HITACHI
Inspire the Next

TWIN SCREW COMPRESSOR TYPE HITACHI AIR-COOLED CHILLERS

NEW

H Series

R407C

R22

NEW The High-efficiency Air-cooled Chiller "H series"

The air-cooled chiller "H series" with improved efficiency and functionality by several advanced technologies.
This series with the world's best standard A-type screw compressor and newly designed shell and tube heat exchanger that have powerful cooling ability, low noise, low vibration, high efficiency and high reliability is the perfect answer to all your needs!!

Enhanced Line-up ～up to 400 HP～

High-performance A-type Screw Compressor

Precise Capacity Control Technology

Excellent Control Function

Highly Reliable Shell and Tube Heat Exchanger

Product Series

RCUG-AHYZ1

Nominal Capacity Range (50Hz)

R407C

110 kW to 1,089 kW
31 USRT to 310 USRT
94,600 kcal/h to 936,540 kcal/h

RCU-AHYZ1

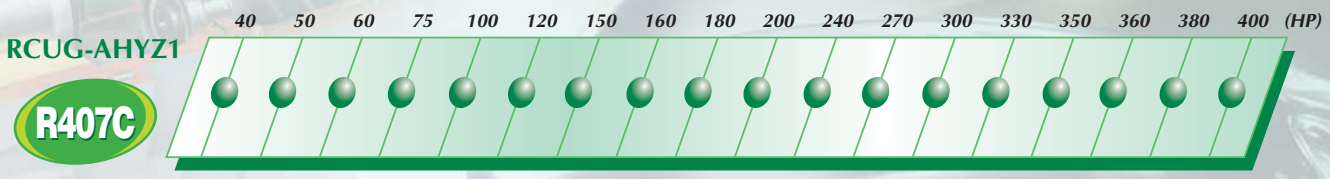
Nominal Capacity Range (50Hz)

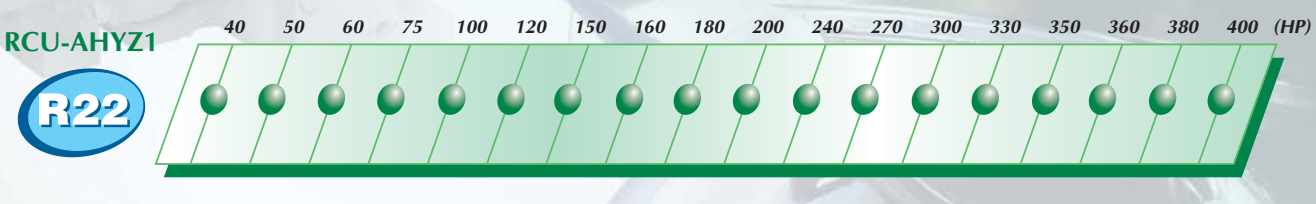
R22

116 kW to 1,146 kW
33 USRT to 326 USRT
99,760 kcal/h to 985,560 kcal/h

Wide Line-up

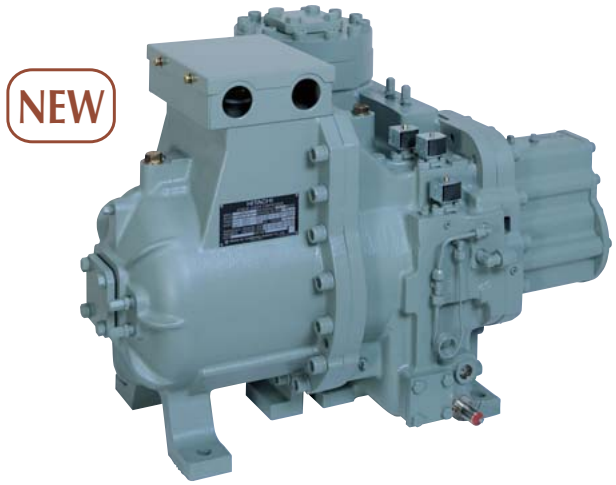
To meet the need for air conditioning systems for large facilities and the demand for higher capacity industrial cooling systems.





Technical Features

High-performance A-type Screw Compressor ～Newly Designed～



Built-in Cyclone Oil Separator

Low oil carrying-out is realized and reduction of heat transfer efficiency is minimized.

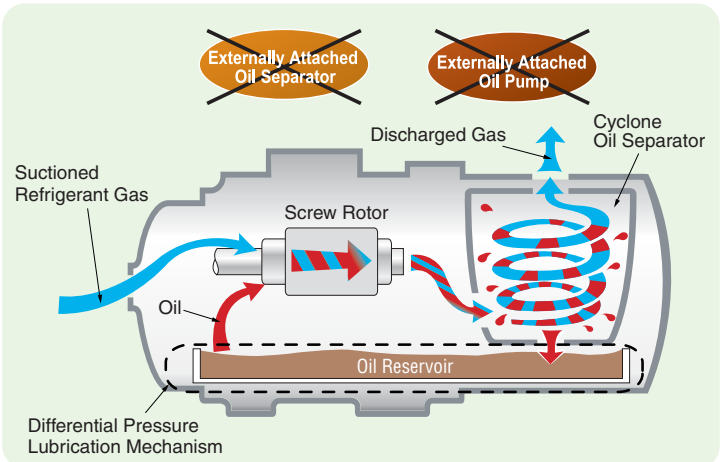
High Technology by Internal Manufacture

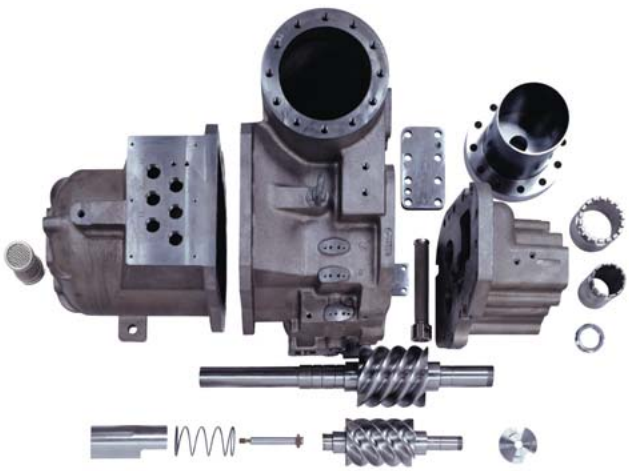
Because all manufacturing processes, from rotor manufacturing to unit assembly, are done internally, exceptional reliability is achieved.

No outside pump is required due to the reliable differential-pressure oil-feeding system.

This oil-feeding system, which does not use any electrical mechanism, prevents the compressor from being damaged and maintains long-term stable operation.

☐ New Screw Compressor Operation Image





Simple Structure with a Small Number of Parts

Whereas the number of main parts for the casing, compression mechanism and capacity control mechanism of a reciprocating compressor is **268**, that of a screw compressor is only **27**, just one tenth of the number ! A structure with so few parts offers high reliability and easy maintenance.

Low Vibration Level

No exclusive vibration control equipment is necessary by using low-vibration screw compressor.

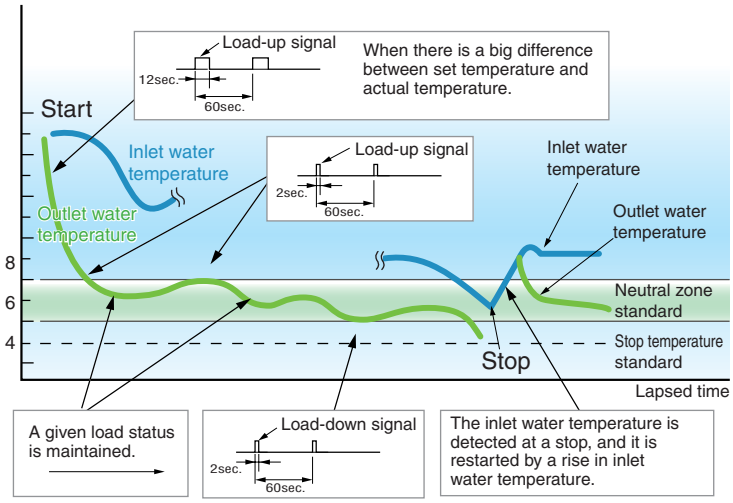
☐ Vibration Comparison

Type		Reciprocating	Screw
Comp. speed (rpm) 50/60Hz		1,430 / 1,720	**2,880 / 3,470**
Full amplitude	At leg of comp.	20−30	**5−8**
	At base frame	20	**Less than 10**
Vib. frequecy	At leg of comp.	23.8 / 28.7	**48.5 / 57.8**
	At base frame	23.8 / 28.7	**48 / 57.8**
Acceleration energy		Screw: 1/5 of reciprocating type	

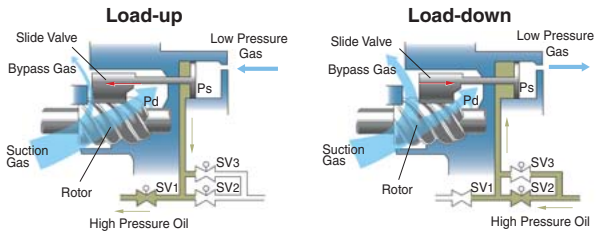
Precise Capacity Control Technology

Continuous Capacity Control

The temperature of the chilled water outlet can be kept at the set temperature ±1°C by continuous capacity control, so it is suitable for industrial use.



Capacity Controller Structural Outline (HITACHI Patented System)



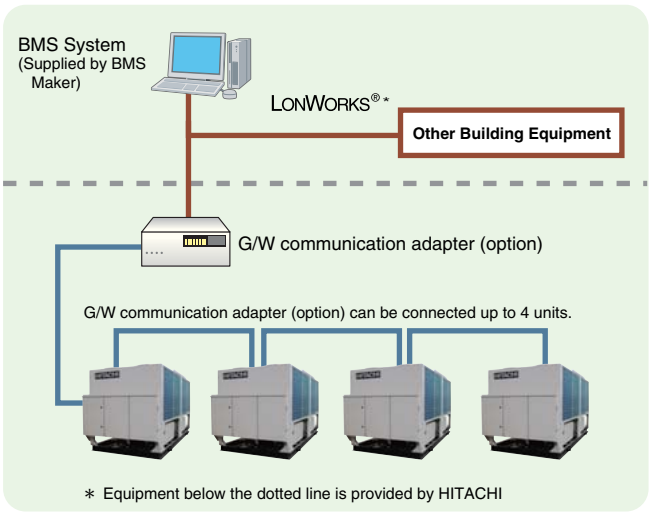
Pd: Discharge pressure, Ps: Suction pressure,
SV1,2,3 : Solenoid valve : Valve open : Valve close

Excellent Control Function

Building Management System (BMS)

Hitachi uses Building Management System through LONWORKS®. For chiller air-conditioning, Hitachi provides its own central station system. No complicated work is necessary.

* : "LONWORKS®" is a trademark of Echelon Corporation registered in the United States and other countries.



List of Functions

Remote Setting

- ON / OFF Operation
- Chilled Water Temperature (Inlet or Outlet)

Remote Monitor

- ON / OFF Status
- Setting Chilled Water Temperature (Inlet or Outlet)
- Current Water Temperature of Inlet and Outlet
- Alarm Code

* In addition, up to 8 units can be connected using the G/W communication adapter for the Hitachi Chiller Unit signal (RS485).

Highly Reliable Shell and Tube Heat Exchanger ～Newly Designed～

- Dry expansion cooler system
- Low environmental impact: refrigerant quantity reduced by 60% from the current unit
- Perfect matching with the chiller unit due to our own design
  - Downsized by redesigned heat-transfer tube
  - Improved efficiency by optimized refrigerant distribution

R407C General Data

Model				RCUG40AHYZ1	RCUG50AHYZ1	RCUG60AHYZ1	RCUG75AHYZ1	RCUG100AHYZ1
Power Source				Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz				
Nominal Cooling Capacity*1			kW	110	136	170	181	272
			USRT	31	39	48	51	77
			kcal/h	94,600	116,960	146,200	155,660	233,920
Capacity Control				Continuous Capacity Control				
			%	100～15, 0				100～15(7.5)*2, 0
Outer Dimensions		Height	mm	2,170	2,170	2,170	2,170	2,170
		Width		1,940	1,940	1,940	1,940	1,940
		Depth		2,390	2,390	2,390	2,390	4,490
Net Weight			kg	1,790	1,830	1,870	1,890	3,210
Refrigerant		Type		R407C				
		Flow Control		Thermal Expansion Valve				
		Number of Circuits		1				2
Compressor		Type		Semi-Hermetic Screw Type				
		Model		40ASCC-Z	50ASCC-Z	60ASCC-Z	60ASCC-Z	50ASCC-Z
		Quantity		1				2
Heat Exchanger		Condenser		Cross Fin Type				
	Fan Motor	Condenser Fan		Direct Drive Propeller Fan				
		Power Intput	kW	1.1	1.1	1.1	1.1	1.1
		Quantity		4	4	4	4	8
		Evaporator		Shell-and-Tube Type				
Safety Devices				Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve				
Shipping Dimensions		Height	mm	2,510	2,510	2,510	2,510	2,510
		Width		2,190	2,190	2,190	2,190	2,190
		Depth		2,600	2,600	2,600	2,600	4,700
Shipping Weight			kg	2,000	2,040	2,080	2,100	3,610
Piping Connections for Water Side Heat Exchanger		Inlet		With ϕ 90 Inner Diameter Companion Flange				With ϕ 142 Inner Diameter Companion Flange
		Outlet						
Connection Hole		Main Power (square orifice)	mm	500 x 160				
		Circuit		ϕ 48; ϕ 64.5; ϕ 102; ϕ 52				2 x ϕ 48; ϕ 64.5; ϕ 102; ϕ 52

Model				RCUG270AHYZ1	RCUG300AHYZ1	RCUG330AHYZ1	RCUG350AHYZ1	RCUG360AHYZ1
Power Source				Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz				
Nominal Cooling Capacity*1			kW	703	726	873	907	1,020
			USRT	200	206	248	258	290
			kcal/h	604,580	624,360	750,780	780,020	877,200
Capacity Control				Continuous Capacity Control				
			%	100～15(7.5)*2, 0		100～15(6)*2, 0		100～15(7.5)*2, 0
Outer Dimensions		Height	mm	2,170	2,170	2,170	2,170	2,170
		Width		1,940	1,940	1,940	1,940	1,940
		Depth		9,080(min.)	9,080(min.)	11,180(min.)	11,180(min.)	13,280(min.)
Net Weight			kg	3,320 + 3,280	2 x 3,320	4,865 + 3,320	4,900 + 3,320	2 x 4,865
Refrigerant		Type		R407C				
		Flow Control		Thermal Expansion Valve				
		Number of Circuits		4		5		6
Compressor		Type		Semi-Hermetic Screw Type				
		Model		60ASCC-Z	60ASCC-Z	60ASCC-Z	60ASCC-Z	60ASCC-Z
		Quantity		4		5		6
Heat Exchanger		Condenser		Cross Fin Type				
	Fan Motor	Condenser Fan		Direct Drive Propeller Fan				
		Power Intput	kW	1.1	1.1	1.1	1.1	1.1
		Quantity		8 + 8	2 x 8	12 + 8	12 + 8	2 x 12
		Evaporator		Shell-and-Tube Type				
Safety Devices				Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve				
Shipping Dimensions		Height	mm	2,510	2,510	2,510	2,510	2,510
		Width		2,190	2,190	2,190	2,190	2,190
		Depth		2 x 4,700	2 x 4,700	6,800 + 4,700	6,800 + 4,700	2 x 6,800
Shipping Weight			kg	3,720 + 3,680	2 x 3,720	5,500 + 3,720	5,535 + 3,720	2 x 5,500
Piping Connections for Water Side Heat Exchanger		Inlet		With ϕ 142 Inner Diameter Companion Flange				
		Outlet						
Connection Hole		Main Power (square orifice)	mm	2 x 500 x 160				
		Circuit		4 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 2 x ϕ 52		5 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 3 x ϕ 52		6 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 4 x ϕ 52

	RCUG120AHYZ1	RCUG150AHYZ1	RCUG160AHYZ1	RCUG180AHYZ1	RCUG200AHYZ1	RCUG240AHYZ1
	Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz					
	340	363	408	510	544	680
	97	103	116	145	155	193
	292,400	312,180	350,880	438,600	467,840	584,800
	Continuous Capacity Control					
	100～15(7.5)*2, 0		100～15(5)*2, 0			100～15(7.5)*2, 0
	2,170	2,170	2,170	2,170	2,170	2,170
	1,940	1,940	1,940	1,940	1,940	1,940
	4,490	4,490	6,590	6,590	6,590	9,080(min.)
	3,280	3,320	4,745	4,865	4,900	2 x 3,280
	R407C					
	Thermal Expansion Valve					
	2		3			4
	Semi-Hermetic Screw Type					
	60ASCC-Z	60ASCC-Z	50ASCC-Z	60ASCC-Z	60ASCC-Z	60ASCC-Z
	2		3			4
	Cross Fin Type					
	Direct Drive Propeller Fan					
	1.1	1.1	1.1	1.1	1.1	1.1
	8	8	12	12	12	2 x 8
	Shell-and-Tube Type					
	Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve					
	2,510	2,510	2,510	2,510	2,510	2,510
	2,190	2,190	2,190	2,190	2,190	2,190
	4,700	4,700	6,800	6,800	6,800	2 x 4,700
	3,680	3,720	5,380	5,500	5,535	2 x 3,680
	With ϕ 142 Inner Diameter Companion Flange					
	500 x 160					2 x 500 x 160
	2 x ϕ 48; ϕ 64.5; ϕ 102; ϕ 52		3 x ϕ 48; ϕ 64.5; ϕ 102; 2 x ϕ 52			4 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 2 x ϕ 52

	RCUG380AHYZ1	RCUG400AHYZ1
	Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz	
	1,055	1,089
	300	310
	907,300	936,540
	Continuous Capacity Control	
	100～15(7.5)*2, 0	
	2,170	2,170
	1,940	1,940
	13,280(min.)	13,280(min.)
	4,900 + 4,865	2 x 4,900
	R407C	
	Thermal Expansion Valve	
	6	
	Semi-Hermetic Screw Type	
	60ASCC-Z	60ASCC-Z
	6	
	Cross Fin Type	
	Direct Drive Propeller Fan	
	1.1	1.1
	12 + 12	2 x 12
	Shell-and-Tube Type	
	Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve	
	2,510	2,510
	2,190	2,190
	2 x 6,800	2 x 6,800
	5,535 + 5,500	2 x 5,535
	With ϕ 142 Inner Diameter Companion Flange	
	2 x 500 x 160	
	6 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 4 x ϕ 52	

NOTES:

1. The nominal cooling capacities are based on the following conditions. (*1)
   Chilled Water Inlet / Outlet Temperature: 12˚C / 7˚C
   Condenser Air Inlet Temperature: 35˚C(DB)

2. The units greater than 240AHYZ1 including 240AHYZ1consist of two modules and are separately shipped.
   The common chilled water piping (Filed-Supplied) between each water cooler shall be directly connected at site.

3. Water Flow
   1) RCUG240, 300, 360, 400AHYZ1
      It is necessary to control the common water flow volume to each cooler.
   2) RCUG270, 330, 350, 380AHYZ1
      The chilled water flow rate is different between No.1 & No.2 units.
      It is necessary to control the water flow volume of each unit with adjusting valves (Filed-Supplied).

4. It is required to connect electrical control wires between No.1 & No.2 units for the unit greater than 240AHYZ1 including 240AHYZ1.

5. ( ) marked with *2 is available by selection switch.

Working Range

Item	Standard
Chilled Water Outlet Temperature	5～15˚C
Condenser Air Inlet Temperature (DB)	5～43˚C

R22 General Data

Model				RCU40AHYZ1	RCU50AHYZ1	RCU60AHYZ1	RCU75AHYZ1	RCU100AHYZ1
Power Source				Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz				
Nominal Cooling Capacity*1			kW	116	143	179	191	286
			USRT	33	41	51	54	81
			kcal/h	99,760	122,980	153,940	164,260	245,960
Capacity Control				Continuous Capacity Control				
			%	100～15, 0				100～15(7.5)*2, 0
Outer Dimensions		Height	mm	2,170	2,170	2,170	2,170	2,170
		Width		1,940	1,940	1,940	1,940	1,940
		Depth		2,390	2,390	2,390	2,390	4,490
Net Weight			kg	1,790	1,830	1,870	1,890	3,210
Refrigerant		Type		R22				
		Flow Control		Thermal Expansion Valve				
		Number of Circuits		1				2
Compressor		Type		Semi-Hermetic Screw Type				
		Model		40ASCC-Z	50ASCC-Z	60ASCC-Z	60ASCC-Z	50ASCC-Z
		Quantity		1				2
Heat Exchanger		Condenser		Cross Fin Type				
	Fan Motor	Condenser Fan		Direct Drive Propeller Fan				
		Power Intput	kW	1.1	1.1	1.1	1.1	1.1
		Quantity		4	4	4	4	8
		Evaporator		Shell-and-Tube Type				
Safety Devices				Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve				
Shipping Dimensions		Height	mm	2,510	2,510	2,510	2,510	2,510
		Width		2,190	2,190	2,190	2,190	2,190
		Depth		2,600	2,600	2,600	2,600	4,700
Shipping Weight			kg	2,000	2,040	2,080	2,100	3,610
Piping Connections for Water Side Heat Exchanger		Inlet		With ϕ 90 Inner Diameter Companion Flange				With ϕ 142 Inner Diameter Companion Flange
		Outlet						
Connection Hole		Main Power (square orifice)	mm	500 x 160				
		Circuit		ϕ 48; ϕ 64.5; ϕ 102; ϕ 52				2 x ϕ 48; ϕ 64.5; ϕ 102; ϕ 52

Model				RCU270AHYZ1	RCU300AHYZ1	RCU330AHYZ1	RCU350AHYZ1	RCU360AHYZ1
Power Source				Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz				
Nominal Cooling Capacity*1			kW	740	764	919	955	1,074
			USRT	210	217	261	272	305
			kcal/h	636,400	657,040	790,340	821,300	923,640
Capacity Control				Continuous Capacity Control				
			%	100～15(7.5)*2, 0		100～15(6)*2, 0		100～15(7.5)*2, 0
Outer Dimensions		Height	mm	2,170	2,170	2,170	2,170	2,170
		Width		1,940	1,940	1,940	1,940	1,940
		Depth		9,080(min.)	9,080(min.)	11,180(min.)	11,180(min.)	13,280(min.)
Net Weight			kg	3,320 + 3,280	2 x 3,320	4,865 + 3,320	4,900 + 3,320	2 x 4,865
Refrigerant		Type		R22				
		Flow Control		Thermal Expansion Valve				
		Number of Circuits		4		5		6
Compressor		Type		Semi-Hermetic Screw Type				
		Model		60ASCC-Z	60ASCC-Z	60ASCC-Z	60ASCC-Z	60ASCC-Z
		Quantity		4		5		6
Heat Exchanger		Condenser		Cross Fin Type				
	Fan Motor	Condenser Fan		Direct Drive Propeller Fan				
		Power Intput	kW	1.1	1.1	1.1	1.1	1.1
		Quantity		8 + 8	2 x 8	12 + 8	12 + 8	2 x 12
		Evaporator		Shell-and-Tube Type				
Safety Devices				Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve				
Shipping Dimensions		Height	mm	2,510	2,510	2,510	2,510	2,510
		Width		2,190	2,190	2,190	2,190	2,190
		Depth		2 x 4,700	2 x 4,700	6,800 + 4,700	6,800 + 4,700	2 x 6,800
Shipping Weight			kg	3,720 + 3,680	2 x 3,720	5,500 + 3,720	5,535 + 3,720	2 x 5,500
Piping Connections for Water Side Heat Exchanger		Inlet		With ϕ 142 Inner Diameter Companion Flange				
		Outlet						
Connection Hole		Main Power (square orifice)	mm	2 x 500 x 160				
		Circuit		4 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 2 x ϕ 52		5 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 3 x ϕ 52		6 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 4 x ϕ 52

	RCU120AHYZ1	RCU150AHYZ1	RCU160AHYZ1	RCU180AHYZ1	RCU200AHYZ1	RCU240AHYZ1
	Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz					
	358	382	429	537	573	716
	102	109	122	153	163	204
	307,880	328,520	368,940	461,820	492,780	615,760
	Continuous Capacity Control					
	100～15(7.5)*2, 0		100～15(5)*2, 0			100～15(7.5)*2, 0
	2,170	2,170	2,170	2,170	2,170	2,170
	1,940	1,940	1,940	1,940	1,940	1,940
	4,490	4,490	6,590	6,590	6,590	9,080(min.)
	3,280	3,320	4,745	4,865	4,900	2 x 3,280
	R22					
	Thermal Expansion Valve					
	2		3			4
	Semi-Hermetic Screw Type					
	60ASCC-Z	60ASCC-Z	50ASCC-Z	60ASCC-Z	60ASCC-Z	60ASCC-Z
	2		3			4
	Cross Fin Type					
	Direct Drive Propeller Fan					
	1.1	1.1	1.1	1.1	1.1	1.1
	8	8	12	12	12	2 x 8
	Shell-and-Tube Type					
	Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve					
	2,510	2,510	2,510	2,510	2,510	2,510
	2,190	2,190	2,190	2,190	2,190	2,190
	4,700	4,700	6,800	6,800	6,800	2 x 4,700
	3,680	3,720	5,380	5,500	5,535	2 x 3,680
	With ϕ 142 Inner Diameter Companion Flange					
	500 x 160					2 x 500 x 160
	2 x ϕ 48; ϕ 64.5; ϕ 102; ϕ 52		3 x ϕ 48; ϕ 64.5; ϕ 102; 2 x ϕ 52			4 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 2 x ϕ 52

	RCU380AHYZ1	RCU400AHYZ1
	Main (AC 3 ϕ) 380, 415V / 50Hz, Control (AC 1 ϕ) 220, 240V / 50Hz	
	1,110	1,146
	316	326
	954,600	985,560
	Continuous Capacity Control	
	100～15(7.5)*2, 0	
	2,170	2,170
	1,940	1,940
	13,280(min.)	13,280(min.)
	4,900 + 4,865	2 x 4,900
	R22	
	Thermal Expansion Valve	
	6	
	Semi-Hermetic Screw Type	
	60ASCC-Z	60ASCC-Z
	6	
	Cross Fin Type	
	Direct Drive Propeller Fan	
	1.1	1.1
	12 + 12	2 x 12
	Shell-and-Tube Type	
	Overcurrent Relay for Compressor, Internal Thermostat for Compressor, Reverse Phase Protection Device for Compressor, Thermal Overcurrent Relay for Fan Motor, High-Pressure Switch, Low-Pressure Control, Suction Gas Temperature Control, Freeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve	
	2,510	2,510
	2,190	2,190
	2 x 6,800	2 x 6,800
	5,535 + 5,500	2 x 5,535
	With ϕ 142 Inner Diameter Companion Flange	
	2 x 500 x 160	
	6 x ϕ 48; 2 x ϕ 64.5; 2 x ϕ 102; 4 x ϕ 52	

NOTES:

1. The nominal cooling capacities are based on the following conditions. (*1)
   Chilled Water Inlet / Outlet Temperature: 12˚C / 7˚C
   Condenser Air Inlet Temperature: 35˚C(DB)

2. The units greater than 240AHYZ1 including 240AHYZ1consist of two modules and are separately shipped.
   The common chilled water piping (Filed-Supplied) between each water cooler shall be directly connected at site.

3. Water Flow
   1) RCU240, 300, 360, 400AHYZ1
      It is necessary to control the common water flow volume to each cooler.
   2) RCU270, 330, 350, 380AHYZ1
      The chilled water flow rate is different between No.1 & No.2 units.
      It is necessary to control the water flow volume of each unit with adjusting valves (Filed-Supplied).

4. It is required to connect electrical control wires between No.1 & No.2 units for the unit greater than 240AHYZ1 including 240AHYZ1.

5. ( ) marked with *2 is available by selection switch.

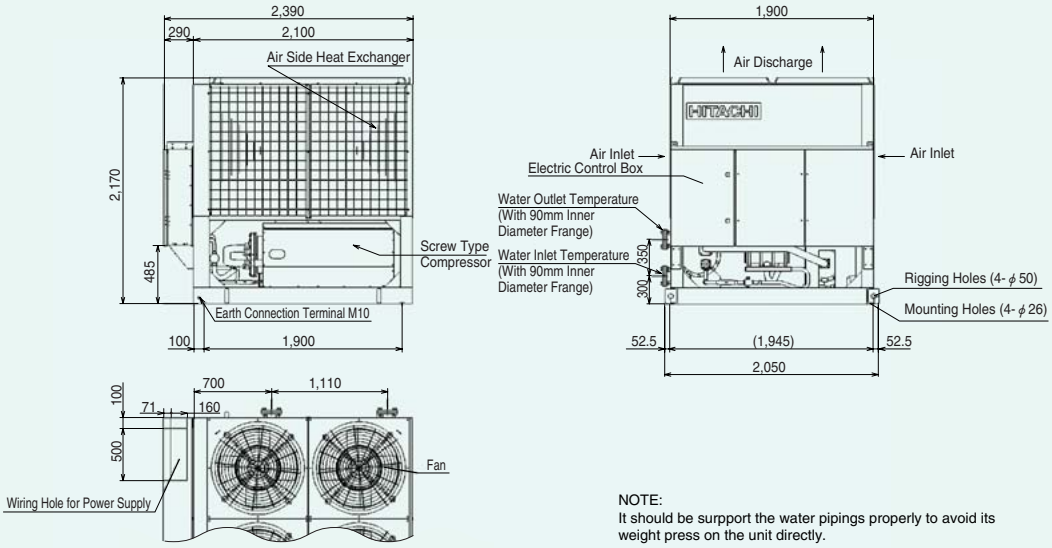
Working Range

Item	Standard
Chilled Water Outlet Temperature	5～15˚C
Condenser Air Inlet Temperature (DB)	5～43˚C

Dimensional Data

R407C RCUG40, 50, 60 and 75AHYZ1

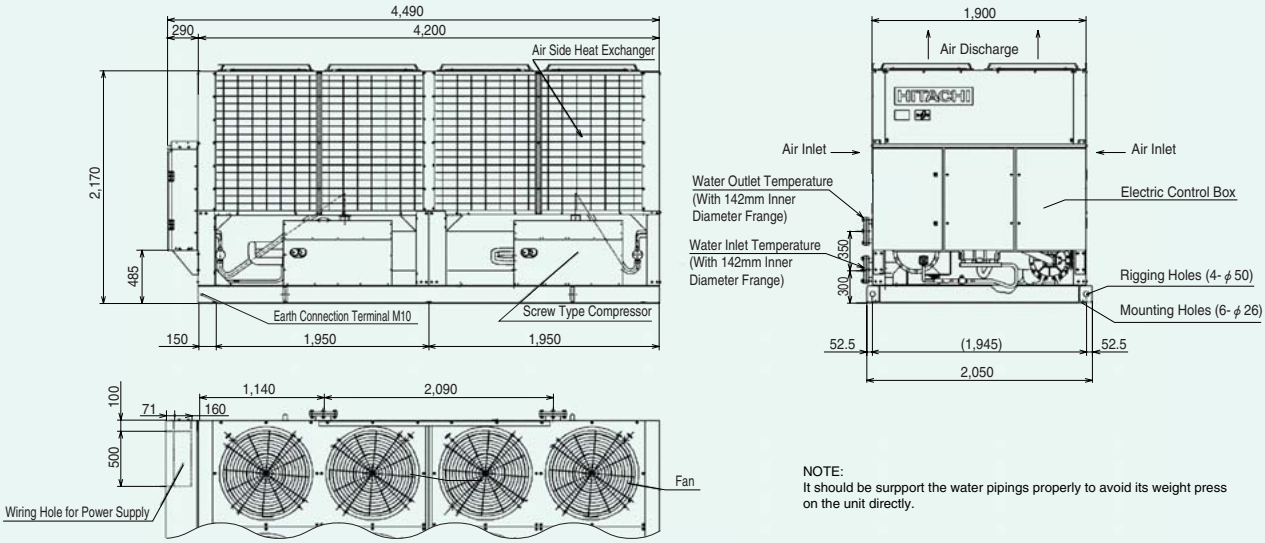
R22 RCU40, 50, 60 and 75AHYZ1



NOTE:
It should be surpport the water pipings properly to avoid its weight press on the unit directly.

R407C RCUG100, 120 and 150AHYZ1

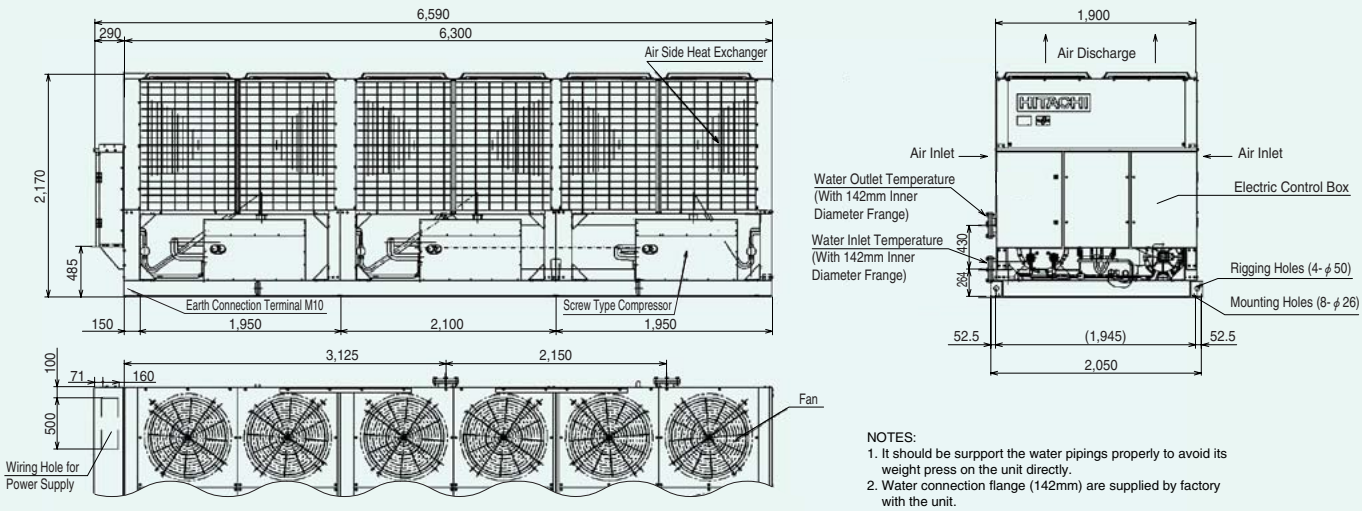
R22 RCU100, 120 and 150AHYZ1



NOTE:
It should be surpport the water pipings properly to avoid its weight press on the unit directly.

R407C RCUG160, 180 and 200AHYZ1

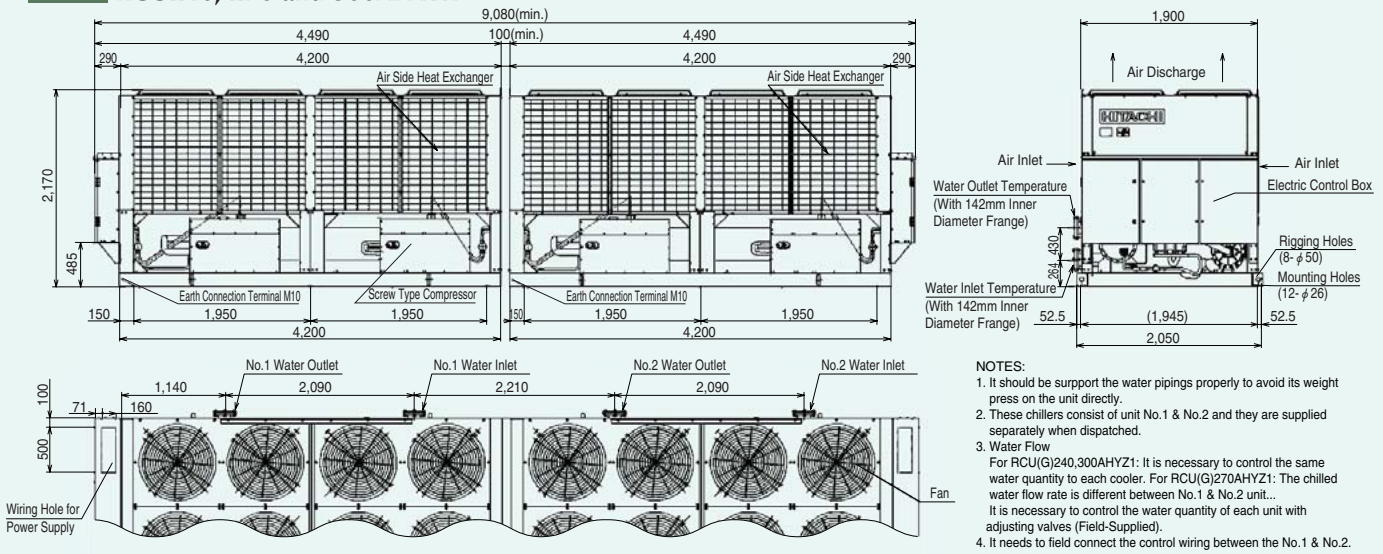
R22 RCU160, 180 and 200AHYZ1



NOTES:
1. It should be surpport the water pipings properly to avoid its weight press on the unit directly.
2. Water connection flange (142mm) are supplied by factory with the unit.

R407C RCUG240, 270 and 300AHYZ1

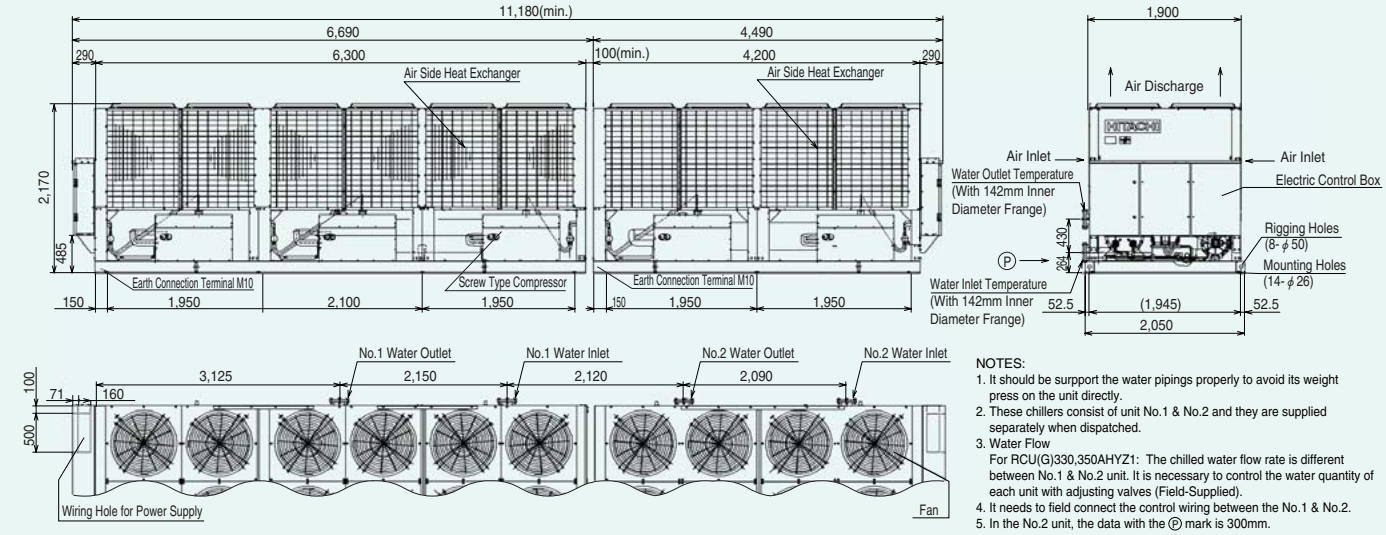
R22 RCU240, 270 and 300AHYZ1



NOTES:
1. It should be surpport the water pipings properly to avoid its weight press on the unit directly.
2. These chillers consist of unit No.1 & No.2 and they are supplied separately when dispatched.
3. Water Flow
   For RCU(G)240,300AHYZ1: It is necessary to control the same water quantity to each cooler. For RCU(G)270AHYZ1: The chilled water flow rate is different between No.1 & No.2 unit...
   It is necessary to control the water quantity of each unit with adjusting valves (Field-Supplied).
4. It needs to field connect the control wiring between the No.1 & No.2.

R407C RCUG330 and 350AHYZ1

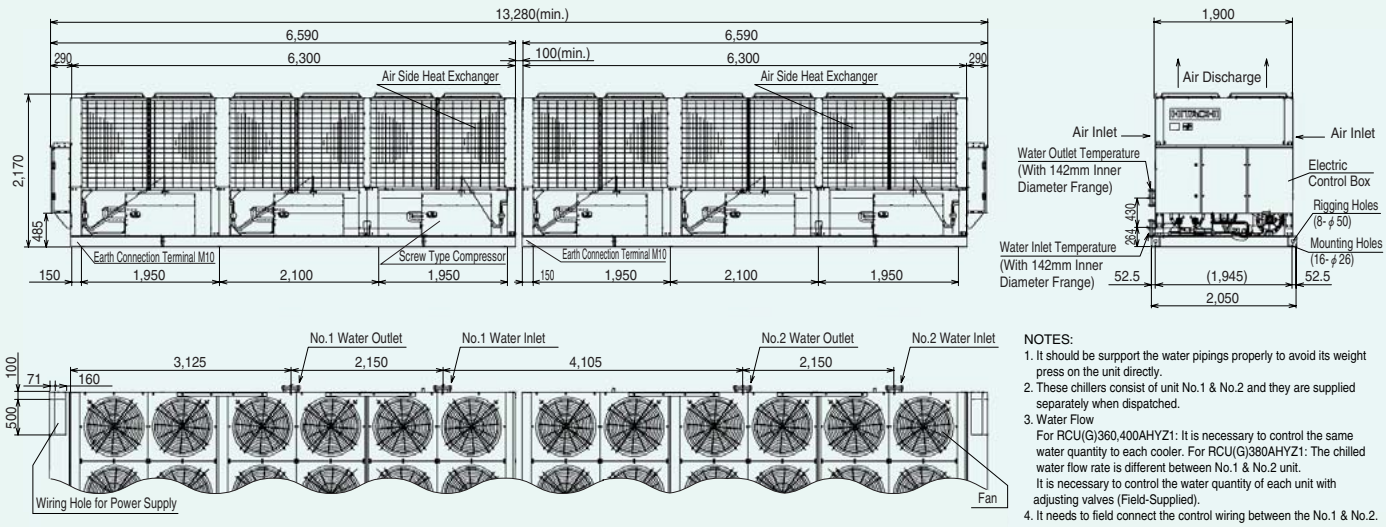
R22 RCU330 and 350AHYZ1



NOTES:
1. It should be surpport the water pipings properly to avoid its weight press on the unit directly.
2. These chillers consist of unit No.1 & No.2 and they are supplied separately when dispatched.
3. Water Flow
   For RCU(G)330,350AHYZ1: The chilled water flow rate is different between No.1 & No.2 unit. It is necessary to control the water quantity of each unit with adjusting valves (Field-Supplied).
4. It needs to field connect the control wiring between the No.1 & No.2.
5. In the No.2 unit, the data with the Ⓟ mark is 300mm.

R407C RCUG360, 380 and 400AHYZ1

R22 RCU360, 380 and 400AHYZ1



NOTES:
1. It should be surpport the water pipings properly to avoid its weight press on the unit directly.
2. These chillers consist of unit No.1 & No.2 and they are supplied separately when dispatched.
3. Water Flow
   For RCU(G)360,400AHYZ1: It is necessary to control the same water quantity to each cooler. For RCU(G)380AHYZ1: The chilled water flow rate is different between No.1 & No.2 unit.
   It is necessary to control the water quantity of each unit with adjusting valves (Field-Supplied).
4. It needs to field connect the control wiring between the No.1 & No.2.

HITACHI

Hitachi Appliances, Inc.

URL : http://www.hitachi-ap.com

Specifications in this catalogue are subject to change without notice in order that HITACHI may bring the latest innovations to their customers.

Distributed By :

ISO 9001

ISO 14001

Printed in Japan (H) **HR-E577Q** Apr. 2009