TWIN SCREW COMPRESSOR TYPE HITACHI AIR-COOLED CHILLERS



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HITACHI Inspire the Next





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!!



E nhanced Line-up ~up to 400 HP~

igh-performance A-type Screw Compressor

P recise Capacity Control Technology

E xcellent Control Function

ighly Reliable Shell and Tube Heat Exchanger



Product Series

RCUG-AHYZ1

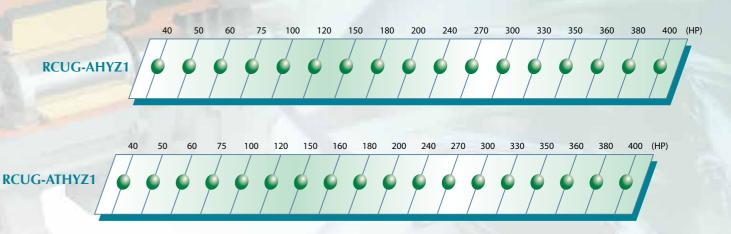
Nominal Capacity Range (50Hz)

R407

110 kW to 1.089 kW 31 USRT to 310 USRT 94.600 kcal/h to 936.540 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.



Improved heat-exchange performance by using inverse M type Air Side Heat Exchanger

RCUG-ATHYZ1

Nominal Capacity Range (50Hz)

98 kW to 957 kW 28 USRT to 272 USRT 84.280 kcal/h to 823.020 kcal/h

Technical Features

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



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.



Low Vibration Level

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

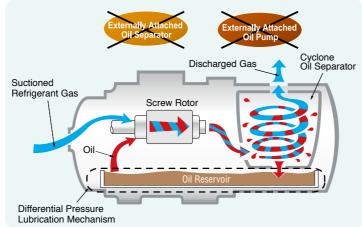
Built-in Cyclone Oil Separator

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.

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**, iust one tenth of the number !

A structure with so few parts offers high reliability and easy maintenance.

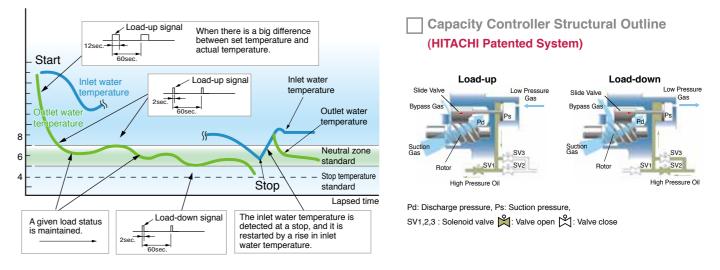
Vibration Comparison

	•		
Ту	pe	Reciprocating	Screw
Comp. speed (I	rpm) 50/60Hz	1,430 / 1,720	2,880 / 3,470
Full amplituda	At leg of comp.	20-30	5-8
Full amplitude	At base frame	20	Less than 10
Vib froquoov	At leg of comp.	23.8 / 28.7	48.5 / 57.8
Vib. frequecy	At base frame	23.8 / 28.7	48 / 57.8
Acceleration er	iergy	Screw: 1/5 of re	ciprocating type

Precise Capacity Control Technology

Continuous Capacity Control

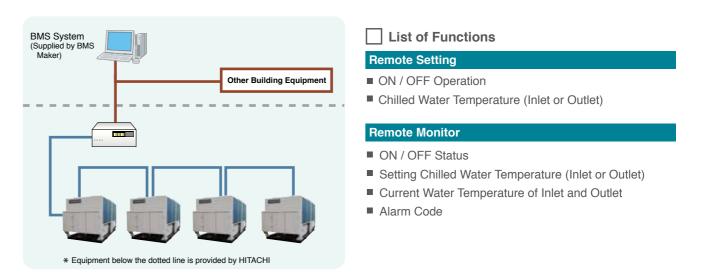
The temperature of the chilled water outlet can be kept at the set temperature ±1°C by continuous capacity control, so it is suitable for industrial use.



Excellent Control Function

Building Management System (BMS)

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



ighly 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

RCUG-AHYZ1 General Data

Model			RCUG40AHYZ1	RCUG50AHYZ1	RCUG60AHYZ1	RCUG75AHYZ1	RCUG100AHYZ1	RCUG120AHYZ1	RCUG150AHYZ1	RCUG180AHYZ1	RCUG200AHYZ1	RCUG240AHYZ1		
Power Source								Main	AC 3) 380, 415V / 50Hz,	Control (AC 1 \ \ \) 220, 240V	/ 50Hz			
kW		110	136	170	181	272	340	363	510	544	680			
Nominal Cooling C	Capacity*1	USRT	31	39	48	51	77	97	103	145	155	193		
		kcal/h	94,600	116,960	146,200	155,660	233,920	292,400	312,180	438,600	467,840	584,800		
Capacity Control Continuous Capacity Control							Continuous Capacity Control							
apacity Control		%		100~15, 0				100~15(7.5)* ² , 0		100~15(5)* ² , 0		100~15(7.5)* ² , 0		
	Height	mm	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170		
uter Dimensions	Width	mm	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057		
	Depth	mm	2,390	2,390	2,390	2,390	4,490	4,490	4,490	6,590	6,590	9,080(min.)		
et Weight		kg	1,790	1,830	1,870	1,890	3,210	3,280	3,320	4,865	4,900	2 x 3,280		
	Type R407C							R4	107C					
efrigerant	Flow Control			Thermal Exp	ansion Valve			Thermal Expansion Valve						
	Number of Circ	uits		1				2			3	4		
	Туре			Semi-Hermet	ic Screw Type			Semi-Hermetic Screw Type						
Compressor	Model		ASCCW-40Z	ASCCW-50Z	ASCCW-60Z	ASCCW-60Z	ASCCW-50Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z		
	Quantity			1			2 3					4		
leat Fan Exchanger Motor	Condenser			Cross F	Fin Type			Cross Fin Type						
	Condenser Fan			Direct Drive	Propeller Fan		Direct Drive Propeller Fan							
	Power Intput	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1		
	Quantity		4	4	4	4	8	8	8	12	12	2 x 8		
	Evaporator			Shell-and-Tube Type					Shell-and	-Tube Type				
Safety Devices			Thermal Overcurrent Relay for	ssor, Internal Thermostat for Co r Fan Motor, High-Pressure Swi Control, Oil Heater, Discharge C	tch, Low-Pressure Control, Suc	ction Gas Temperature Control,	Th Fro	ercurrent Relay for Compress ermal Overcurrent Relay for F eeze Protection Thermistor Co essure Relief Valve	an Motor, High-Pressure Sw	itch, Low-Pressure Control, S	uction Gas Temperature C	ontrol,		
hin nin n	Height	mm	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510		
hipping imensions	Width	mm	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190		
mensions	Depth	mm	2,600	2,600	2,600	2,600	4,700	4,700	4,700	6,800	6,800	2 x 4,700		
hipping Weight		kg	2,000	2,040	2,080	2,100	3,610	3,680	3,720	5,500	5,535	2 x 3,680		
Piping Connections for Inlet Water Side Heat Exchanger Outlet		t		With DN8	80 Flange		With DN125 Flange							
onnection Hole	Main Power (square orifice)	mm		233	x 140				233 x 140			2 x 233 x 140		
	Circuit	mm		3 x <i>ø</i> 48	; 2 x <i>ø</i> 75				3 x φ 48; φ 64; φ 52; 2 x φ 7	5		6 x φ 48; 2 x φ 64; 2 x φ 52; 4 x φ		

Model				RCUG270AHYZ1	RCUG300AHYZ1	RCUG330AHYZ1	RCUG350AHYZ1		RCUG360AHYZ1	RCUG380AHYZ1	RCUG400AHYZ1
Power Source	е			Mai	Main (AC 3 \u03c6) 380, 415V / 50Hz, Control (AC 1 \u03c6) 220, 240V / 50Hz Main (AC 3 \u03c6) 380, 415V / 50Hz, Control (AC 1 \u03c6) 220, 240V / 50Hz						
Nominal Cooling Capacity*1 KW USRT		703	726	873	907		1,020	1,055	1,089		
		SRT	200	206	248	258		290	300	310	
kcal/h			cal/h	604,580	624,360	750,780	780,020		877,200	907,300	936,540
Capacity Cor	atrol				Continuous Ca	apacity Control		Continuous Capacity Control			
Capacity Con			%	100~15	(7.5) ^{*2} , 0	100~1	5(6)* ² , 0			100~15(7.5) ^{*2} , 0	
	Height	n	nm	2,170	2,170	2,170	2,170		2,170	2,170	2,170
Outer Dimens	sions Width	n	nm	2,057	2,057	2,057	2,057		2,057	2,057	2,057
Net Weight	Depth	n	nm	9,080(min.)	9,080(min.)	11,180(min.)	11,180(min.)		13,280(min.)	13,280(min.)	13,280(min.)
Net Weight		ŀ	kg	3,320 + 3,280	2 x 3,320	4,865 + 3,320	4,900 + 3,320		2 x 4,865	4,900 + 4,865	2 x 4,900
	Туре				R40	07C				R407C	
Refrigerant	Flow Co	ontrol			Thermal Exp	ansion Valve				Thermal Expansion Valve	
	Number	r of Circuits		2	1				6		
	Туре				Semi-Hermet	ic Screw Type		Semi-Hermetic Screw Type			
Compressor	Model			ASCCW-60Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z		ASCCW-60Z	ASCCW-60Z	ASCCW-60Z
	Quantity	Quantity		2	4 5 6						
	Cond	denser			Cross F	Fin Type		Cross Fin Type			
Fan Condenser Fan		nser Fan			Direct Drive	Propeller Fan		Direct Drive Propeller Fan			
Heat	Motor Power I	Intput k	kW	1.1	1.1	1.1	1.1		1.1	1.1	1.1
Exchanger	Quantity	y		8 + 8	2 x 8	12 + 8	12 + 8		2 x 12	12 + 12	2 x 12
	Evapora	ator			Shell-and-	Tube Type			Shell-and-Tube Type		
Safety Device	Safety Devices			Dvercurrent 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, Treeze Protection Thermistor Control, Oil Heater, Discharge Gas Thermistor, Fusible Plug, Fuse for Control Circuit and Pressure Relief Valve					Device for Compressor, Therma Pressure Control, Suction Gas	sor, Internal Thermostat for Compr al Overcurrent Relay for Fan Motor, Temperature Control, Freeze Prote tor, Fusible Plug, Fuse for Control	High-Pressure Switch, Low- ection Thermistor Control, Oil
	Height	m	nm	2,510	2,510	2,510	2,510		2,510	2,510	2,510
Shipping	Width	m	nm	2,190	2,190	2,190	2,190		2,190	2,190	2,190
Dimensions	Depth	n	nm	2 x 4,700	2 x 4,700	6,800 + 4,700	6,800 + 4,700		2 x 6,800	2 x 6,800	2 x 6,800
Shipping Wei	ight	ŀ	kg	3,720 + 3,680	2 x 3,720	5,500 + 3,720	5,535 + 3,720		2 x 5,500	5,535 + 5,500	2 x 5,535
	Piping Connections for Inlet Water Side Heat Exchanger Outlet With DN125 Flange						With DN125 Flange	^			
Connection H	Main Po Iole (square		nm		2 x 23	3 x 140				2 x 233 x 140	
	Circuit	n	nm		6 x φ 48; 2 x φ 64;	; 2 x <i>φ</i> 52; 4 x <i>φ</i> 75			6 x	φ 48; 2 x φ 64; 2 x φ 52; 4 x φ	5 75

NOTES:

- 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)
- The units greater than 240AHYZ1 including 240AHYZ1 consist 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.
- 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).
- 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

RCUG-ATHYZ1 General Data

Model			RCUG40ATHYZ1	RCUG50ATHYZ1	RCUG60ATHYZ1	RCUG75ATHYZ1	RCUG100ATHYZ1	RCUG120ATHYZ1	RCUG150ATHYZ1	RCUG160ATHYZ1	RCUG180ATHYZ1	RCUG200ATHYZ1	RCUG240ATHYZ1	
Power Sourc					Hz		Main (AC 3 \(\phi\) 380, 415V / 50Hz,	Control (AC 1 φ) 220, 240V	′ 50Hz				
		kW	110	136	170	181	272	340	363	408	510	544	680	
Nominal Cooling Capacity*1 USRT			31	39	48	51	77	97	103	116	145	155	193	
		kcal/h	94,600	116,960	146,200	155,660	233,920	292,400	312,180	350,880	438,600	467,840	584,800	
		kW	98	119	150	160	239	299	319	358	449	479	598	
Nominal Coo	ling Capacity*2	USRT	28	34	43	45	68	85	91	102	128	136	170	
		kcal/h	84,280	102,340	129,000	137,600	205,540	257,140	274,340	307,880	386,140	411,940	514,280	
Capacity Control				C	ontinuous Capacity Cont	rol			Continuous Capacity Control					
Capacity COI		%		100~	15, 0		100~15(7.5)* ³ , 0	100~15	(7.5) ^{*3} , 0		100~15(5)* ³ , 0		100~15(7.5)* ³ , 0	
Outor	Height	mm	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170	2,170	
Outer Dimensions	Width	mm	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057	2,057	
	Depth	mm	2,390	2,390	2,390	2,390	4,490	4,490	4,490	6,590	6,590	6,590	9,080(min.)	
Net Weight		kg	1,790	1,830	1,870	1,890	3,210	3,280	3,320	4,745	4,865	4,900	2 x 3,280	
	Туре				R407C					R4	07C			
Refrigerant	Flow Control		Thermal Expansion Valve						Thermal Ex	pansion Valve				
	Number of Circuits				1		2		2 3					
	Туре			S	Semi-Hermetic Screw Typ	be			Semi-Hermetic Screw Type					
Compressor	Model		ASCCW-40Z	ASCCW-50Z	ASCCW-60Z	ASCCW-60Z	ASCCW-50Z	ASCCW-60Z	ASCCW-60Z	ASCCW-50Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z	
	Quantity				1		2		2		3		4	
	Condenser				Cross Fin Type				Cross Fin Type					
	Condenser F		Direct Drive Propeller Fan						Direct Drive Propeller Fan					
Heat	Fan Power Input	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Exchanger	Motor Quantity		4	4	4	4	8	8	8	12	12	12	2 x 8	
	Evaporator				Shell-and-Tube Type				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					ection Device for Control, Suction Thermistor,	Fan Motor, High	ay for Compressor, Internal Th -Pressure Switch, Low-Pressu Fusible Plug, Fuse for Control	re Control, Suction Gas Tempe	rature Control, Freeze Protect					
Chipping	Height	mm	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510	2,510	
Shipping Dimensions	Width	mm	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190	2,190	
	Depth	mm	2,600	2,600	2,600	2,600	4,700	4,700	4,700	6,800	6,800	6,800	2 x 4,700	
Shipping Wei	ight*4	kg	2,000	2,040	2,080	2,100	3,610	3,680	3,720	5,380	5,500	5,535	2 x 3,680	
Piping Connections forInletWater Side Heat ExchangerOutlet				With DN8	30 Flange		With DN125 Flange		With DN125 Flange					
Connection	Main Power (square orifice)	mm			500 x 160					500 x 160			2 x 500 x 160	
noie	Circuit	mm		φ 48; φ 64.5	: ø102: ø52		2 x \$\phi 48; \$\phi 64.5; \$\phi 102; \$\phi 52\$	2 x d 48 · d 64	.5; φ102; φ52	3	x \u03c6 48; \u03c6 64.5; \u03c6 102; 2 x \u03c6	52	4 x \$\phi 48; 2 x \$\phi 64.5; 2 x \$\phi 102; 2 x \$\phi 5	

NOTES:

RCUG380ATHYZ1 RCUG400ATHYZ1

1. The nominal cooling capacities are based	on the followin
*1 Chilled Water Inlet/Outlet Temperature	12°C/7°C
Condenser Air Inlet Temperature	35°C (DB)
*2 Chilled Water Inlet/Outlet Temperature	12°C/7°C
Condenser Air Inlet Temperature	46°C (DB)

2. The units greater than 240ATHYZ1 including 240ATHYZ1 consist of two modules and are separately shipped.(*4). The common chilled water piping (Filed-Supplied) between each water cooler shall be directly connected at site.

3. Water Flow 1) RCUG240,300,360,400ATHYZ1 It is necessary to control the common water flow volume to each cooler. 2) RCUG270,330,350,380ATHYZ1 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) .

It is required to connect electrical control wires between No.1&No.2 units for the unit greater than 240ATHYZ1 including 240ATHYZ1.

5. ()marked with *3 is available by selection switch.

6. Companion flanges are factory supplied.

Working Range Item

> Chilled Water Outlet Tempera

Condenser Air Inlet Temperature (DB)

MOUEI			RCOGZIOAINIZI	REGUGJUUAIHTZT	RCOGSSOATHIZT	RCOGSSOATHIZT	RCUGJOUAIRIZI		HC00300ATHTZ1	ncua400AIIIIZI		
Power Source	Э			Main (AC 3 \ \) 380	0, 415V / 50Hz, Control	(AC 1 \ \ \) 220, 240V / 5	0Hz	N	Aain (AC 3 φ) 380, 415V / 50Hz,	Control (AC 1 \u03c6) 220, 240V / 50Hz		
Nominal Cooling Capacity*1		703	726	873	907	1,020		1,055	1,089			
		USRT	200	206	248	258	290		300	310		
	kcal/h		604,580	624,360	750,780	780,020	877,200		907,300	936,540		
		kW	618	638	768	798	897		927	957		
Nominal Cool	ling Capacity*2	USRT	176	181	218	227	255		264	272		
		kcal/h	531,480	548,680	660,480	686,280	771,420		797,220	823,020		
Capacity Con	tral			Cr	ontinuous Capacity Conti			Continuous Capacity Control				
Capacity Con	litoi	%	100~15	(7.5)* ³ , 0	100~15	5(6)* ³ , 0	100~15(7.5)* ³ , 0		100~15	(7.5)* ³ , 0		
-	Height	mm	2,170	2,170	2,170	2,170	2,170		2,170	2,170		
Outer Dimensions	Width	mm	2,057	2,057	2,057	2,057	2,057		2,057	2,057		
Dimensions	Depth	mm	9,080(min.)	9,080(min.)	11,180(min.)	11,180(min.)	13,280(min.)		13,280(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		4,900 + 4,865	2 x 4,900		
	Туре				R407C				R4	07C		
Refrigerant	Flow Control			-	Thermal Expansion Valve	e			Thermal Exp	ansion Valve		
	Number of Circuits		4	4		5	6		1	6		
	Туре			S	Semi-Hermetic Screw Typ	be	-		Semi-Hermetic Screw Type			
Compressor	Model		ASCCW-60Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z	ASCCW-60Z		ASCCW-60Z	ASCCW-60Z		
	Quantity			4	1	5	6			6		
	Condenser				Cross Fin Type		Cross Fin Type					
	Condenser Fa	an		[Direct Drive Propeller Far		Direct Drive Propeller Fan					
Heat	Fan Power Input	kW	1.1	1.1	1.1	1.1	1.1		1.1	1.1		
Exchanger	Motor Quantity		8 + 8	2 x 8	12 + 8	12 + 8	2 x 12		12 + 12	2 x 12		
	Evaporator				Shell-and-Tube Type				Shell-and-	Tube Type		
Safety Device	25		Compressor, T Gas Temperatu	hermal Overcurrent Relay	nal Thermostat for Compre- for Fan Motor, High-Pressi ction Thermistor Control, O	ure Switch, Low-Pressure	e Control, Suction	P M C	Phase Protection Device for Compresso	sure Control, Suction Gas Temperature Control, Oil Heater, Discharge Gas		
<u>.</u>	Height	mm	2,510	2,510	2,510	2,510	2,510		2,510	2,510		
Shipping	Width	mm	2,190	2,190	2,190	2,190	2,190		2,190	2,190		
Dimensions	Depth	mm	2 x 4,700	2 x 4,700	6,800 + 4,700	6,800 + 4,700	2 x 6,800		2 x 6,800	2 x 6,800		
Shipping Weig	ght*4	kg	3,720 + 3,680	2 x 3,720	5,500 + 3,720	5,535 + 3,720	2 x 5,500		5,535 + 5,500	2 x 5,535		
Piping Connec Water Side He		et			With DN125 Flange		With DN1	25 Flange				
Connection Hole	Main Power (square orifice)	mm			2 x 500 x 160				2 x 500	0 x 160		
	Circuit	mm	4 x \$\phi 48; 2 x \$\phi 64.5; 2 x \$\phi 102; 2 x \$\phi 52 5 x \$\phi 48; 2 x \$\phi 64.5; 2 x \$\phi 102; 3 x \$\phi 52 6\$ \$\phi 48; 2 x \$\phi 64.5; 2 x \$\phi 102; 3 x \$\phi 52 6\$ \$\phi 102; 4 x \$\phi 102;				6 x \u03c6 48; 2 x \u03c6 64.5; 2 x \u03c6 102; 4 x \u03c6 52					

RCUG270ATHYZ1 RCUG300ATHYZ1 RCUG330ATHYZ1 RCUG350ATHYZ1 RCUG360ATHYZ1

7

Model

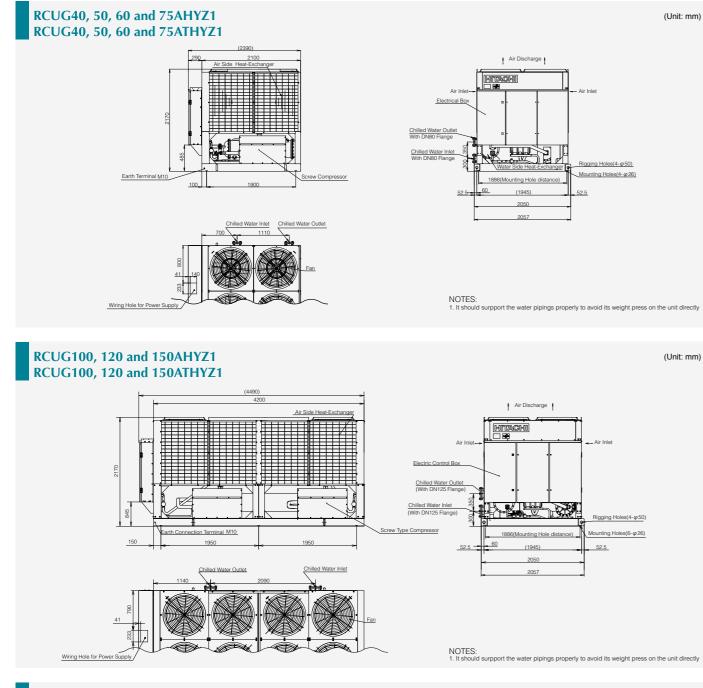
ng conditions:

7. Communication adapter connecting the unit to BMS (Building Management System) is an optional accessory, please contact with HITACHI or HITACHI distributor if required. For the details, please refer to Technical Catalog I.

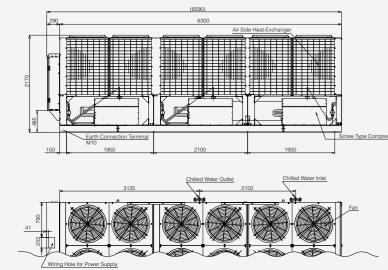
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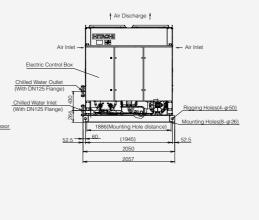
0		optiono
	Standard	Heat Recovery System
ature	5~10°C	Separate LCD Control Panel
	5~50°C	

Dimensional Data



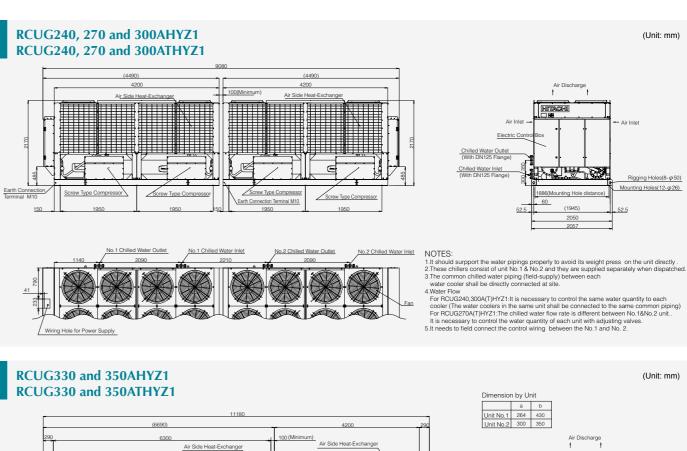
RCUG180 and 200AHYZ1 RCUG160,180 and 200ATHYZ1

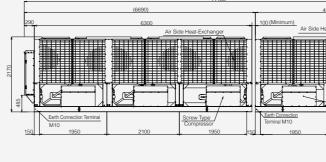


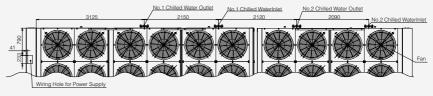


(Unit: mm)

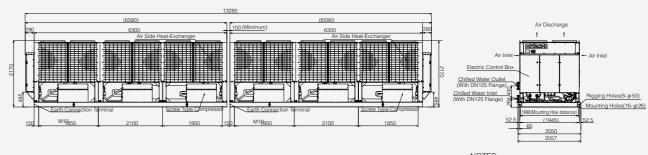
NOTES: 1. It should surpport the water pipings properly to avoid its weight press on the unit directly

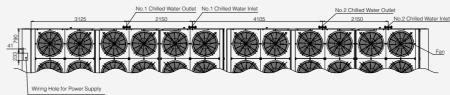






RCUG360, 380 and 400AHYZ1 RCUG360, 380 and 400ATHYZ1



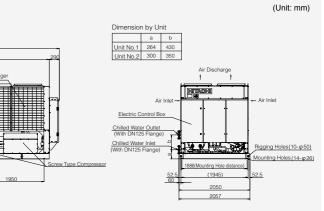


9

(Unit: mm)

Rigging Holes(8-φ50)

ounting Holes(12-@26)



NOTES:

- NOTES: 1.1 should 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. The common chilled water piping (field-supply) between each water cooler shall be directly connected at site. 4. Water Flow For RCUG330.350A(T)HYZ 1: 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. 5.It needs to field connect the control wiring between the No.1 and No. 2.

(Unit: mm)

NOTES:

- NOTES:
 1.1t should surport 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. The common chilled water piping (field-supply) between each water cooler shall be directly connected at site.
 4. Water Flow
 For RCUG360.400A(T)HYZ1:
 It is necessary to control the same water quantity to each (The water coolers in the same unit shall be connected to the same common piping)
 For RCUG380A(T)HYZ1:
 The chilled water flow rate is different between No.18No.2 unit...
 It is necessary to control the water quantity of each unit with adjusting valves.
 5.1t needs to field connect the control wiring between the No.1 and No. 2.