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**ADVANCED
PRODUCT NEWS**

SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 1 / 35

Summary

This advanced product news introduces the launching of new Water Chillers manufactured in JCH-ES, and informs about discontinuing of previous series:

DISCONTINUED series	NEW series	Description
RCME-AH1	RCME-AH2	Air-cooled Cooling-only Water Chiller
RHME-AH1	RHME-AH2	Air-to-Water Heat Pump Chiller
RCME-WH	RCME-WH1	Water-cooled Water Chiller
RCME-CLH	RCME-CLH1	Condenser-less Water Chiller

Index:

1. Applicable models and date of sales.....	2
2. Features	5
2.1. Updated 4-Fan module (1 compressor).....	5
2.2. New 6-Fan module (1 compressor).....	5
2.3. New 8-Fan module (2 compressors).....	5
2.4. Maximum capacity range increased	6
2.5. Tier 2 units.....	6
2.6. Easier Plate HEX removal	6
2.7. Easier Compressor serviceability	7
2.8. Reduced Footprint and Service Space.....	7
2.9. Reduced Water Pressure Drop.....	8
2.10. Increased Capacity for Water-cooled and Condenser-less modules.....	8
2.11. Expanded heating range in Water-cooled units	8
3. New Options	9
4. Working range.....	10
5. Chiller Pressure drop.....	12
6. Dimensional drawing	13
7. General specifications	16
8. Performance Tables	20
9. Standard Functions/Specifications	25
10. Options list	26
11. Accessories list	28
12. Electrical wiring diagrams.....	29
13. Service space.....	31
14. Lifting method.....	32
15. Electrical data	35

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PRODUCT NEWS**

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 2 / 35

Description:


1. Applicable models and date of sales
 <Discontinued Models> vs. <NEW Models>

RCME-AH1 series

Description	Code	Capacity (kW)	Power Source	Dispatch last orders
RCME-40AH1	8E041341	100	3N ~ 400V 50Hz	Oct 2017
RCME-50AH1	8E051341	125		
RCME-60AH1	8E061341	150		
RCME-70AH1	8E071341	175		
RCME-080/2AH1	8E080201	200		
RCME-090/2AH1	8E090201	225		
RCME-100/2AH1	8E100201	250		
RCME-110/2AH1	8E110201	275		
RCME-120/2AH1	8E120201	300		
RCME-130/2AH1	8E130201	325		
RCME-140/2AH1	8E140201	350		
RCME-150/3AH1	8E150301	375		
RCME-160/3AH1	8E160301	400		
RCME-170/3AH1	8E170301	425		
RCME-180/3AH1	8E180301	450		
RCME-190/3AH1	8E190301	475		
RCME-200/3AH1	8E200301	500		
RCME-210/3AH1	8E210301	525		

RCME-AH2 series



Description	Code	Cooling Capacity (kW)	Power Source	Start to receive orders	Date of earliest dispatch	Production Site
RCME-60AH2	8E061342	160	3N ~ 400V 50Hz	Aug/1 st 2017	Oct/10 th 2017	Hitachi Air Conditioning Products Europe, S.A.U. 
RCME-70AH2	8E071342	180				
RCME-80AH2	8E081342	205				
RCME-90AH2	8E091342	225				
RCME-120AH2	8E121342	320				
RCME-140AH2	8E141342	360				

Hitachi Air Conditioning Products Europe, S. A.
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No

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Discontinuing of AH1, WH, and CLH Water Chillers series.


DATE: Jul.'17
PAGE 3 / 35

RHME-AH1 series

Description	Code	Cooling Capacity (kW)	Heating Capacity (kW)	Power Source	Dispatch last orders
RHME-40AH1	9E041341	95	92	3N ~ 400V 50Hz	Sep/25 th 2017
RHME-50AH1	9E051341	119	115		
RHME-60AH1	9E061341	143	138		
RHME-70AH1	9E071341	160	138		
RHME-080/2AH1	9E080201	190	184		
RHME-090/2AH1	9E090201	214	207		
RHME-100/2AH1	9E100201	238	230		
RHME-110/2AH1	9E110201	262	253		
RHME-120/2AH1	9E120201	286	276		
RHME-130/2AH1	9E130201	303	276		
RHME-140/2AH1	9E140201	320	276		
RHME-150/3AH1	9E150301	357	345		
RHME-160/3AH1	9E160301	381	368		
RHME-170/3AH1	9E170301	405	391		
RHME-180/3AH1	9E180301	429	414		
RHME-190/3AH1	9E190301	446	414		
RHME-200/3AH1	9E200301	463	414		
RHME-210/3AH1	9E210301	480	414		

RHME-AH2 series



Description	Code	Cooling Capacity (kW)	Heating Capacity (kW)	Power Source	Start to receive orders	Date of earliest dispatch	Production Site
RHME-60AH2	9E061342	150	145	3N ~ 400V 50Hz	Aug/1 st 2017	Nov/10 th 2017	Hitachi Air Conditioning Products Europe, S.A.U. 
RHME-70AH2	9E071342	170	145				
RHME-80AH2	9E081342	195	185				
RHME-90AH2	9E091342	210	185				
RHME-120AH2	9E121342	300	290				
RHME-140AH2	9E141342	340	290				

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 4 / 35

RCME-WH series

Description	Code	Capacity (kW)	Power Source	Dispatch last orders
RCME-40WH	8E040340	140	3N ~ 400V 50Hz	Oct 2017
RCME-50WH	8E050340	180		
RCME-60WH	8E060340	215		
RCME-70WH	8E070340	240		

RCME-WH1 series



Description	Code	Capacity (kW)	Power Source	Start to receive orders	Date of earliest dispatch	Production Site
RCME-40WH1	8E040341	140	3N ~ 400V 50Hz	Aug/1 st 2017	Oct/10 th 2017	Hitachi Air Conditioning Products Europe, S.A.U.
RCME-50WH1	8E050341	180				
RCME-60WH1	8E060341	220				
RCME-70WH1	8E070341	250				



RCME-CLH series

Description	Code	Capacity (kW)	Power Source	Dispatch last orders
RCME-40CLH	8E042340	135	3N ~ 400V 50Hz	Oct 2017
RCME-50CLH	8E052340	170		
RCME-60CLH	8E062340	205		

RCME-CLH1 series



Description	Code	Capacity (kW)	Power Source	Start to receive orders	Date of earliest dispatch	Production Site
RCME-40CLH1	8E042341	135	3N ~ 400V 50Hz	Aug/1 st 2017	Oct/10 th 2017	Hitachi Air Conditioning Products Europe, S.A.U.
RCME-50CLH1	8E052341	175				
RCME-60CLH1	8E062341	215				



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SUBJECT
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 5 / 35

2. Features

2.1. Updated 4-Fan module (1 compressor)



2 different sizes:
 60HP (without Economiser)
 70HP (with Economiser)

Capacity (kW) increased compared to equivalent AH1 modules:

	AH1		AH2
60HP	150	➔	160
70HP	175	➔	180

2.2. New 6-Fan module (1 compressor)



2 different sizes:
 80HP (without Economiser)
 90HP (with Economiser)

Capacity expanded up to 225kW.

1 refrigerant circuit, 1 compressor.

1 x Water inlet, 1 x Water outlet.

Reduced Service Space

2.3. New 8-Fan module (2 compressors)



2 different sizes:
 2 x 60HP → 120HP (without Economiser)
 2 x 70HP → 140HP (with Economiser)

Capacity expanded up to 360kW.

2 refrigerant circuits, 2 compressors.
 Both circuits operate simultaneously (same as old AG2 series).

2 x Water inlet, 2 x Water outlet.

1 x Electrical Panel → only 1 x Power Supply needed

Lifted as 1 single block.

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 6 / 35

2.4. Maximum capacity range increased

Thanks to the new 8-Fan module, the maximum Capacity of both RCME-AH2 and RHME-AH2 is increased as follows:

Cooling

Heating

BEFORE (AH1)	8 x 70HP	8 x 175kW = 1400kW	8 x 70HP	8 x 138kW = 1104kW
AFTER (AH2)	8 x 140HP	8 x 360kW = 2880kW	8 x 140HP	8 x 290kW = 2320kW

2.5. Tier 2 units

All new series clear the Tier 2 of ErP in terms of SEER, SEPR and SCOP:

SEER → Jan'21

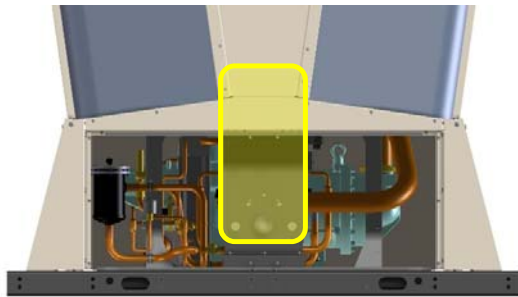
SEPR → Jul'18 (Medium Temperature) ; Jan'21 (High Temperature)

SCOP → Sep'17

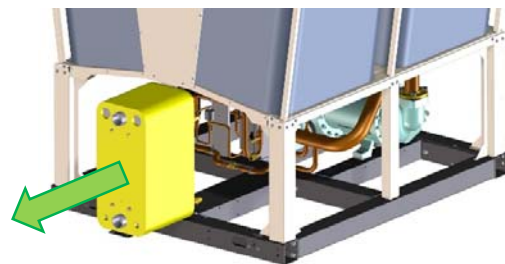
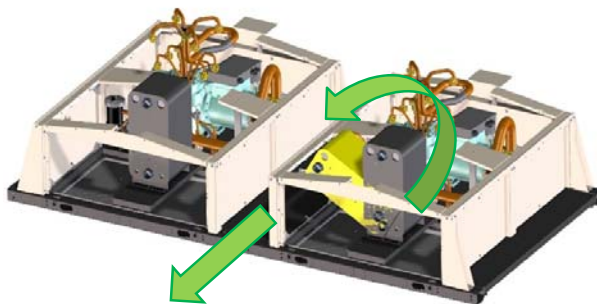
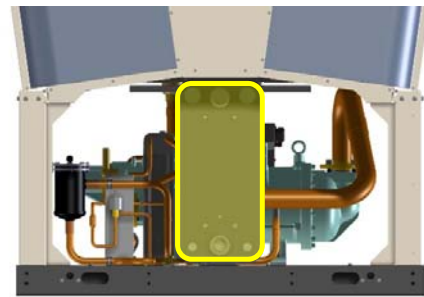
2.6. Easier Plate HEX removal

The new unit structure of the Air-cooled and Heat Pump units make possible the extraction of the Plate Heat Exchanger from rear side, becoming much easier than in the previous models (AH1).

AH1



AH2



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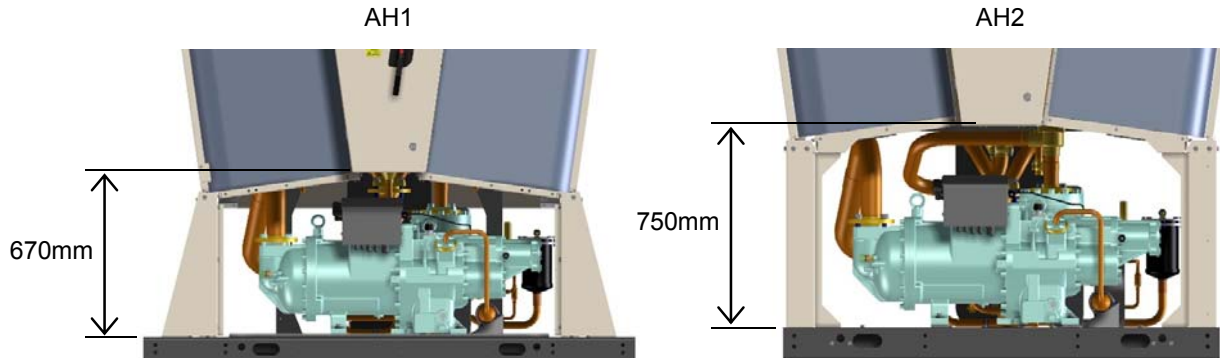
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 7 / 35

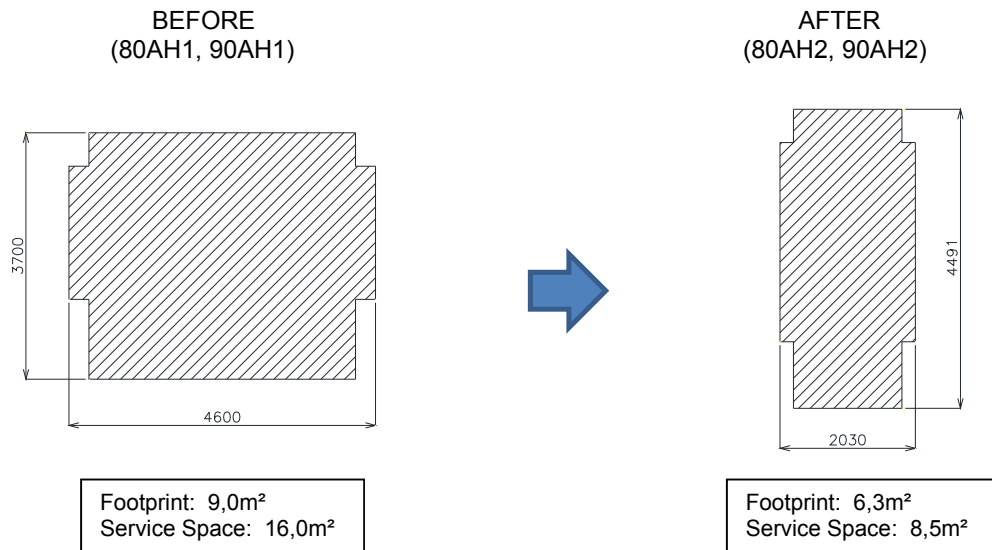
2.7. Easier Compressor serviceability

For both Air-cooled Cooling-only and Heat Pump units there is more space available for removing the Compressor in case of failure, maintenance, etc... as well as for connecting/disconnecting the compressor cables in the terminal box.



2.8. Reduced Footprint and Service Space

The new 80HP and 90HP modules (with 6 fans) bring significant footprint (and service space, too) reductions when compared to equivalent models in terms of Capacity (kW) of AH1 series.



Footprint	➔	30% reduction
Service Space	➔	45% reduction

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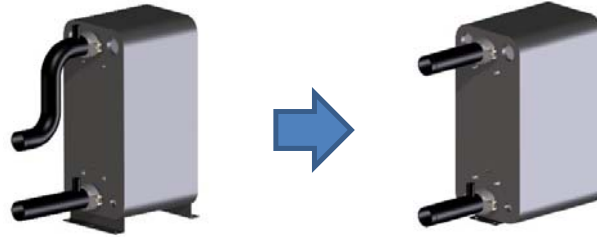
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 8 / 35

2.9. Reduced Water Pressure Drop

Water Pipes for all the series are straight, without elbows. Pressure drop (kPa) at the water side is then reduced.



2.10. Increased Capacity for Water-cooled and Condenser-less modules

Capacity (kW) of largest modules increases as follows:

<u>RCME-WH1</u> (Water-cooled)				<u>RCME-CLH1</u> (Condenser-less)			
	<u>WH</u>		<u>WH1</u>		<u>CLH</u>		<u>CLH1</u>
40HP	140	→	140	40HP	135	→	135
50HP	180	→	180	50HP	170	→	175
60HP	215	→	220	60HP	205	→	215
70HP	240	→	250				

2.11. Expanded heating range in Water-cooled units

Maximum Water Outlet temperature (in heating mode):

55°C → 60°C

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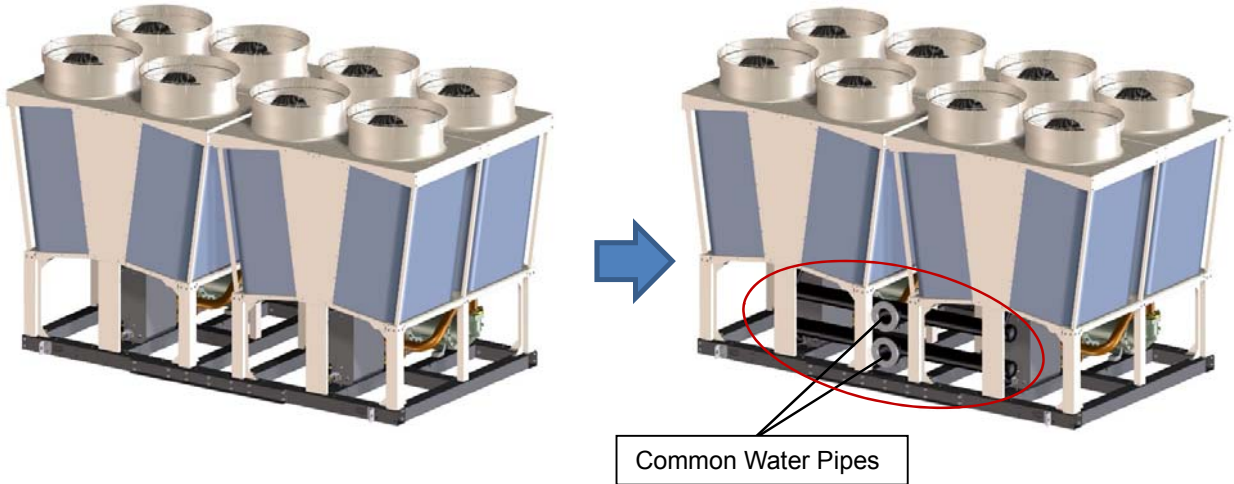
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 9 / 35

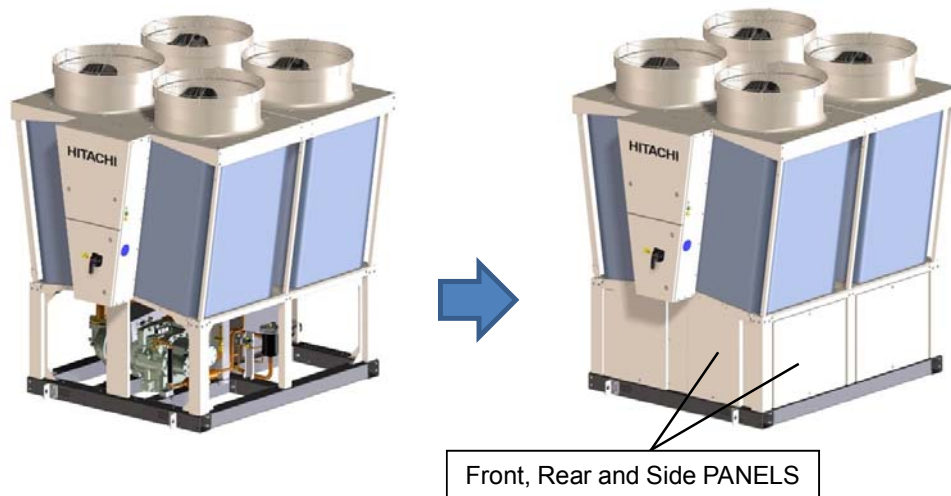
3. New Options

The following new options are available:

- Common Water Pipe
Applicable to the R(C/H)ME-120AH2 and R(C/H)ME-140AH2 units.
1 x water inlet, 1 x water outlet
Connection size: 5" flange



- Unit Lower Panels
Panels installed at the lower side of R(C/H)ME-AH2 units.
The purpose of the panels are:
 - 1- Cosmetic
 - 2- Keep the refrigerant circuit closedIn addition, thanks to the panels the unit sound will be lower.



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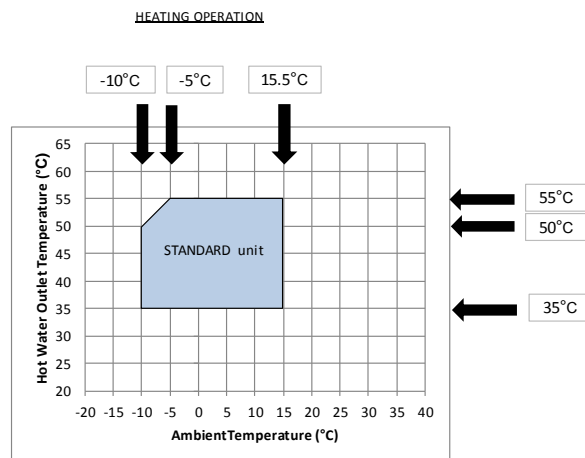
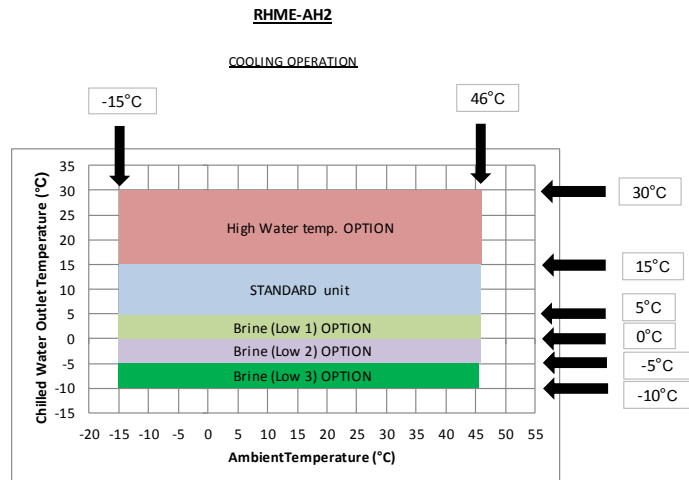
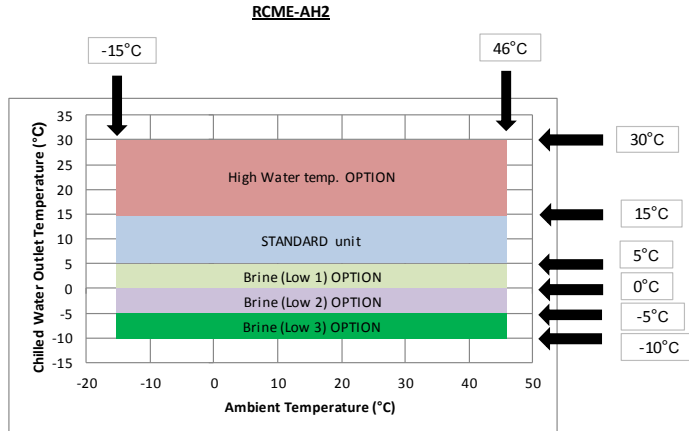
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SUBJECT
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 10 / 35

4. Working range



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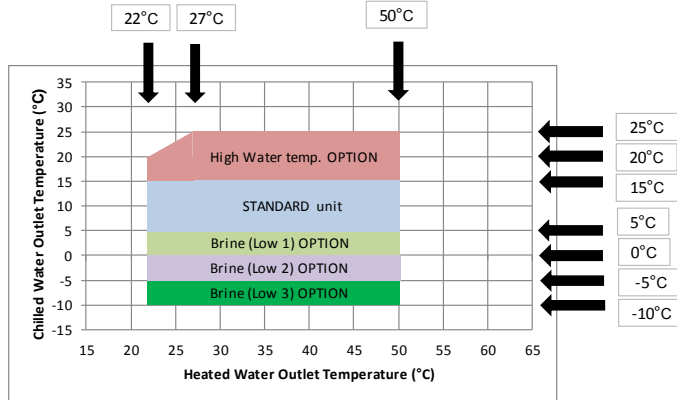
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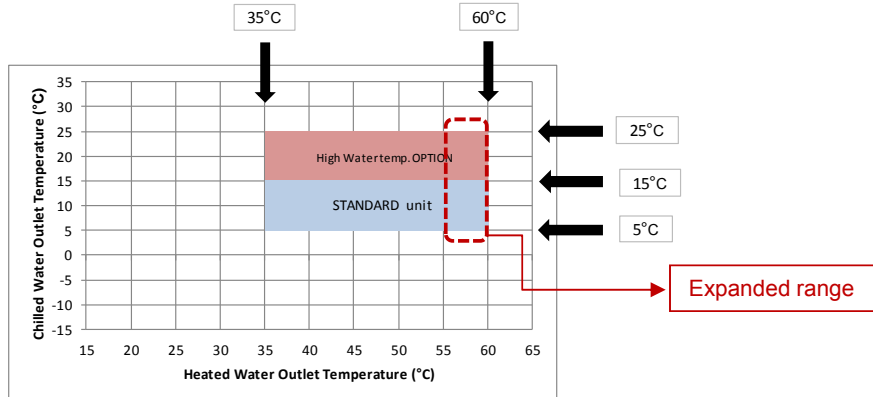
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PAGE 11 / 35

RCME-WH1

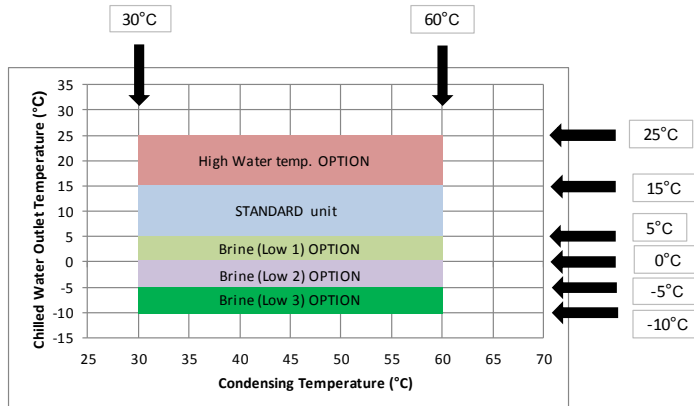
STANDARD



HEAT PUMP OPERATION



RCME-CLH1



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PRODUCT NEWS**

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 12 / 35

5. Chiller Pressure drop

$$CPD = \alpha \cdot CFR^\beta$$

$\left\{ \begin{array}{l} CPD \rightarrow \text{Chiller Pressure Drop (kPa)} \\ CFR \rightarrow \text{Chilled Water Flow Rate (m}^3/\text{h)} \end{array} \right.$

RCME-AH2

	α	β
60HP	0,0405	1,8141
70HP	0,0306	1,8211
80HP	0,0306	1,8211
90HP	0,0306	1,8211
120HP	0,0405	1,8141
140HP	0,0306	1,8211

RHME-AH2

	α	β
60HP	0,0306	1,8211
70HP	0,0306	1,8211
80HP	0,0242	1,8320
90HP	0,0242	1,8320
120HP	0,0306	1,8211
140HP	0,0306	1,8211

Note: in case of 120HP and 140HP, the Chilled Water Flow Rate (CFR) used for the calculation of the Chiller Pressure Drop (CPD) shall be half, because these modules have 2 Evaporators assembled in parallel.

RCME-WH1

	EVAPORATOR		CONDENSER	
	α	β	α	β
40HP	0,0580	1,8359	0,0380	1,8810
50HP	0,0390	1,8390	0,0265	1,8800
60HP	0,0233	1,8552	0,0197	1,8847
70HP	0,0233	1,8552	0,0158	1,8926

RCME-CLH1

	α	β
40HP	0,0580	1,8359
50HP	0,0390	1,8390
60HP	0,0233	1,8552

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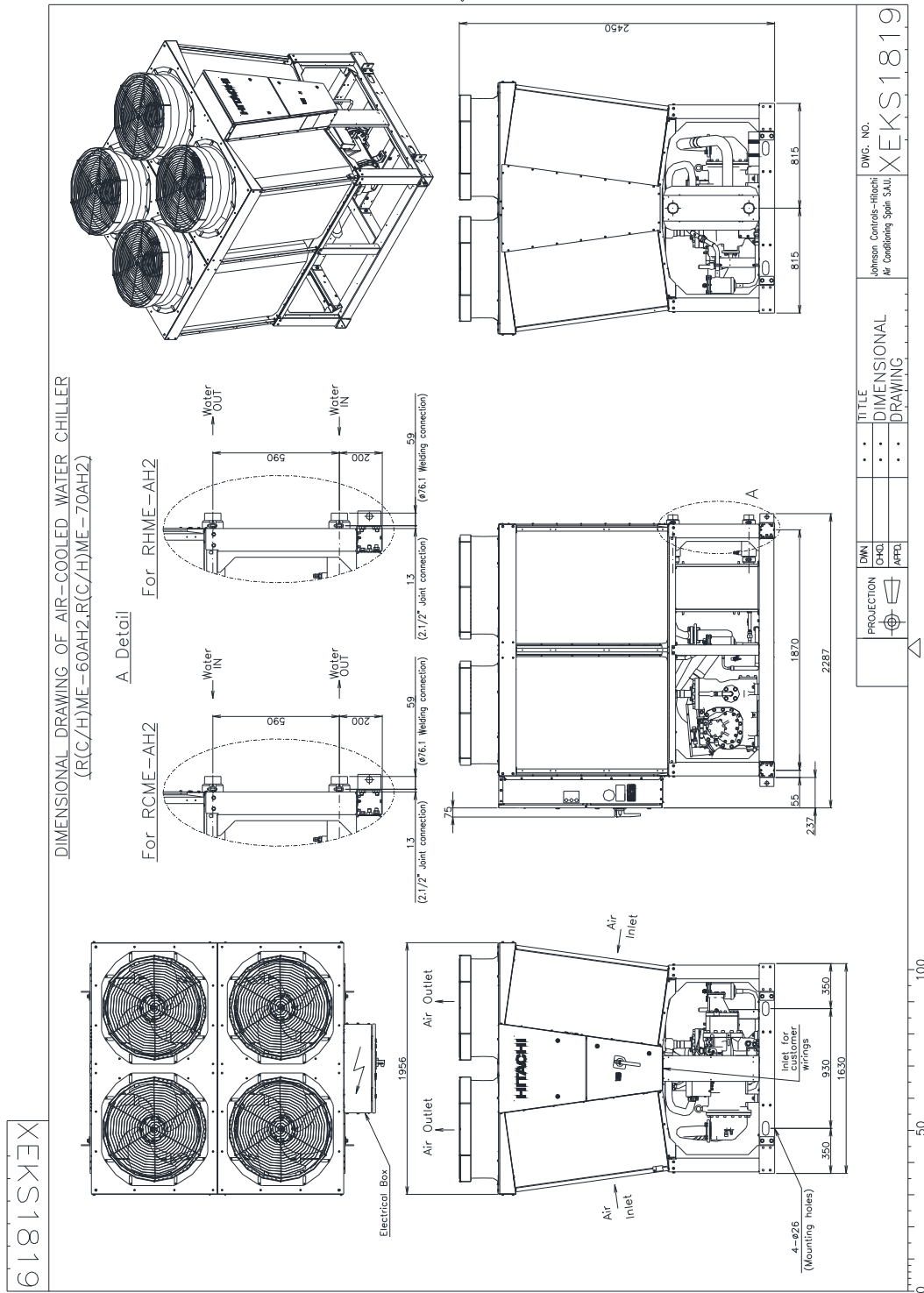
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 13 / 35

6. Dimensional drawing



XEKS1819

DWG. NO. XEKS1819
 Johnson Controls-Hitachi Air Conditioning Spain S.A.U.
 TITLE DIMENSIONAL DRAWING
 DWN CHG APPD
 PROJECTION

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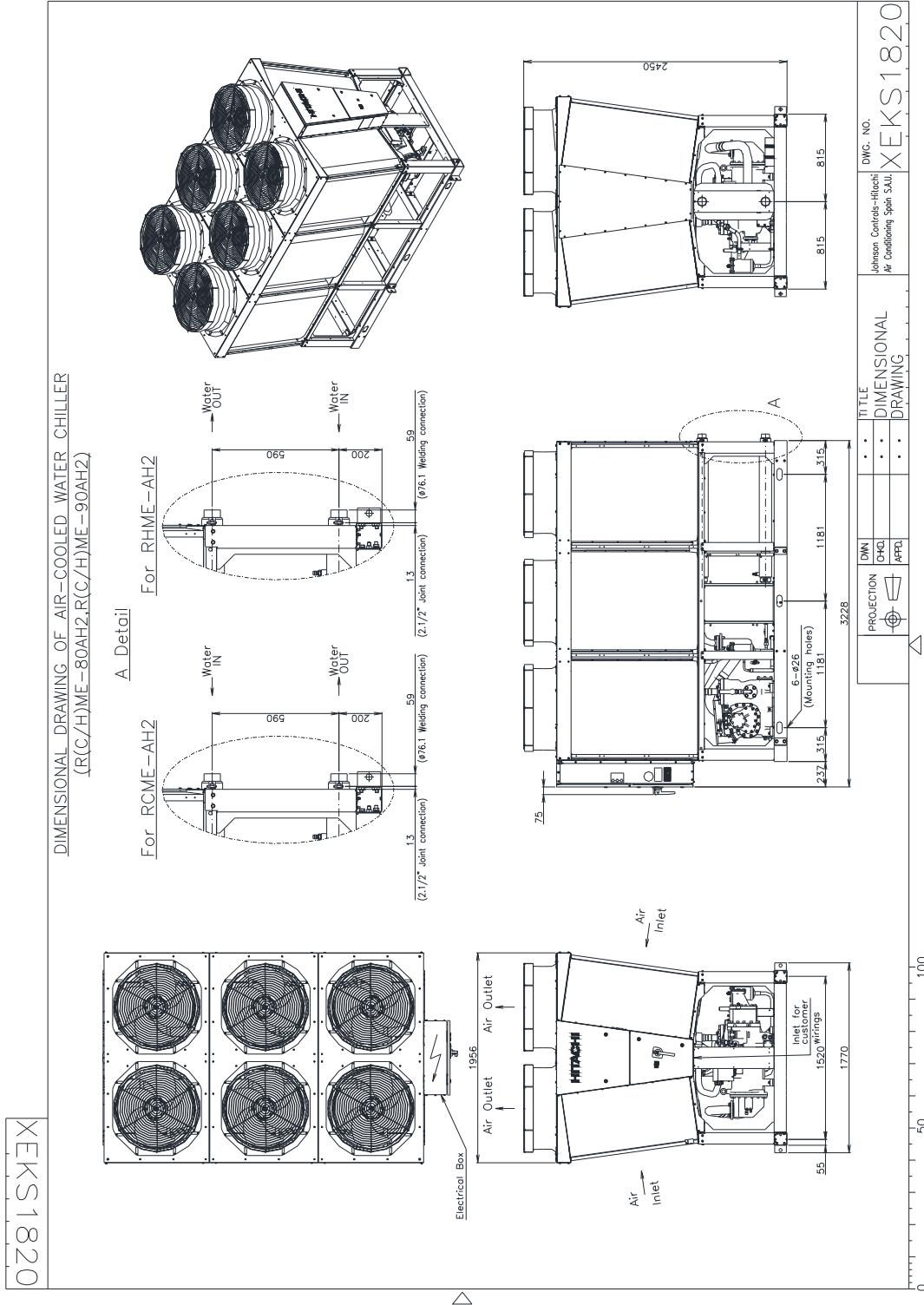
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 14 / 35



XEKS1820

TITLE: DIMENSIONAL DRAWING
 DWG. NO.: XEKS1820
 Johnson Controls-Hitachi Air Conditioning Spain S.A.U.

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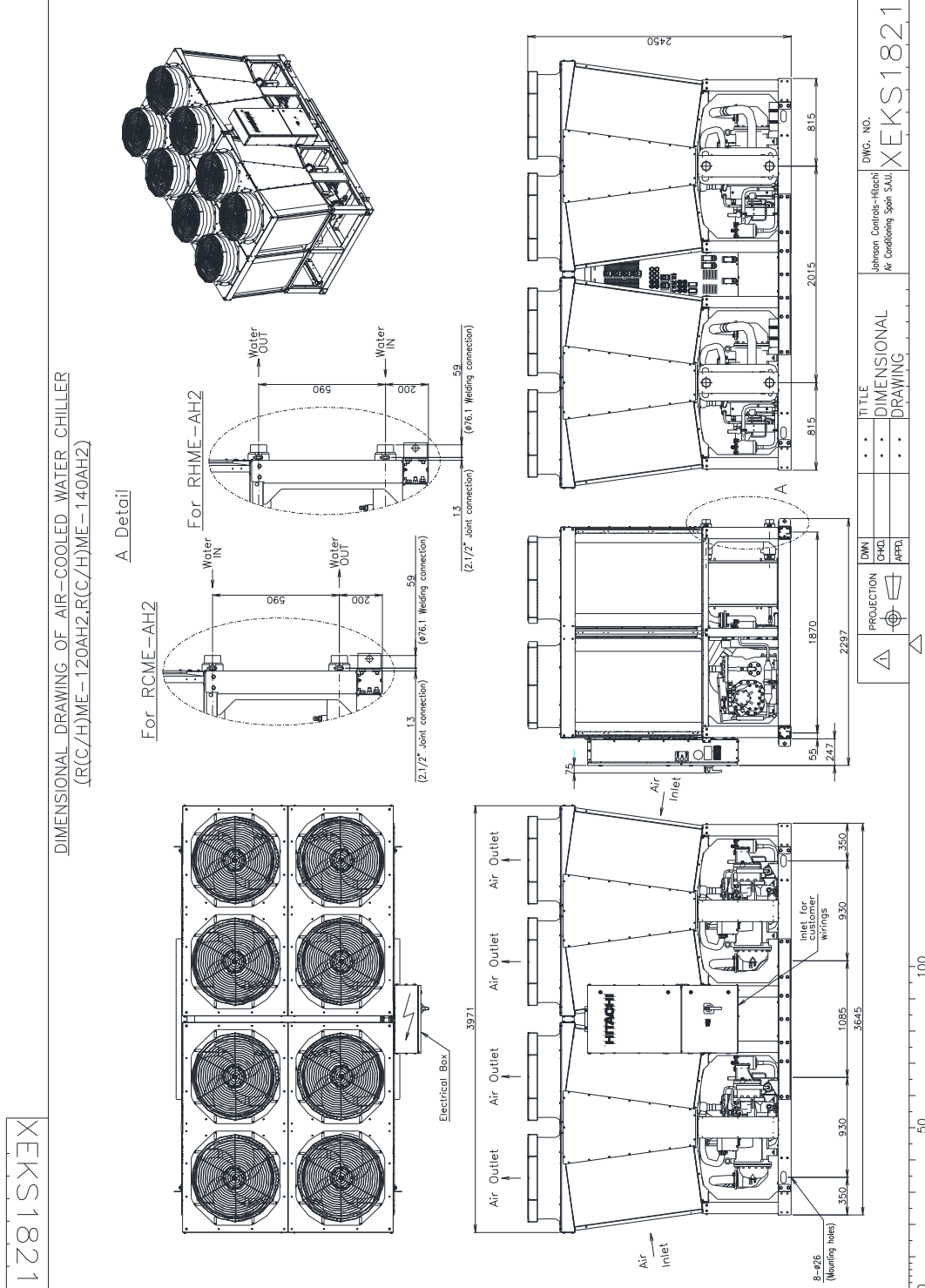
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 15 / 35



DIMENSIONAL DRAWING OF AIR-COOLED WATER CHILLER
 (R(C/H)ME-120AH2, R(C/H)ME-140AH2)

A Detail

XEKS1821

PROJECTION: 1st Angle

DWG. NO. XEKS1821

TITLE: DIMENSIONAL DRAWING

Johnson Controls-Hitachi Air Conditioning Spain S.A.U.

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 16 / 35

7. General specifications

Model		RCME-60AH2	RCME-70AH2	RCME-80AH2	RCME-90AH2	RCME-120AH2	RCME-140AH2	
Power Supply	-	3N ~ 400V 50Hz						
Cooling Capacity	kW	160	180	205	225	320	360	
Input Power	kW	51,0	57,3	64,9	70,3	101,9	114,6	
EER	-	3,14	3,14	3,16	3,20	3,14	3,14	
ESEER	-	4,41	4,41	4,41	4,42	4,41	4,41	
Cooling Capacity ①	kW	159,6	179,6	204,5	224,4	319,4	359,4	
Input Power ①	kW	51,3	57,7	65,4	70,9	102,5	115,3	
EER ①	-	3,11	3,11	3,13	3,16	3,12	3,12	
ESEER ①	-	4,29	4,30	4,28	4,27	4,31	4,32	
SEER net	-	4,11	4,13	4,12	4,12	4,18	4,19	
Dimensions	Height	mm	2450					
	Width	mm	1955				3970	
	Depth	mm	2290	3230			2300	
Cabinet Colour	-	Natural Grey T (textured)						
Operating Weight	kg	1300	1340	1590	1680	2640	2720	
Compressor	Type	-	HITACHI Semi-Hermetic Screw Type					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	1				2	
	Oil Heater	W	150				150x2	
	Capacity Control	-	Continuous Capacity Control					
	Working Range	%	25 ~ 100					
Water Side Heat Exchanger	-	Brazen Plate Type						
Air Side Heat Exchanger	-	Multi-Pass Cross Finned Tube (Cu/Al)						
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	4	6			8	
Refrigerant	-	R134a						
Flow Control	-	Twin Electronic Expansion Valve						
Number of Circuits	-	1				2		
Chilled Water Flow	m ³ /h	27,5	31,0	35,3	38,7	55,0	61,9	
Water Pressure Drop	kPa	16,6	15,9	20,1	23,8	16,6	15,9	
Maximum Permissible Water Pressure	MPa	1,0						
Chilled Water Flow Range	Min.	m ³ /h	17,2	19,4	22,0	24,2	34,4	38,7
	Max.	m ³ /h	39,3	44,2	50,4	55,3	78,6	88,5
Minimum Internal System Water Volume	m ³	0,77	0,76	0,98	0,95	1,54	1,52	
Water pipe Connection	Size and type	-	2.1/2" Victaulic					
	Quantity	-	1 × Inlet , 1 × Outlet			2 × Inlet , 2 × Outlet		
Control System	-	HITACHI Micro-Processor Control						
Chilled Water Outlet Temperature	Standard	°C	+5 ~ +15					
	Low	°C	-10 ~ +5					
	High	°C	+15 ~ +30					
Ambient Temperature	°C	-15 ~ +46						
Sound Power	dB(A)	96	97	98	99	99	100	
Sound Pressure	dB(A)	83	84	85	86	86	87	

NOTES:

- Data are based on the following conditions:
 - Chilled Water Inlet / Outlet: 12 / 7°C
 - Ambient temperature: 35°C
 Data do not include the pump input.
- ① Data are with pump input included (according to the European Standard EN 14511).
- Sound Pressure: measured at 1.5m height, and at 1m distance from the control panel.

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PRODUCT NEWS**

SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 17 / 35

Model		RHME-60AH2	RHME-70AH2	RHME-80AH2	RHME-90AH2	RHME-120AH2	RHME-140AH2	
Power Supply	-	3N~ 400V 50Hz						
Cooling	Capacity	kW	150	170	195	210	300	340
	Input Power	kW	50,8	57,6	65,7	69,8	101,7	115,3
	EER	-	2,95	2,95	2,97	3,01	2,95	2,95
	ESEER	-	4,15	4,15	4,15	4,15	4,15	4,15
	Capacity ①	kW	149,7	169,6	194,6	209,5	299,6	339,4
	Input Power ①	kW	51,1	58,0	66,1	70,2	102,1	115,8
	EER ①	-	2,93	2,93	2,95	2,98	2,93	2,93
	ESEER ①	-	4,06	4,05	4,05	4,05	4,08	4,07
Heating	Capacity	kW	145	145	185	185	290	290
	Input Power	kW	51,2	51,2	64,9	64,9	102,5	102,5
	COP	-	2,83	2,83	2,85	2,85	2,83	2,83
	Capacity ①	kW	145,3	145,4	185,4	185,5	290,4	290,6
	Input Power ①	kW	51,5	51,6	65,3	65,4	102,9	103,0
	COP ①	-	2,82	2,82	2,84	2,84	2,82	2,82
	SCOP net	-	3,22	3,22	3,25	3,25	3,22	3,22
	Dimensions							
Height	mm	2450						
Width	mm	1955			3970			
Depth	mm	2290		3230		2300		
Cabinet Colour	-	Natural Grey T (textured)						
Operating Weight	kg	1400	1420	1680	1760	2820	2880	
Compressor	Type	-	HITACHI Semi-Hermetic Screw Type					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	1			2		
	Oil Heater	W	150				150x2	
	Capacity Control	-	Continuous Capacity Control					
	Working Range	%	25 ~ 100					
Water Side Heat Exchanger	-	Brazed Plate Type						
Air Side Heat Exchanger	-	Multi-Pass Cross Finned Tube (Cu/Al)						
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	4		6		8	
Refrigerant	-	R134a						
Flow Control	-	Twin Electronic Expansion Valve						
Number of Circuits	-	1			2			
Chilled Water Flow	Cooling	m³/h	25,8	29,2	33,5	36,1	51,6	58,5
	Heating	m³/h	24,9		31,8		49,9	
Water Pressure Drop	Cooling	kPa	11,4	14,3	15,1	17,3	11,4	14,3
	Heating	kPa	10,7		13,7		10,7	
Maximum Permissible Water Pressure	MPa	1,0						
Chilled Water Flow Range	Min.	m³/h	16,1	18,3	21,0	22,6	32,3	36,6
	Max.	m³/h	36,9	41,8	47,9	51,6	73,7	83,5
Minimum Internal System Water Volume	m³	0,72	0,72	0,94	0,89	1,44	1,44	
Water pipe Connection	Size and type	-	2.1/2" Victaulic					
	Quantity	-	1 x Inlet , 1 x Outlet			2 x Inlet , 2 x Outlet		
Control System	-	HITACHI Micro-Processor Control						
Chilled Water Outlet Temperature	Standard	°C	+5 ~ +15					
	Low (option)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Heated Water Outlet Temperature	°C	+35 ~ +55						
Ambient Temperature	Cooling	°C	-15 ~ +46					
	Heating	°C	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound Power	dB(A)	96	97	98	99	99	100	
Sound Pressure	dB(A)	83	84	85	86	86	87	

NOTES:

- Data are based on the following conditions:
Cooling operation:
- Chilled Water Inlet / Outlet: 12 / 7°C
- Ambient temperature: 35°C
Heating operation:
- Heated Water Inlet / Outlet: 40 / 45°C
- Ambient temperature: 6°C (WB)
Data do not include the pump input.
- ① Data are with pump input included (according to the European Standard EN 14511).
- 3) Sound Pressure: measured at 1.5m height, and at 1m distance from the control panel.

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PRODUCT NEWS**

SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 18 / 35

Model			RCME-40WH1	RCME-50WH1	RCME-60WH1	RCME-70WH1
Power supply		-	3N~ 400V 50Hz			
Cooling	Capacity	kW	140	180	220	250
	Input Power	kW	28.0	36.3	45.4	51.3
	EER	-	5.00	4.96	4.85	4.87
	ESEER	-	5.85	6.22	6.22	6.25
	Capacity ①	kW	139.6	179.5	219.5	249.3
	Input Power ①	kW	28.9	37.4	46.6	52.8
	EER ①	-	4.84	4.80	4.71	4.72
	ESEER ①	-	5.35	5.69	5.71	5.72
Heating (Heat pump Option)	Capacity	kW	159.9	205.9	252.9	287.1
	Input Power	kW	33.4	43.3	54.1	61.2
	COP	-	4.79	4.76	4.67	4.69
	Capacity ①	kW	160.4	206.5	253.6	287.9
	Input Power ①	kW	34.4	44.5	55.5	62.9
	COP ①	-	4.67	4.64	4.57	4.58
Dimensions	Height	mm	1681			
	Width	mm	806			
	Depth	mm	1271			
Cabinet Colour	-	Natural Grey (Textured)				
Shipping Weight	kg	835	915	995	1025	
Operating Weight	kg	860	950	1040	1075	
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw			
	Model	-	G40ASF-Z	G50ASF-Z	G60ASF-Z	G60ASF-Z
	Quantity	-	1			
	Oil Heater	W	150			
	Capacity Control	-	Continuous Capacity Control			
	Working Range	%	25 ~ 100			
Evaporator Heat exchanger	-	Braze Plate type				
Condenser Heat exchanger	-	Braze Plate type				
Refrigerant	-	R134a				
Flow Control	-	Twin Electronic Expansion Valve				
Number of Circuits	-	1				
Nominal Water Flow	Evaporator	m³/h	24.1	31.0	37.8	43.0
	Condenser	m³/h	28.9	37.2	45.6	51.8
Water Pressure Drop	Evaporator	kPa	20.0	21.5	19.7	25.0
	Condenser	kPa	21.3	23.8	26.4	27.8
Maximum Permissible Water Pressure (Evaporator/Condenser)	MPa	1.0				
Condenser Water Flow Range	Max.	62.8	80.9	83.8	83.8	
Evaporator Water Flow Range	Min.	m³/h	15.1	19.4	23.7	26.9
	Max.	m³/h	52.3	67.3	82.3	83.8
Minimum Internal System Water Volume	m³	0.51	0.65	0.80	0.90	
Water pipe Connection	Size and type	-	2.1/2" Vcltaulic			
	Quantity	-	1 × Inlet , 1 × Outlet (per heat exchanger)			
Control System	-	HITACHI Micro-Processor Control				
Chilled Water Outlet Temperature	Standard	°C	+5 ~ +15			
	Low (option)	°C	-10 ~ +5			
	High (option)	°C	+15 ~ +25			
Condenser Water Outlet Temperature	Standard	°C	+22 ~ +50			
	Heat Pump (option)	°C	+35 ~ +60			
Sound Power	dB(A)	88	89	90	91	
Sound Pressure	dB(A)	60	61	62	63	

NOTES:

1) Data are based on the following conditions:

Cooling operation:

- Chilled Water Inlet / Outlet: 12 / 7°C
- Heated Water Inlet / Outlet: 30 / 35°C

Heating operation:

- Chilled Water Inlet / Outlet: 12 / 7°C
- Heated Water Inlet / Outlet: 40 / 45°C

Data do not include the pump input.

2) ① Data are with pump input included (according to the European Standard EN 14511).

3) Sound Pressure: measured at 1.5m height, and at 1m distance from the control panel.

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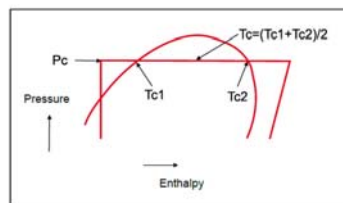
SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 19 / 35

Model		RCME-40CLH1	RCME-50CLH1	RCME-60CLH1
Power supply	-	3N~ 400V50Hz		
Cooling Capacity	kW	135	175	215
Input Power	kW	32.0	41.8	52.4
EER	-	4.22	4.19	4.10
Dimensions	Height	1681		
	Width	806		
	Depth	1271		
Cabinet Colour	-	Natural Grey (Textured)		
Shipping Weight	kg	750	810	875
Operating Weight	kg	765	835	900
Compressor	Type	HITACHI Semi-Hermetic Twin Screw		
	Model	G40ASF-Z	G50ASF-Z	G60ASF-Z
	Quantity	1		
	Oil Heater	150		
	Capacity Control	Continuous Capacity Control		
	Working Range	25 ~ 100		
Evaporator Heat exchanger	-	Brazen Plate type		
Condenser Heat exchanger	-	remote		
Refrigerant	-	R134a		
Flow Control	-	Twin Electronic Expansion Valve		
Number of Circuits	-	1		
Chilled Water Flow	m ³ /h	23.2	30.1	37.0
Water Pressure Drop	kPa	18.7	20.4	18.9
Maximum Perm issible Water Pressure	MPa	1.0		
Chilled Water Flow Range	Min.	14.5	18.8	23.1
	Max.	50.5	65.4	80.4
Minimum Internal System Water Volume	m ³	0.49	0.63	0.78
Water pipe Connection	Size and type	2.1/2" Victaulic		
	Quantity	1 × Inlet , 1 × Outlet		
Control System	-	HITACHI Micro-Processor Control		
Chilled Water Outlet Temperature	Standard	+5 ~ +15		
	Low (option)	-10 ~ +5		
	High (option)	+15 ~ +25		
Condensing Temperature	+C	+30 ~ +60		
Sound Power	dB(A)	88	89	90
Sound Pressure	dB(A)	60	61	62

NOTES:

- Data are based on the following conditions:
 - Chilled Water Inlet / Outlet: 12 / 7°C
 - Condensing Temperature (T_c): 45°C
 Data do not include the pump input.
- Sound Pressure: measured at 1.5m height, and at 1m distance from the control panel.



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Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 22 / 35

PERFORMANCE TABLE (HEATING OPERATION)

(Pump not included)

ABTW	HOT	RHME-60,70AH2				RHME-80,90AH2				RHME-120,140AH2			
		HCAP	HFR	HPD	IPT	HCAP	HFR	HPD	IPT	HCAP	HFR	HPD	IPT
15	35	162.1	27.9	13.1	43.7	206.8	35.6	16.8	55.5	324.2	55.8	46.3	79.7
	40	161.4	27.8	13.0	47.2	206.0	35.4	16.7	59.8	322.9	55.5	46.0	91.1
	45	160.8	27.7	12.9	52.7	205.1	35.3	16.6	66.8	321.5	55.3	45.6	102.5
	50	160.1	27.5	12.8	60.2	204.2	35.1	16.4	76.2	320.2	55.1	45.3	113.9
	55	152.8	26.3	11.8	69.6	195.0	33.5	15.1	88.2	305.7	52.6	41.6	125.2
10	35	159.5	27.4	12.7	43.0	203.5	35.0	16.3	54.5	319.0	54.9	45.0	79.7
	40	158.1	27.2	12.5	46.6	201.7	34.7	16.0	59.0	316.1	54.4	44.3	91.1
	45	156.5	26.9	12.3	52.0	199.7	34.3	15.8	65.7	313.0	53.8	43.5	102.5
	50	155.1	26.7	12.1	58.9	197.8	34.0	15.5	74.7	310.1	53.3	42.7	113.9
	55	147.2	25.3	11.0	67.9	187.8	32.3	14.1	86.1	294.4	50.6	38.9	125.2
6	35	149.3	25.7	11.3	42.4	190.4	32.8	14.4	53.9	298.5	51.3	39.9	79.7
	40	147.1	25.3	11.0	46.1	187.7	32.3	14.1	58.3	294.3	50.6	38.8	91.1
	45	145.0	24.9	10.7	51.2	185.0	31.8	13.7	64.9	290.0	49.9	37.8	102.5
	50	142.9	24.6	10.4	58.0	182.3	31.4	13.3	73.5	285.7	49.1	36.8	113.9
	55	134.9	23.2	9.4	66.5	172.1	29.6	12.0	84.3	269.7	46.4	33.1	125.2
5	35	145.9	25.1	10.8	42.4	186.1	32.0	13.9	53.7	291.7	50.2	38.2	79.7
	40	143.6	24.7	10.5	45.9	183.3	31.5	13.5	58.2	287.3	49.4	37.2	91.1
	45	141.3	24.3	10.2	51.1	180.3	31.0	13.1	64.6	282.7	48.6	36.1	102.5
	50	139.1	23.9	9.9	57.8	177.5	30.5	12.7	73.3	278.2	47.9	35.1	113.9
	55	131.1	22.5	8.9	66.1	167.2	28.8	11.4	83.8	262.2	45.1	31.5	125.2
0	35	129.2	22.2	8.7	41.7	164.9	28.4	11.1	52.8	258.5	44.5	30.7	79.7
	40	126.2	21.7	8.3	45.4	161.1	27.7	10.6	57.4	252.5	43.4	29.4	91.1
	45	123.2	21.2	8.0	50.3	157.1	27.0	10.2	63.7	246.3	42.4	28.1	102.5
	50	120.2	20.7	7.6	56.6	153.3	26.4	9.7	71.8	240.3	41.3	26.9	113.9
	55	112.2	19.3	6.7	64.5	143.2	24.6	8.6	81.6	224.5	38.6	23.7	125.2
-5	35	101.4	17.4	5.6	36.9	129.4	22.3	7.1	46.7	202.8	34.9	19.7	79.7
	40	97.9	16.8	5.2	40.2	124.9	21.5	6.7	50.9	195.8	33.7	18.5	91.1
	45	94.5	16.3	4.9	44.4	120.6	20.7	6.3	56.4	189.1	32.5	17.4	102.5
	50	91.1	15.7	4.6	50.0	116.2	20.0	5.8	63.3	182.1	31.3	16.2	113.9
	55	84.0	14.4	4.0	56.4	107.2	18.4	5.0	71.5	168.0	28.9	14.0	125.2
-10	35	86.4	14.9	4.2	36.2	110.3	19.0	5.3	45.9	172.8	29.7	14.7	79.7
	40	82.3	14.1	3.8	39.7	105.0	18.1	4.9	50.1	164.5	28.3	13.5	91.1
	45	78.2	13.5	3.5	43.7	99.8	17.2	4.4	55.5	156.4	26.9	12.3	102.5
	50	74.0	12.7	3.1	48.8	94.5	16.2	4.0	61.9	148.1	25.5	11.1	113.9
	55	-	-	-	-	-	-	-	-	-	-	-	-

Where,

ABTW: Evaporator Air Inlet Temperature (-C)

HOT: Heated Water outlet Temperature (-C)

IPT: Input power (kW)

HCAP: Cooling Capacity (kW)

HFR: Heated Water Flow Rate at ΔT=5°C (m³/h)

HPD: Unit Pressure Drop (kPa)

Conversion Multiplier:

1 kW = 860 kcal/h

=3412 Btu/h

1 kPa =0.102 mAq

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Discontinuing of AH1, WH, and CLH Water Chillers series.**

**DATE: Jul.'17
PAGE 23 / 35**

RCME-WH1

**PERFORMANCE TABLE
(Pump not included)**

WH01	RCME-40WH1									RCME-60WH1									RCME-70WH1									
	CWOT	CCAP	CPR	CPD	HCAP	HPR	HPO	IFT	CCAP	CPR	CPD	HCAP	HPR	HPO	IFT	CCAP	CPR	CPD	HCAP	HPR	HPO	IFT	CCAP	CPR	CPD	HCAP	HPR	HPO
[Grid of performance data for various units and conditions]																												

Only in Cooling mode
(ISTANDARD)

Only in Heat Pump Operation
COP10

Where, WH01: Heated Water Outlet Temperature (°C) CCAP: Cooling Capacity (kW) HCAP: Heating Capacity (kW) Conversion Multiplier: = 860 kcal/h = 947.815 Btu/h

CWOT: Chilled Water Outlet Temperature (°C) CPR: Cooling Water Flow Rate at ΔT10°C (m³/h) HPR: Heated Water Flow Rate at ΔT10°C (m³/h) = 1000 (liters) / hour

CPD: Unit Pressure Drop (kPa) - Evaporator side CPD: Unit Pressure Drop (kPa) - Condenser side HPO: Unit Pressure Drop (kPa) - Condenser side = 10 Pa

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 25 / 35

9. Standard Functions/Specifications

	Specifications	Remarks
Compressor	Oil Heater	150 W
	Cyclonic Oil Separator	
Fan Motor	EC Motor	Inverter type
Control System	Current Limiter	
	Star-Delta starting	For compressors
	Main Isolator Switch	
	LCD touch panel	
	Local/Remote Changeover Switch	
	Individual Alarm	By Alarm Code
	Compressor Operation Hour Meter	Display on LCD
	Pressure Sensor (High and Low)	
	Pump Freeze Protection Operation	Pump ON/OFF Operation
	Pump Operation Circuit	Pump ON/OFF Contact
	Non Voltage Contact for Remote indication	Pump, Operation, Alarm
	DC24V External Control	Level or pulse
	Short Period Power OFF Protection	
	Reverse Phase Protection	
	Power Failure Recover Control	
	2 Different Temperatures Setting	
	Remote Control Switch (Field Supplied)	AC 220-240V
Electrical Power estimation	Display on LCD	
% Instantaneous Load estimation	Display on LCD	
Power source terminals	AC 220-240V	
Output ON/OFF Signal for Free Cooling		
Output ON/OFF Signal for Fan operation	Snow Protection	
Output Signal for Forcing Compressor Load		
Air Condenser	Coated Aluminium Fin	
Refrigeration cycle	Independent Circuit	R(C/H)ME-120AH2 & R(C/H)ME-140AH2
	Insulation on Refrigerant Pipes	Low pressure side
	Discharge Valve	Only RCME-CLH1
	Compressor Safety Valve	
	Pressure Display (High and Low)	Display on LCD
	Leak Detection	
Water system	10 bar Water Pressure	
Others	Wood Base	Only RCME-WH1 & RCME-CLH1
	Numbered Cables	

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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 26 / 35

10. Options list

Below table shows the list of options, as well as the availability for each Chiller unit:

Unit	Option	RCME-AH2 Series	RHME-AH2 Series	RCME-WH1 Series	RCME-CLH1 Series
	EBOX Lower Safety Cover	✓	✓	n.a.	n.a.
	Wooden Base	✓	✓	n.a.	n.a.
	Wooden Skid	✓	✓	n.a.	n.a.
	Wooden Crate	n.a.	n.a.	n.a.	n.a.
	Coil Guard	✓	✓	✓	✓
	Unit Lower Panels	✓	✓	✓	✓
	Magnetic Circuit Breaker (MCB)	✓	✓	✓	✓
	Dual Safety Valve	✓	✓	✓	✓
	Suction Safety Valve	n.a.	n.a.	✓	✓
	Discharge Valve	✓	✓	✓	✓
	Suction Valve	✓	✓	✓	✓
	Water Cooler Heater	✓	✓	✓	✓
	Stainless Steel Water Pipe	✓	✓	✓	✓
	Power Meter	✓	✓	✓	✓
	Low Noise	✓	✓	✓	✓
	Super Low Noise	✓	✓	✓	✓
	Extra Super Low Noise	✓	✓	n.a.	n.a.
	Differential Water Pressure Switch	✓	✓	✓	✓
	High Water Outlet Temperature	✓	✓	✓	✓
	Common Water Pipe	✓	✓	✓	✓
	Power Cable Routing W	n.a.	✓ ⁽¹⁾	✓	✓
	Power Cable Routing WO	✓	✓ ⁽²⁾	✓	✓
	Power Cable Routing	n.a.	✓	✓	✓
	Water Pressure Port	✓	✓	✓	✓
	Air Heat Exchangers Heavy Corrosion Protection	✓	✓	✓	✓
	Pump Kit SP1	✓	✓	✓	✓
	Pump Kit SP2	✓	✓	✓	✓
	Pump Kit DP1	✓	✓	✓	✓
	Pump Kit DP2	✓	✓	✓	✓
	Brine (Low1)	✓	✓	✓	✓
	Brine (Low2)	✓	✓	✓	✓
	Brine (Low3)	✓	✓	✓	✓
	Heat Pump Operation	✓	✓	✓	✓
	LCD Language (LP1)	✓	✓	✓	✓
	LCD Language (LP2)	✓	✓	✓	✓
	LCD Language (LP3)	✓	✓	✓	✓
	Partial Heat Recovery	✓	✓	✓	✓
		RCME-AH2 Series	RHME-AH2 Series	RCME-WH1 Series	RCME-CLH1 Series
RCME-60AH2		✓	✓	n.a.	n.a.
RCME-70AH2		✓	✓	n.a.	n.a.
RCME-80AH2		✓	✓	n.a.	n.a.
RCME-90AH2		✓	✓	n.a.	n.a.
RCME-120AH2		✓	✓	n.a.	n.a.
RCME-140AH2		✓	✓	n.a.	n.a.
RHME-60AH2		✓	✓	✓	✓
RHME-70AH2		✓	✓	✓	✓
RHME-80AH2		✓	✓	✓	✓
RHME-90AH2		✓	✓	✓	✓
RHME-120AH2		✓	✓	✓	✓
RHME-140AH2		✓	✓	✓	✓
RCME-40WH1		n.a.	STD	n.a.	n.a.
RCME-50WH1		n.a.	STD	n.a.	n.a.
RCME-60WH1		n.a.	STD	n.a.	n.a.
RCME-70WH1		n.a.	STD	n.a.	n.a.
RCME-40CLH1		n.a.	STD	n.a.	n.a.
RCME-50CLH1		n.a.	STD	n.a.	n.a.
RCME-60CLH1		n.a.	STD	n.a.	n.a.

- Notes:
- STD Standard
 - n.a. Not available
 - ✓⁽¹⁾ Apply to one module
 - ✓⁽²⁾ Apply to remaining modules
 - ✓⁽³⁾ Only applied to the Evaporator PHE

Note: options are factory assembled. They shall be ordered together with the chiller unit.

Witness test: it is also available the possibility to attend a performance test of the unit at the factory.

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Australia	⊙	Africa
Others ()		

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PRODUCT NEWS**

SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 28 / 35

11. Accessories list

Unit	Modules No.	Water Flow Switch	Water Strainer 2.1/2"	Water Strainer 5"	Water Strainer 6"	Water Flange Connection 2.1/2" (PN16)	Common Water pipe L-R	Common Water pipe -M-	Common Water pipe (2 modules)	Common Water pipe (3 modules)	Antivibration Rubber Mat	Antivibration Spring System	Antivibration Spring System	Antivibration Spring System	Antivibration Spring System	Modbus BMS Gateway	Backnet adaptor	Power Meter (200A)	Power Meter (600A)	Power Meter (1000A)
		CHL-WFS-01	CHL-WST-01	CHL-WST-04	CHL-WST-05	CHL-FLA-01	CHL-CWP-07	CHL-CWP-08	CHL-CWP-05	CHL-CWP-06	CHL-AVR-01	CHL-AVS-06	CHL-AVS-07	CHL-AVS-08	CHL-AVS-04	CHL-AVS-05	CHL-MBS-02	CHL-BAC-01	CHL-PM-M-04	CHL-PM-M-05
RCME-60AH2	1 module	1	1	-	-	1	-	-	-	-	1	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	2	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	3	3	-	-	-	1	1	3	1	-
RCME-70AH2	1 module	1	1	-	-	1	-	-	-	-	1	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	2	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	3	3	-	-	-	1	1	3	1	-
RCME-80AH2	1 module	1	1	-	-	1	-	-	-	-	2	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	3	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	5	3	-	-	-	1	1	3	1	-
RCME-90AH2	1 module	1	1	-	-	1	-	-	-	-	2	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	3	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	5	3	-	-	-	1	1	3	1	-
RCME-120AH2	1 module	2/1	2/-	-/1	-	2/-	op.	op.	-	-	2	-	-	1	-	1	1	1	1	-
	2 modules	4	4	-	-	4	-	-	-	-	4	-	-	2	-	1	1	1	2	1
	3 modules	6	6	-	-	6	-	-	-	-	6	-	-	3	-	1	1	1	3	1
RCME-140AH2	1 module	2/1	2/-	-/1	-	2/-	op.	op.	-	-	2	-	-	1	-	1	1	1	1	-
	2 modules	4	4	-	-	4	-	-	-	-	4	-	-	2	-	1	1	1	2	1
	3 modules	6	6	-	-	6	-	-	-	-	6	-	-	3	-	1	1	1	3	1
RHME-60AH2	1 module	1	1	-	-	1	-	-	-	-	1	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	2	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	3	3	-	-	-	1	1	3	1	-
RHME-70AH2	1 module	1	1	-	-	1	-	-	-	-	1	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	2	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	3	3	-	-	-	1	1	3	1	-
RHME-80AH2	1 module	1	1	-	-	1	-	-	-	-	2	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	3	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	5	3	-	-	-	1	1	3	1	-
RHME-90AH2	1 module	1	1	-	-	1	-	-	-	-	2	1	-	-	-	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	1	-	-	-	3	2	-	-	-	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	1	1	-	-	5	3	-	-	-	1	1	3	1	-
RHME-120AH2	1 module	2/1	2/-	-/1	-	2/-	op.	op.	-	-	2	-	-	1	-	1	1	1	1	-
	2 modules	4	4	-	-	4	-	-	-	-	4	-	-	2	-	1	1	1	2	1
	3 modules	6	6	-	-	6	-	-	-	-	6	-	-	3	-	1	1	1	3	1
RHME-140AH2	1 module	2/1	2/-	-/1	-	2/-	op.	op.	-	-	2	-	-	1	-	1	1	1	1	-
	2 modules	4	4	-	-	4	-	-	-	-	4	-	-	2	-	1	1	1	2	1
	3 modules	6	6	-	-	6	-	-	-	-	6	-	-	3	-	1	1	1	3	1
RCME-40WH1	1 module	x	x	-	-	x	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	y/x	y/-	-/x	-	y/-	-	-	2	-	2	-	-	-	2	1	1	2	1	-
	3 modules	z/x	z/-	-/x	-	z/-	-	-	2	3	3	-	-	-	3	1	1	3	1	-
RCME-50WH1	1 module	x	x	-	-	x	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	y/x	y/-	-/x	-	y/-	-	-	2	-	2	-	-	-	2	1	1	2	1	-
	3 modules	z/x	z/-	-/x	-	z/-	-	-	2	3	3	-	-	-	3	1	1	3	1	-
RCME-60WH1	1 module	x	x	-	-	x	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	y/x	y/-	-/x	-	y/-	-	-	2	-	2	-	-	-	2	1	1	2	1	-
	3 modules	z/x	z/-	-/x	-	z/-	-	-	2	3	3	-	-	-	3	1	1	3	1	-
RCME-70WH1	1 module	x	x	-	-	x	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	y/x	y/-	-/x	-	y/-	-	-	2	-	2	-	-	-	2	1	1	2	1	-
	3 modules	z/x	z/-	-/x	-	z/-	-	-	2	3	3	-	-	-	3	1	1	3	1	-
RCME-40CLH1	1 module	1	1	-	-	1	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	-	-	1	-	2	-	-	-	2	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	-	-	1	3	3	-	-	-	3	1	1	3	1	-
RCME-50CLH1	1 module	1	1	-	-	1	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	-	-	1	-	2	-	-	-	2	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	-	-	1	3	3	-	-	-	3	1	1	3	1	-
RCME-60CLH1	1 module	1	1	-	-	1	-	-	-	-	1	-	-	-	1	1	1	1	1	-
	2 modules	2/1	2/-	-/1	-	2/-	-	-	1	-	2	-	-	-	2	1	1	2	1	-
	3 modules	3/1	3/-	-/1	-	3/-	-	-	1	3	3	-	-	-	3	1	1	3	1	-

Notes:
op. option only
a / b a -> without Common Water Pipe option/accessory ; b-> with Common Water Pipe option/accessory
x,y,z Value of x,y,z is as follows:
If accessory is only for Cooler or Condenser: x=1 ; y=2 ; z=3
If accessory is for Cooler and Condenser (both): x=2 ; y=4 ; z=6

Note: accessories are field installed. They shall be ordered separately.

Hitachi Air Conditioning Products Europe, S. A.
Barcelona (Spain)

No

APN-2017008 r0

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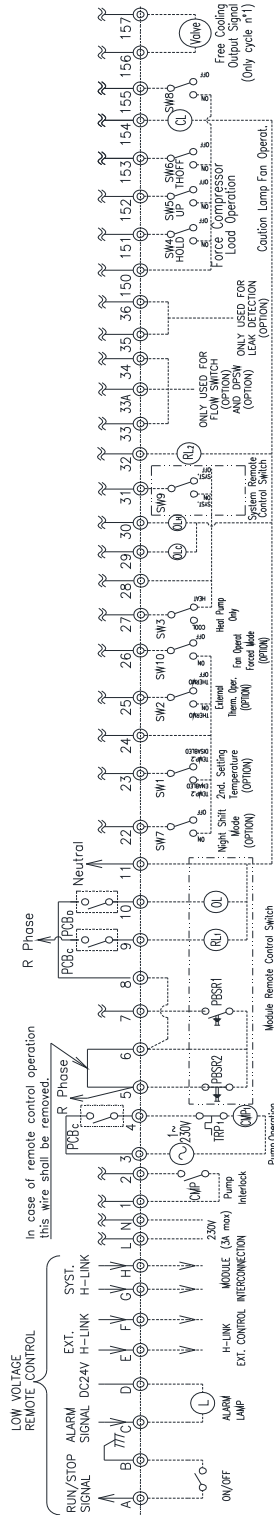
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Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 30 / 35

Customer Wiring



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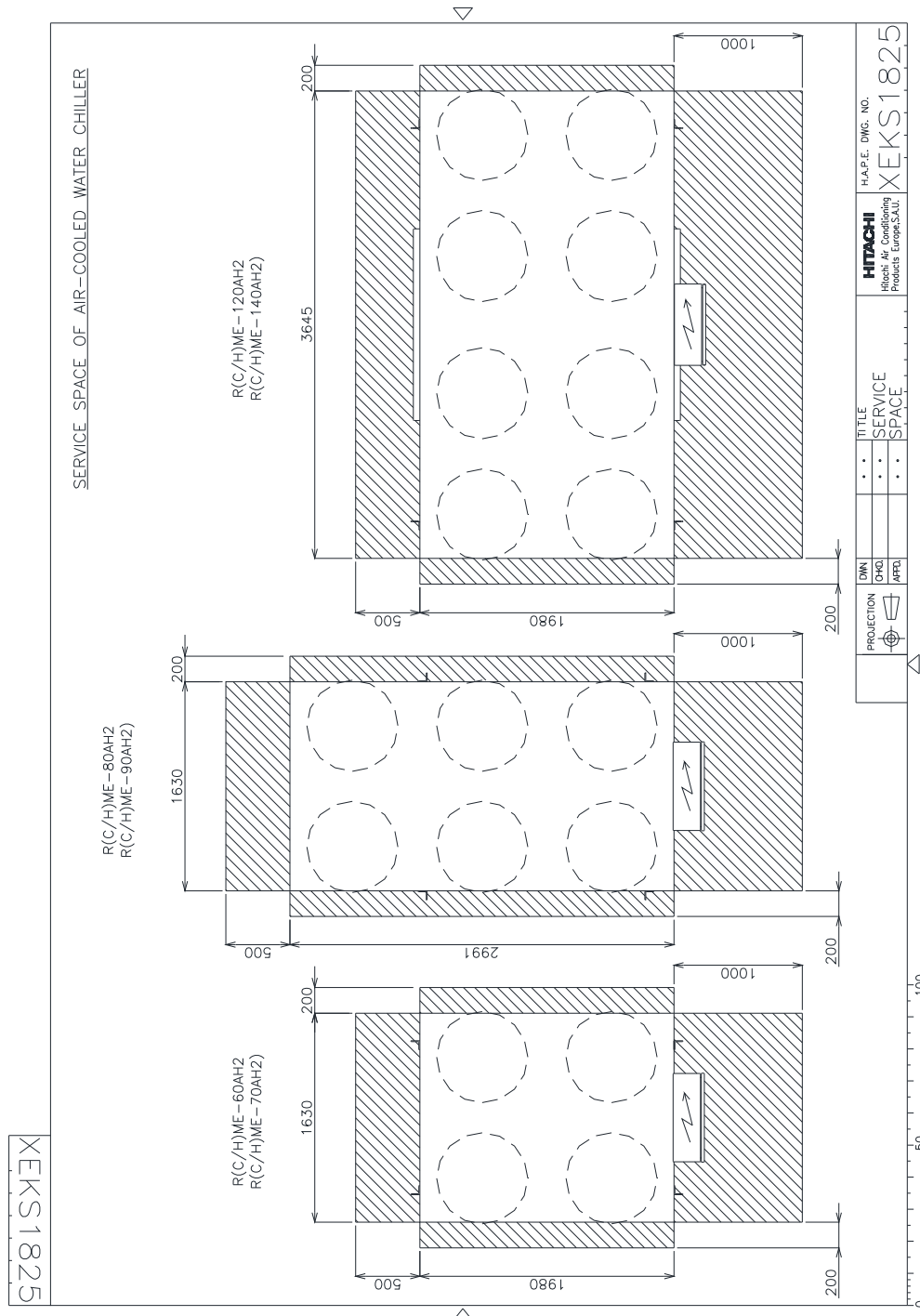
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 31 / 35

13. Service space



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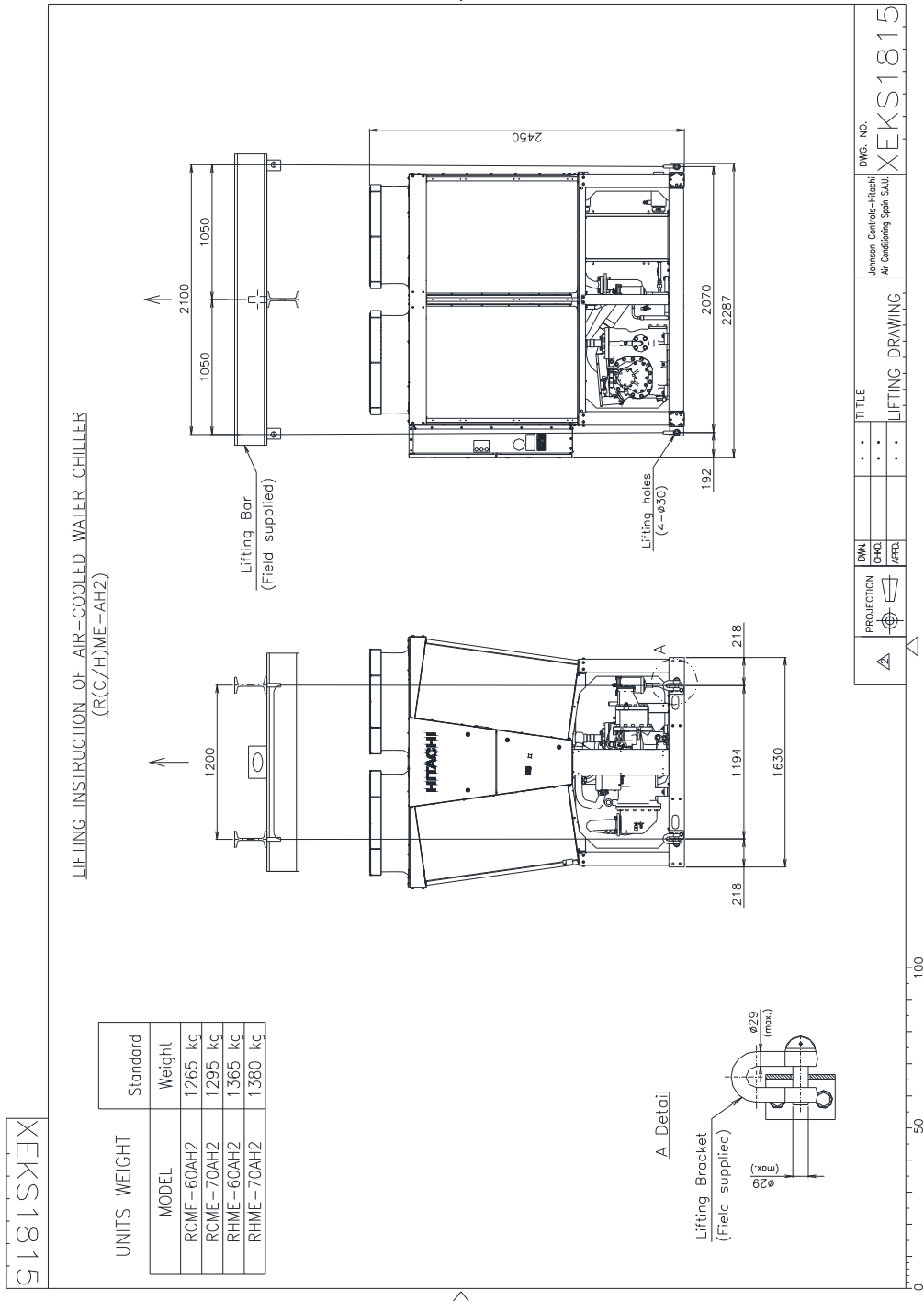
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Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 32 / 35

14. Lifting method



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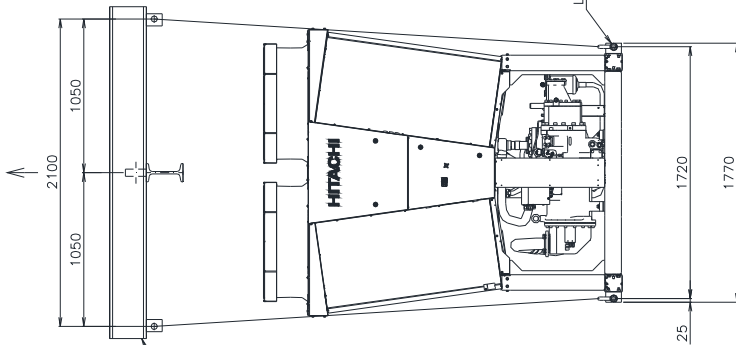
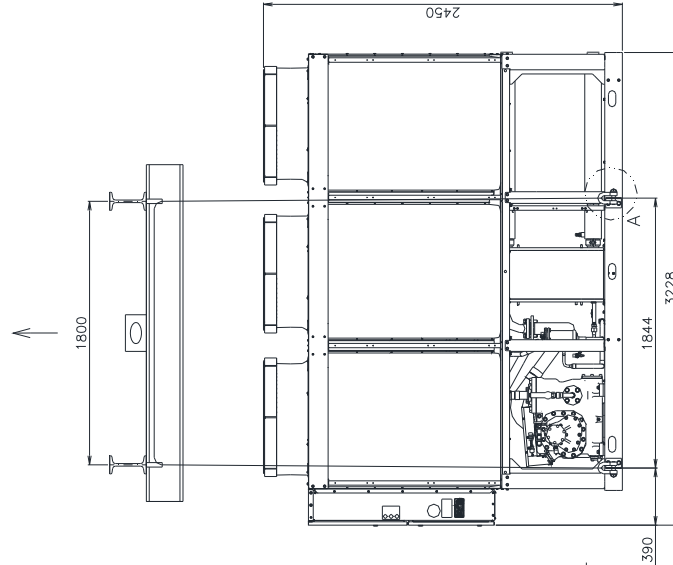
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Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 33 / 35

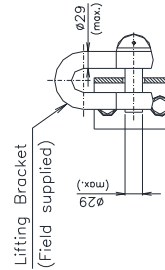
LIFTING INSTRUCTION OF AIR-COOLED WATER CHILLER
 (R(C/H)ME-AH2)

XEKS1816

Standard	Weight
MODEL	Weight
RCME-80AH2	1550 kg
RCME-90AH2	1635 kg
RHME-80AH2	1635 kg
RHME-90AH2	1720 kg



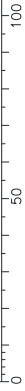
A Detail



Lifting Bar
 (Field supplied)

Lifting Bracket
 (Field supplied)

PROJECTION: 1st Angle
 DWG. NO. XEKS1816
 Johnson Controls-Hitachi Air Conditioning SpA, U.S.A.
 TITLE: LIFTING DRAWING



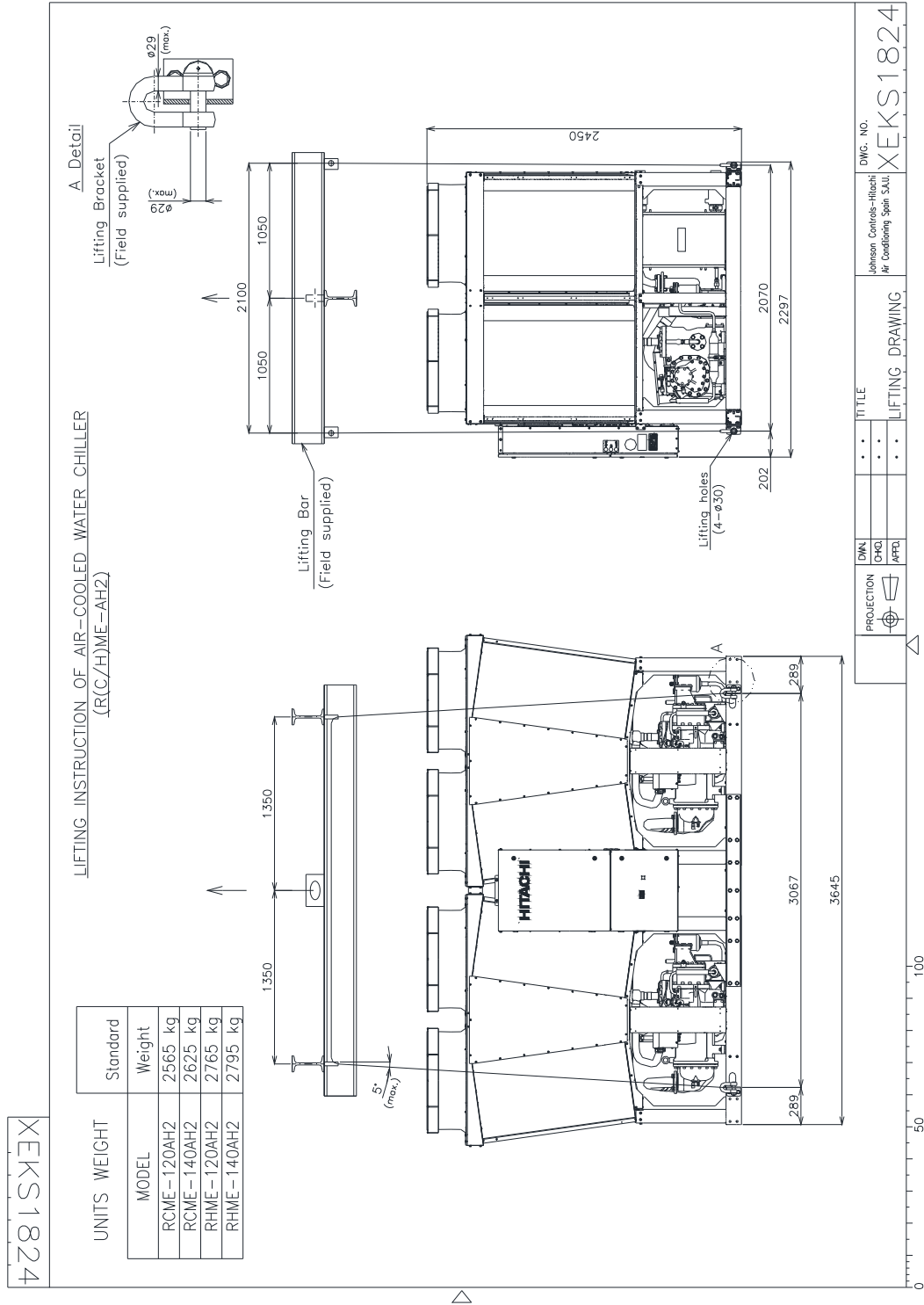
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SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 34 / 35



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PRODUCT NEWS**

SUBJECT
Launching of new AH2, WH1, and CLH1 Water Chillers series.
Discontinuing of AH1, WH, and CLH Water Chillers series.

DATE: Jul.'17
PAGE 35 / 35

15. Electrical data

R(C/H)ME-AH2

Model	Unit			Applicable Instantaneous Voltage (V)		Rated Conditions							Maximum Unit (for Power Supply installation sizing)		
						Compressor data					Fan Data (Condenser)				
						COOL			HEAT		RNCf	IPTf			
						STC ¹	RNCc	IPTc	RNCc	IPTc					
Ph	(V)	(Hz)	Max.	Min.	(A)	(A)	(kW)	(A)	(kW)	(A)	(kW)	STC ²	Curr.	IPT	
					(A)	(A)	(kW)	(A)	(kW)	(A)	(kW)	(A)	(A)	(kW)	
RCME-60AH2	3N~	400	50	440	360	240	76,5	47,2	-	-	11,8	3,8	240	118	68,6
RCME-70AH2	3N~	400	50	440	360	240	86,8	53,5	-	-	11,8	3,8	240	132	77,1
RCME-80AH2	3N~	400	50	440	360	240	94,9	59,2	-	-	11,8	5,7	240	140	85,2
RCME-90AH2	3N~	400	50	440	360	240	104	64,6	-	-	11,8	5,7	240	143	87,1
RCME-120AH2	3N~	400	50	440	360	240	153	94,4	-	-	23,6	7,6	259	237	142
RCME-140AH2	3N~	400	50	440	360	240	174	107	-	-	23,6	7,6	262	264	159
RHME-60AH2	3N~	400	50	440	360	240	76,2	47,0	76,9	47,4	11,8	3,8	240	118	68,3
RHME-70AH2	3N~	400	50	440	360	240	87,3	53,8	76,9	47,4	11,8	3,8	240	133	77,5
RHME-80AH2	3N~	400	50	440	360	240	96,2	60,0	94,9	59,2	11,8	5,7	240	140	85,2
RHME-90AH2	3N~	400	50	440	360	240	103	64,1	94,9	59,2	11,8	5,7	240	143	87,1
RHME-120AH2	3N~	400	50	440	360	240	152	94,0	154	94,8	23,6	7,6	259	238	137
RHME-140AH2	3N~	400	50	440	360	240	175	108	154	94,8	23,6	7,6	262	266	155

RCME-WH1

Model	Unit			Applicable Instantaneous Voltage (V)		Rated Conditions					Maximum Unit (for Power Supply installation sizing)				
						Compressor data									
						COOL			HEAT		COOL		HEAT		
						STC ¹	RNCc	IPTc	RNCc	IPTc	STC ²	Curr.	IPT	Curr.	IPT
Ph	(V)	(Hz)	Max.	Min.	(A)	(A)	(kW)	(A)	(kW)	(A)	(A)	(kW)	(A)	(kW)	
RCME-40WH1	3N~	400	50	440	360	179	47,5	28,0	56,7	33,4	179	66,2	39,0	76,4	45,0
RCME-50WH1	3N~	400	50	440	360	240	60,2	36,3	71,8	43,3	240	84,6	51,0	96,2	58,0
RCME-60WH1	3N~	400	50	440	360	240	75,3	45,4	87,6	52,8	240	105	63,0	119	72,0
RCME-70WH1	3N~	400	50	440	360	240	85,1	51,3	97,6	58,8	240	118	71,0	135	81,5

RCME-CLH1

Model	Unit			Applicable Instantaneous Voltage (V)		Rated Conditions			Maximum Unit (for Power Supply installation sizing)		
						Compressor data					
						STC ¹	RNCc	IPTc	STC ²	Curr.	IPT
						Ph	(V)	(Hz)	Max.	Min.	(A)
RCME-40CLH1	3N~	400	50	440	360	179	47,5	28,0	179	66,2	39,0
RCME-50CLH1	3N~	400	50	440	360	240	60,2	36,3	240	84,6	51,0
RCME-60CLH1	3N~	400	50	440	360	240	73,5	44,3	240	105	63,0

Notes:

- These data are based on standard conditions.
- The maximum unit current is the maximum total unit running current at the following conditions:
 - Supply Voltage: 90% of the rated voltage.
 - Unit Capacity: 100% at maximum operating conditions.
 The Power Supply cables must be sized to cover that maximum current value.
- Compressor motor is Star-Delta starting.