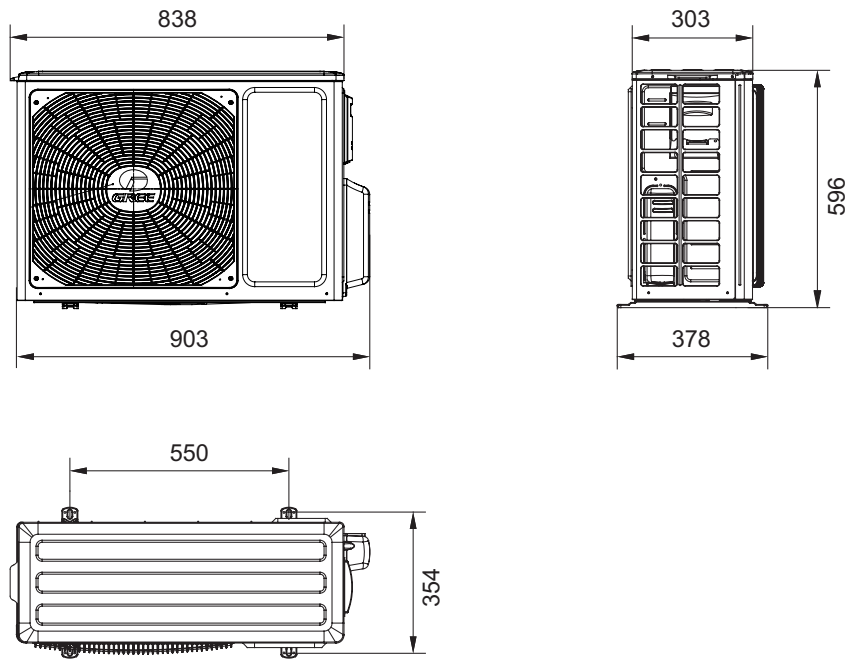
Model			GWHD(28)NK3KO(LCLH)	GWHD(28)NK3KO	
Product Code			CB228W06200	CB228W06201	
Power supply	Rated Voltage	V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
	Phases		1	1	
Cooling capacity(max~min)		W	8000(2286~10258)	8000(2286~10258)	
Heating capacity(max~min)		W	9300(3664~10258)	9300(3664~10258)	
Cooling Power Input(max~min)		W	2540	2540	
Heating Power Input(max~min)		W	2490	2490	
Cooling Current Input		A	15.71	15.71	
Heating Current Input		A	11.05	11.05	
Rated Power Input		W	3580	3580	
Rated Current		A	15.88	15.88	
SEER		W/W	6.1	6.1	
SCOP		W/W	4.0	4.0	
Outdoor Unit	Compressor Trademark		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	
	Compressor Model		QXAS-D23zX090B	QXAS-D23zX090B	
	Compressor Refrigerant Oil Type		RB68EP	RB68EP	
	Compressor Type		Inverter Rotary	Inverter Rotary	
	L.R.A		A	25	25
	Compressor Rated Load Amp (RLA)		A	11.5	11.5
	Compressor Power Input		W	2550	2550
	Compressor Thermal Protector			"1NT11L-6233KSD115°C HPC115/95U1"	"1NT11L-6233KSD115°C HPC115/95U1"
	Throttling Method			Electron expansion valve	Electron expansion valve
	Cooling Operation Ambient Temperature Range		°C	-15~43	18~43
	Heating Operation Ambient Temperature Range		°C	-20~24	-15~24
	Condenser Material			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter		mm	Φ7	Φ7
	Rows-Fin Gap(mm)		mm	2-1.4	2-1.4
	Coil length (l) X height (H) X coil width (L)		mm	982.2X38.1X748	982.2X38.1X748
	Fan Motor Speed (rpm) (H/M/L)		rpm	800	800
	Output of Fan Motor		W	90	90
	Fan Motor RLA		A	/	/
	Fan Motor Capacitor		μF	/	/
	Air Flow Volume of Outdoor Unit		m ³ /h	4000	4000
	Fan Type-Piece			Axial-flow	Axial-flow
	Fan Diameter		mm	Φ520-120	Φ520-120
	Defrosting Method			Automatic Defrosting	Automatic Defrosting
	Climate Type			T1	T1
	Isolation			I	I
	Moisture Protection			IP24	IP24
	Permissible Excessive Operating Pressure for the Discharge Side		MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side		MPa	2.5	2.5
	Dimension (WXHXD)		mm	1001X790X427	1001X790X427
	Dimension of Package (LXWXH)		mm	1080X485X840	1080X485X840
	Dimension of Package(LXWXH)		mm	1083X488X855	1083X488X855
	Net Weight		kg	69	69
Gross Weight		kg	74	74	
Refrigerant Charge			R410A	R410A	
Refrigerant Charge		kg	2.60	2.60	

Outdoor Unit	Cross-sectional Area of Power Cable Conductor	mm ²	/	/
	Recommended Power Cable(Core)	N	3	3
	Connection Pipe Connection Method	-	Flare Connection	Flare Connection
	Not Additional Gas Connection Pipe Length	m	40	40
	Connection Pipe Gas Additional Charge	g/m	20	20
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Outer Diameter of Liquid Pipe(GREE Allocation) (Metric)	mm	Φ6	Φ6
	Outer Diameter of Gas Pipe(GREE Allocation) (Metric)	mm	Φ9.52	Φ9.52
	Connection Pipe Max. Height Distance(indoor and indoor)	m	10	10
	Max. equivalent connection pipe length(outdoor to last indoor)	m	20	20
	Connection Pipe Max. Length Distance(total length)	m	70	70

The above data is subject to change without notice. Please refer to the nameplate of the unit.

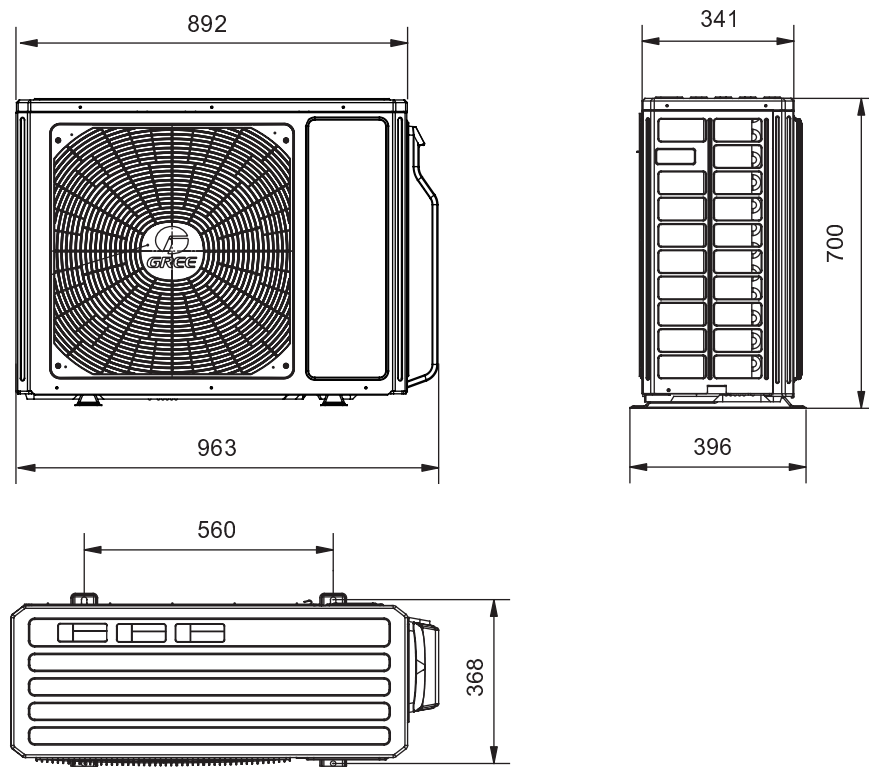
3. Outline Dimension Diagram

(1)Model:GWHD(14)NK3DO



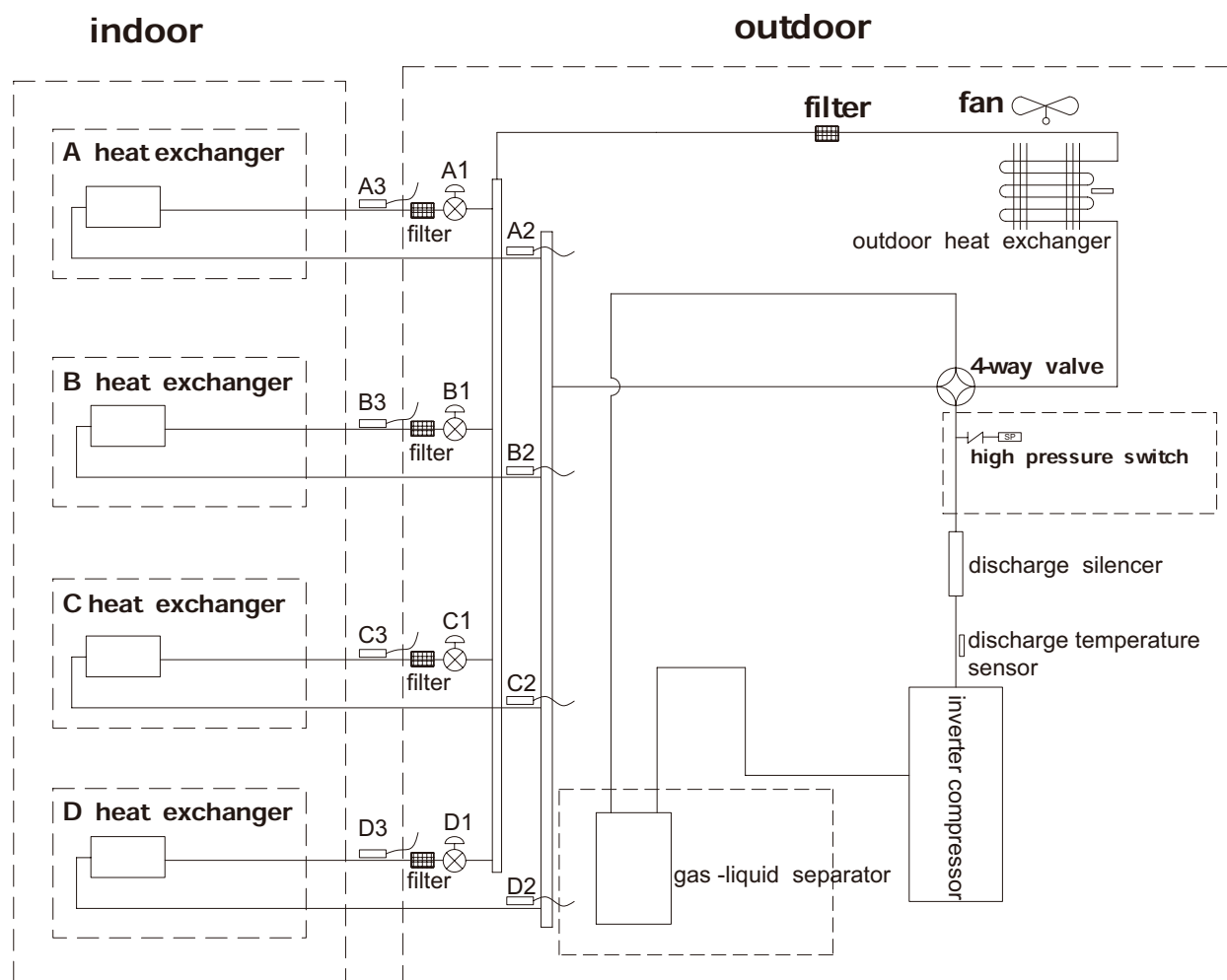
Unit:mm

(2)Models:GWHD(18)NK3KO GWHD(21)NK3KO



Unit:mm

4. Refrigerant System Diagram



A1:A-unit electronic expansion valve B1:B-unit electronic expansion valve
 C1:C-unit electronic expansion valve D1:D-unit electronic expansion valve
 A2A-unit gas pipe temperature sensor B2B-unit gas pipe temperature sensor
 C2C-unit gas pipe temperature sensor D2D-unit gas pipe temperature sensor
 A3A-unit liquid pipe temperature sensor B3B-unit liquid pipe temperature sensor
 C3C-unit liquid pipe temperature sensor D3D-unit liquid pipe temperature sensor