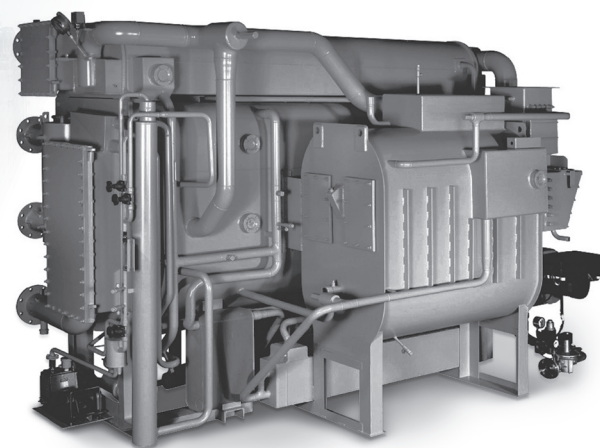


LG HVAC Solution

Absorption Chiller



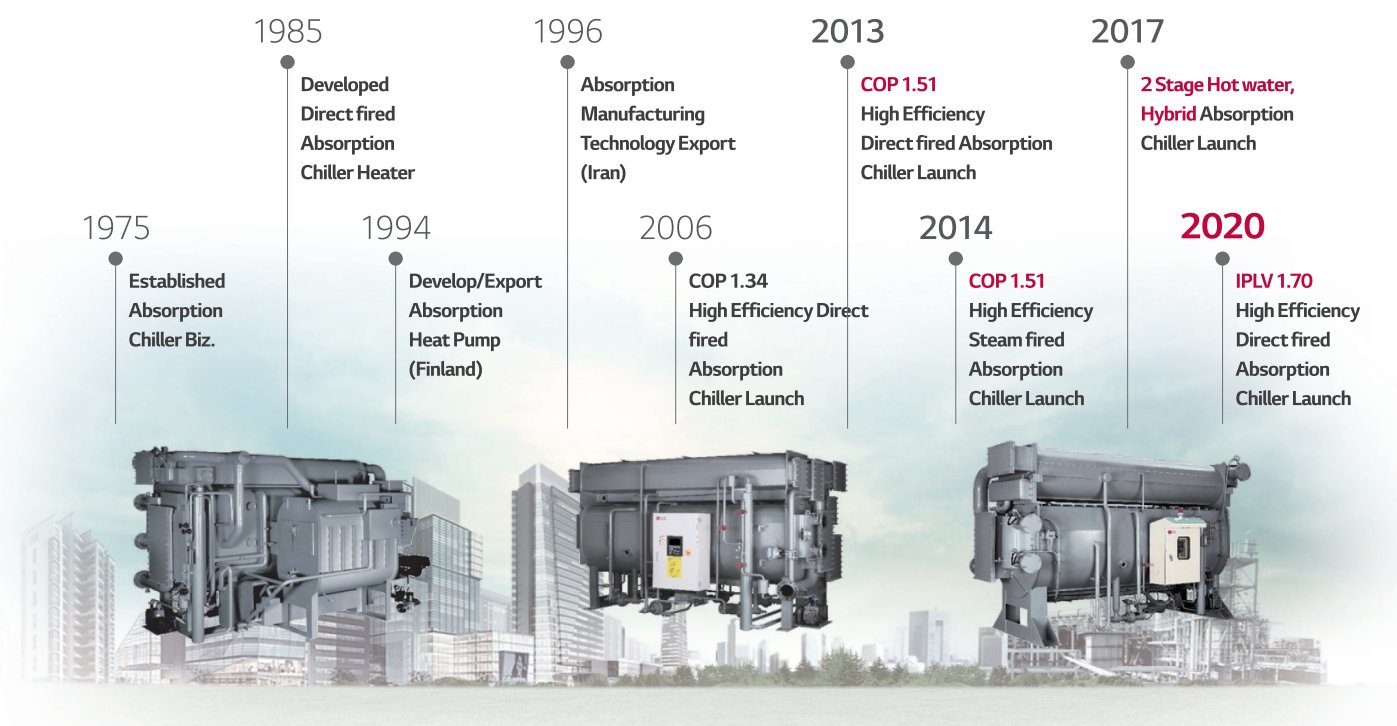
 **LG Electronics**

Absorption Chiller & Heater

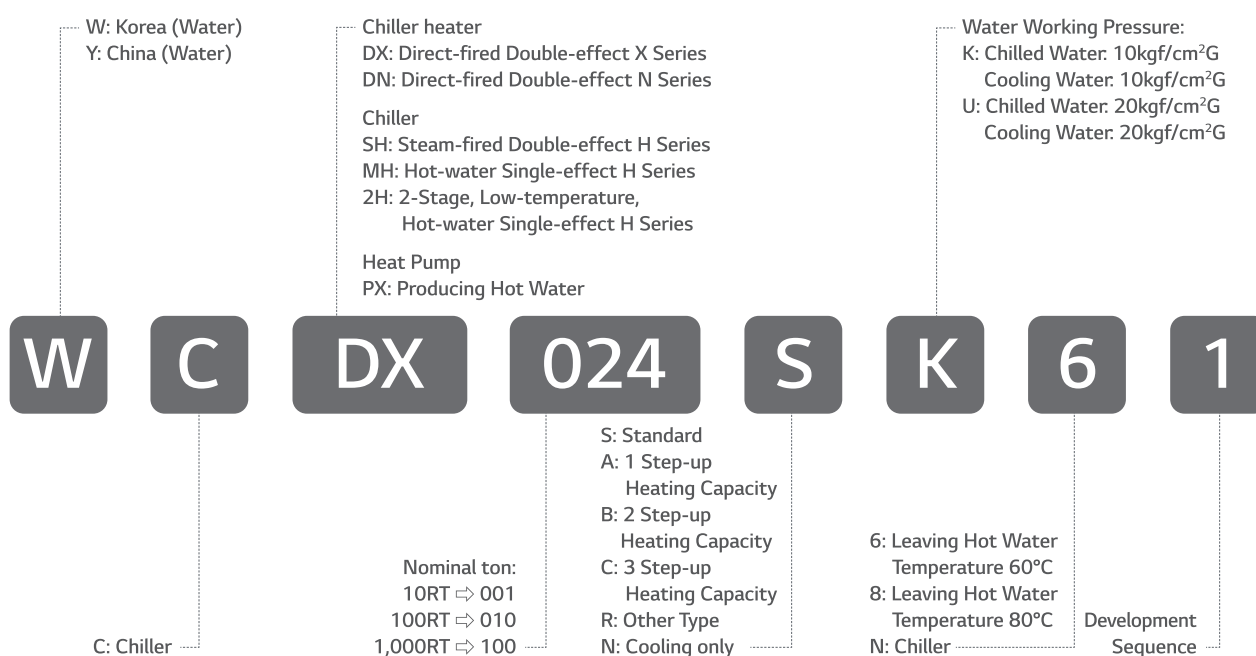
Introduction

LG Chiller History

LG is leading the chiller market with long experience of manufacturing chiller and advanced technology.

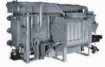


Nomenclature



ABSORPTION *CHILLER*

Line-up

Model	100	500	1,000	1,500	2,000	2,500	3,000	4,000
 Direct Fired Absorption Chiller & Heater (X Series)	100		1,500				3,000	
 Direct Fired Absorption Chiller & Heater (N Series)	100		1,500				3,000	
 Steam Fired Absorption Chiller	100		1,500					4,000
 Hot Water Driven Absorption Chiller	80		1,490	2,000				
 Hot Water Driven Absorption Chiller	80		1,450	2,000				
 Hybrid Absorption Chiller & Heater (WCHA)	100		1,500				3,000	
 Absorption Heat pump (WCPX)	349 kW			Heating Capacity				30,218kW

* Available on request.

Application

Energy	Available	Model Selection			(Example) Application
		Efficiency	Model	Remark	
Gas or Oil	LNG LPG Bio-Gas Exhaust Gas Oil	COP 1.51 (IPLV 1.70)	WCDX YCDX	World Class High Efficiency Enhanced Partial Load Efficiency	Commercial Area Multipurpose Building Thermoelectric Power Plant
		COP 1.41	YCDN	Enhanced Efficiency of the Part Load (Part load: 75~25%)	
Steam	Steam Pressure 4-8kg/cm ²	COP 1.51 Consumption (3.5 kg/hRT)	WCSH YCSH	World Class High Efficiency	Commercial Area Multipurpose Building Petroleum and Chemical Factory
Hot Water	Inlet Temperature Standard 95°C	COP 0.83	WCMH YCMH	World Class High Efficiency Standard Outlet Temp.: 80°C	Solar System District Energy System Cogeneration
		COP 0.73	WC2H YC2H	Low Temperature Outlet Standard Outlet Temp.: 55°C	
Multi Heat Source	Exhaust Gas + Hot Water + (LNG)	COP 1.2	WCHA	Hybrid Absorption Chiller Using more than 2 kinds of Heat Source	Combined Heat and Power District Energy System
Waste Heating Source	Gas Steam Hot Water	COP 1.65~1.80	WCPX	World Class High Efficiency Hot Water Temp.: 55~90°C	Combined Heat and Power Incinerator System

* Gas Calorific Value: 9,360 kcal/Nm³

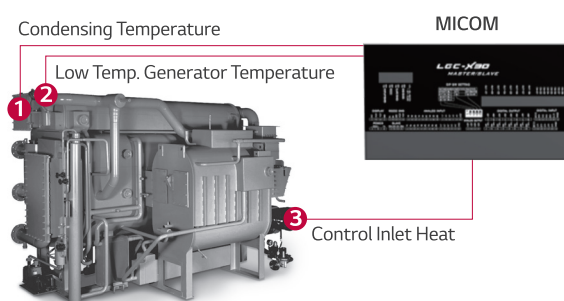
Absorption Chiller & Heater

Features

LG Chiller & Heater X-type (IPLV 1.70)

Absorbent Concentration Control

- Crystallization prevention control
- Precision temperature control using PID control

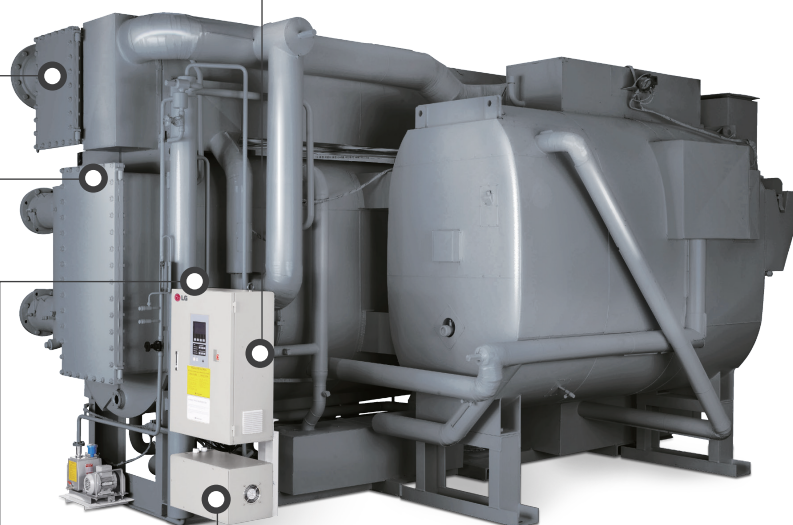


User Friendly Controller

- LCD display: easy to check status
- Various control functions

Marine Type Water Box

- Simple & convenience pipe cleaning



Auto Purge System (Option)

- Oil separator for protecting machine
- Absorbent separator for protecting vacuum pump



Vacuum Pump



Purge System

Series Solution Flow

- Inverter pump: easy & reliable flow control
- Simple piping line: maintenance convenience

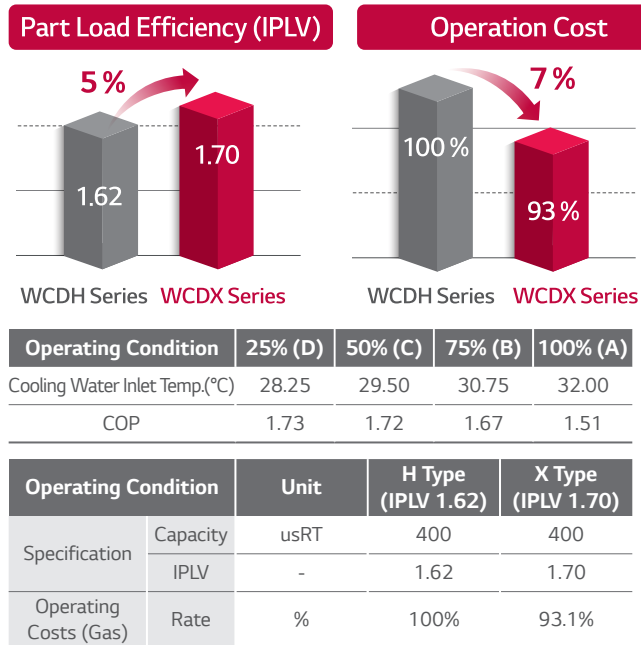


Inverter Pump

ABSORPTION *CHILLER*

High Efficiency

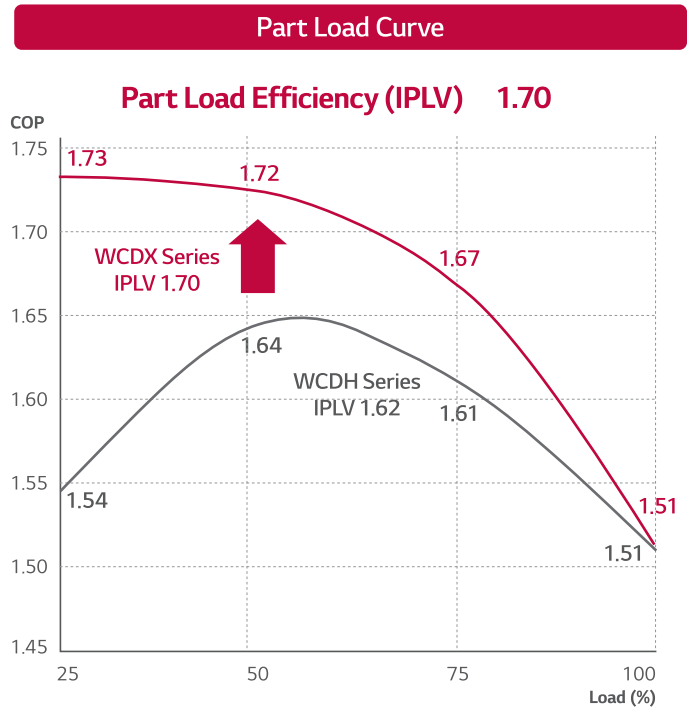
LG chiller achieves IPLV 1.70 through cycle optimization design.



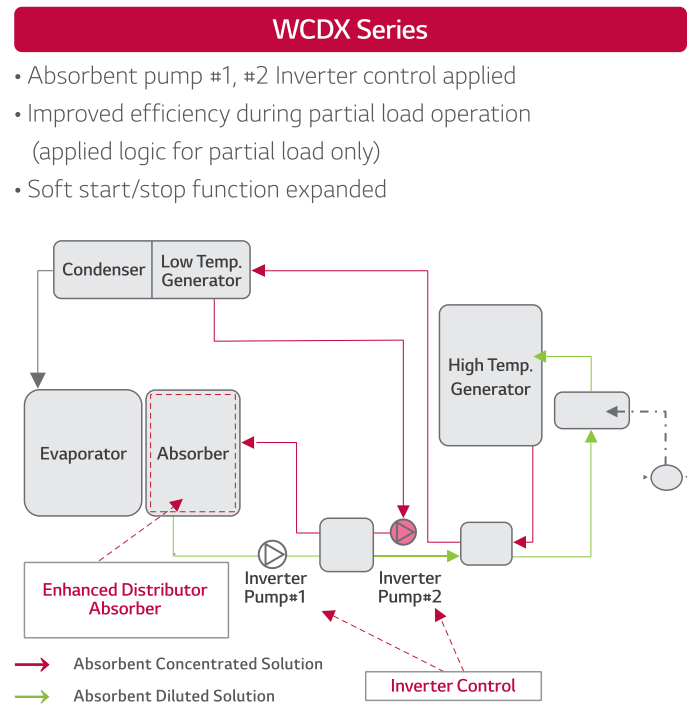
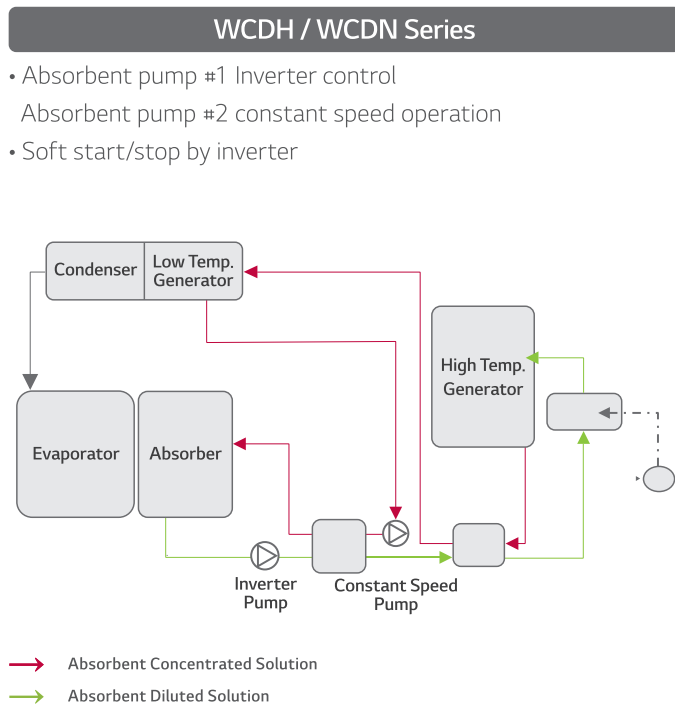
Note:

* IPLV (or NPLV) = 0.01A+0.42B+0.45C+0.12D

* Based on KS B 6271 Standard



Apply to all inverter absorbent pump has improved part-load efficiency.



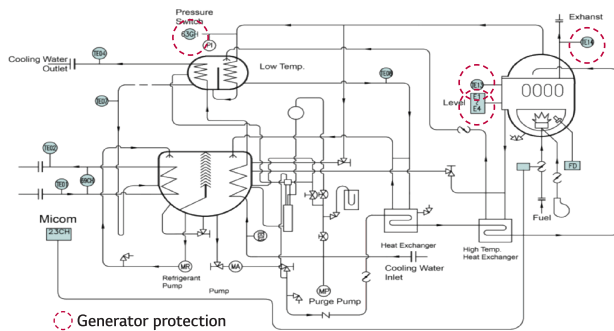
Absorption Chiller & Heater

Features

Safety Function

LG chiller protect itself through various sensors and logic.

Overload of Heat Source Prevention



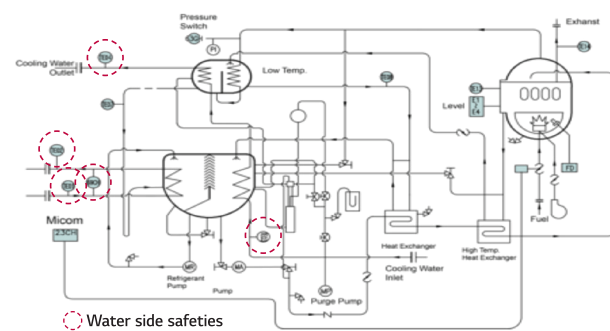
Equipment

- TE13~14: Temp. sensor Solution temp. measuring
- E1~4: Level sensor Solution level measuring
- 63GH: Press. switch High gen. Pressure measuring

Function

- High temp. generator protection
- Control of amount of Input heat source
- Prevention of secondary accident (caused by high temp./pressure)
- Constant performance by absorbent level control
- High temp. generator/exhaust gas temp. check

Anti-Freezing Protection



Equipment

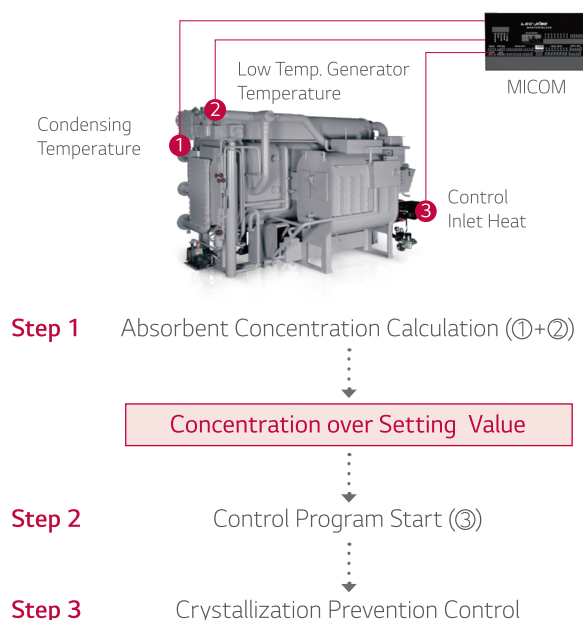
- TE01~04: Temp. sensor Water temp. measuring
- 69CH: Press. switch Water flow detecting

Function

- Anti-freezing protection
- Cooling load control
- Cooling tower load control
- Chilled water, Cooling water inlet/outlet temp. check

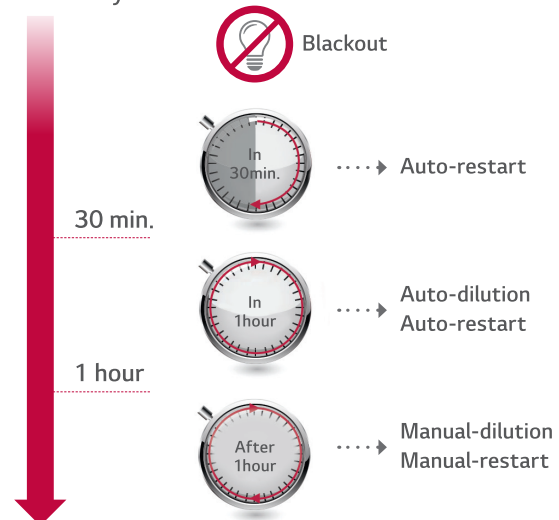
LG chiller operates stably through crystallization prevention system (During operation and power failure).

Absorbent Concentration Control



Auto Restarting After Power Failure

Power Recovery



※ This time is the initial default value and can be changed according to the installation site and operating conditions.

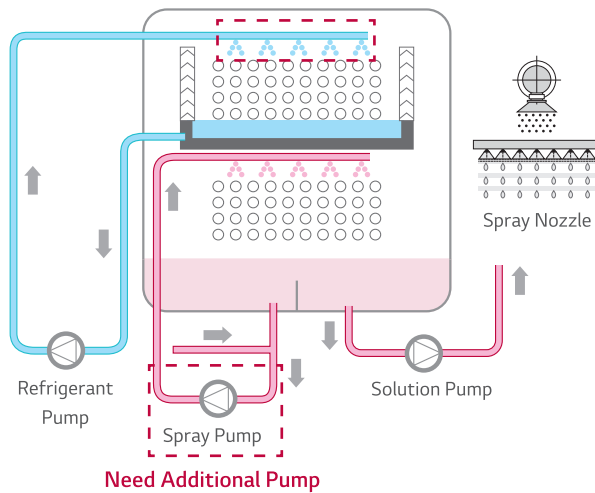
ABSORPTION *CHILLER*

Gravity Loading Dropping

Compared to the spray method, LG chiller has less blocking of nozzle holes, which improves reliability.

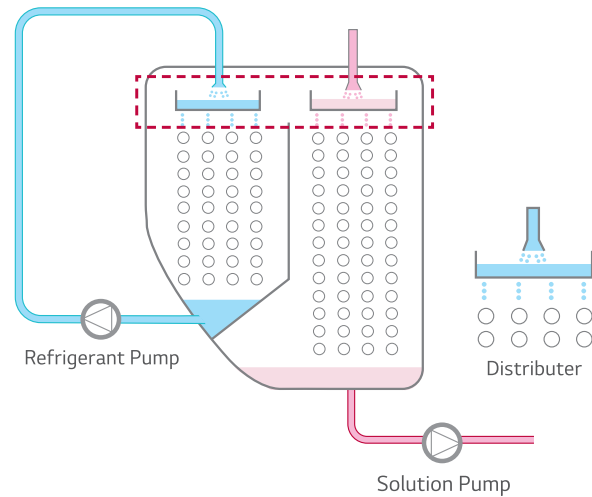
Spray Nozzle Type (Other Co.)

- Additional spray pump is required
- Nozzle might be blocked by sludge



Tray Type (LG)

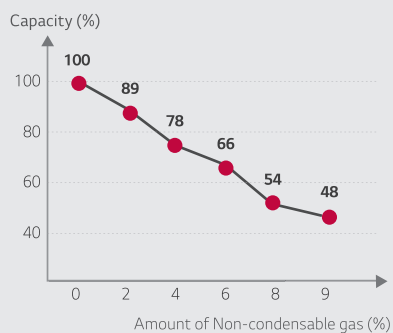
- Not required spray pump for dropping
- No risk to have sludge in the hole
- Gas & liquid separation technique enhances distribution



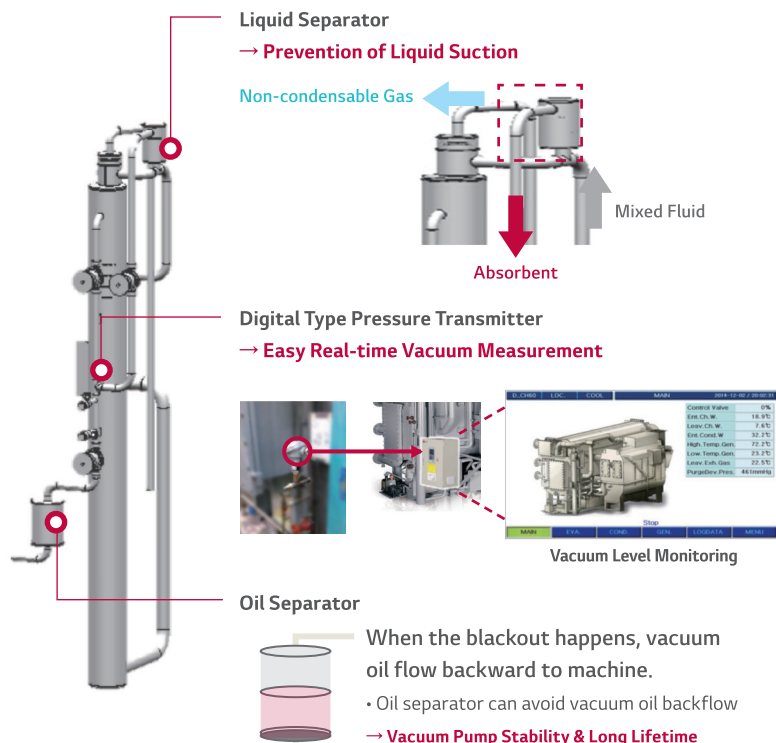
Auto Purging System (Option)

Maintain stable vacuum condition by avoiding liquid carry over and oil backflow when blackout or emergency stop occur.

Capacity According to the Amount of Non-condensable Gas



※ 9% Non-condensable gas
→ Capacity 52% ↓ (LG Self Test Result)



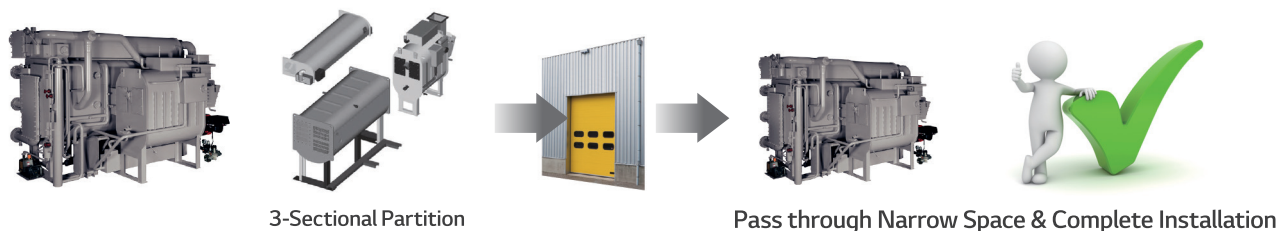
Absorption Chiller & Heater

Features

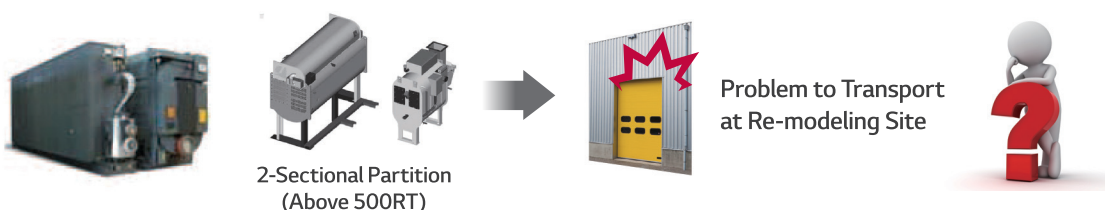
Multi-sectional / Convenience

Multi-sectional shipment provides transport convenience that can carry parts through the narrow passage.

LG Chiller



Other Company

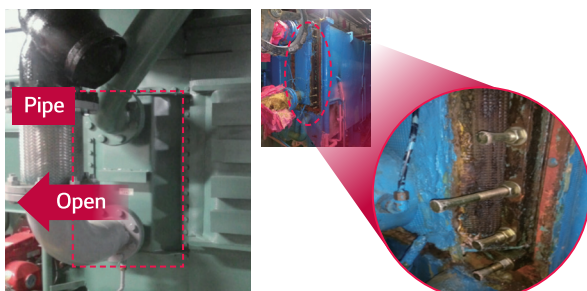


Tube cleaning is more rapid, simple and cost saving without the pipe fitting disassembly.

Other Company

• Water Box on the Front

- For cleaning, opening the lid causes disassemble pipe and insulation
- Joint part corrosion due to periodic disassemble
- **Complicated, Time-consuming**

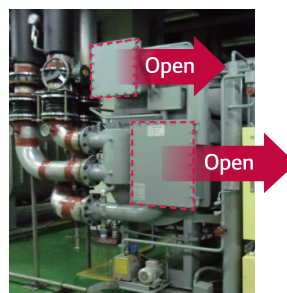


Joint Part Corrosion

LG

• Water Box on the Side (Marine Hatch Type)

- For cleaning, just water box cover can be opened
- Do not need disassembly of pipe and insulation
- **Simple, Convenience**



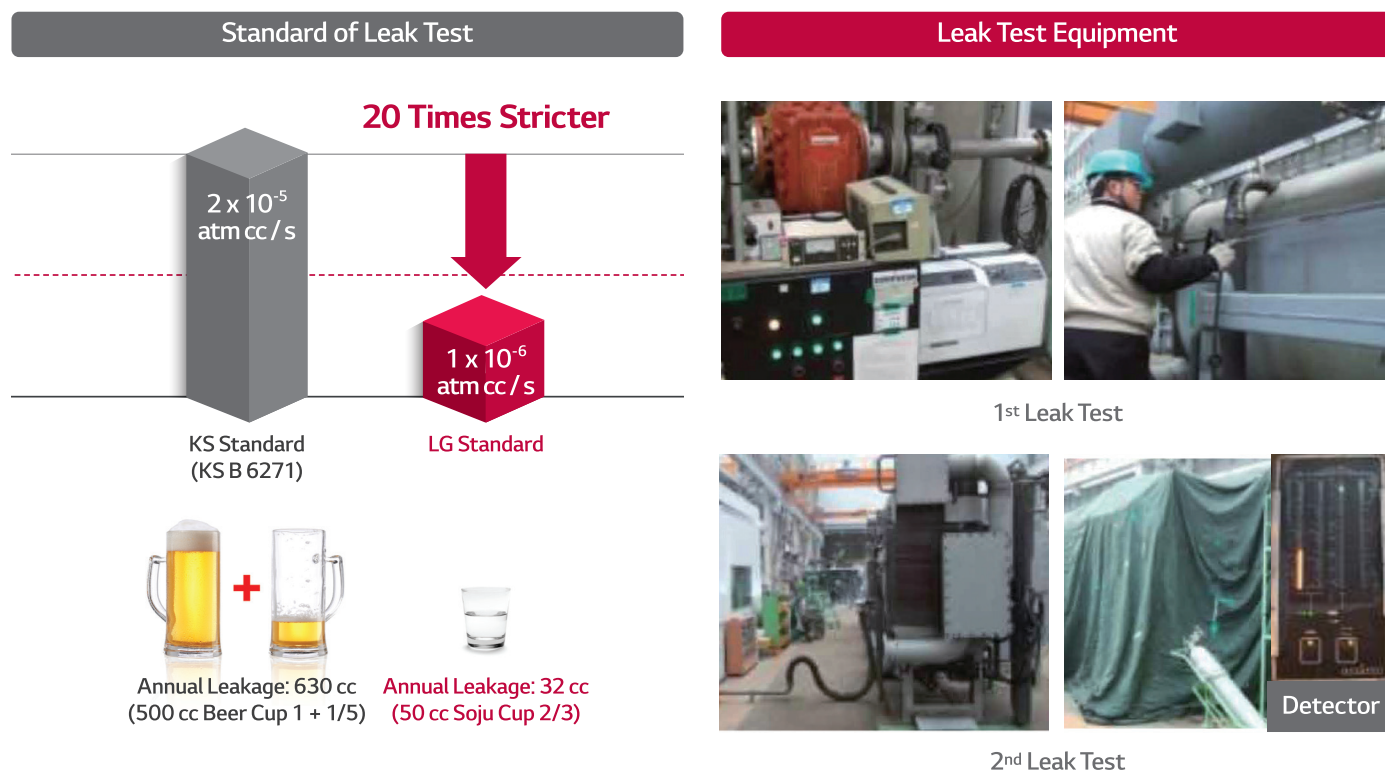
Simple Opening & Cleaning

※ Heat exchange tube requires periodic cleaning (To prevent efficiency decrease and pipe blocking)

ABSORPTION *CHILLER*

Leak Test / Reliability

Strict helium (He) leak test for two times ensures the industry's highest reliability.



Tube Material

Part		Material			
		Direct Fired	Steam Fired	Hot Water Driven (MH-type)	Hot Water Driven (2H-type)
Lower Unit	Evaporator Tube	Copper			
	Absorber Tube	Copper			
Upper Unit	Condenser Tube	Copper			-
	Generator Tube	Copper			-
	Aux. Absorber Tube	-	-	-	Copper
	2nd Generator Tube	-	-	-	Copper
High Temp. Unit	High Generator Tube	Carbon Steel	Stainless Steel	-	-
	1st Generator Tube	-	-	-	Copper
	Aux. Generator Tube	-	-	-	Copper
	Condenser Tube	-	-	-	Copper
Upper, Lower High temp. Unit	Shell	Rolled Steel			
	Tube Sheet	Rolled Steel			
	Eliminator	Stainless Steel			
	Water Box	Rolled Steel			
	Pipings	Carbon Steel			

Absorption Chiller & Heater

Specification

WCDX Series

Model		Unit	WCDX010A	WCDX012A	WCDX015A	WCDX018A	WCDX021A	WCDX024A
Cooling Capacity	usRT		100	120	150	180	210	240
	kW		352	422	527	633	738	844
Heating Capacity	kcal/h		265,000	318,000	397,500	477,000	556,500	636,000
	kW		308	370	462	555	647	740
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	60.5	72.6	90.7	108.9	127	145.2
	Pressure Drop	mAq	7.7	7.7	9.9	10.0	9.3	9.7
	Connection Size	B	4	4	4	4	5	5
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	60.5	72.6	90.7	108.9	127	145.2
	Pressure Drop	mAq	7.7	7.7	9.9	10.0	9.3	9.7
	Connection Size	B	4	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	100	120	150	180	210	240
	Pressure Drop	mAq	5.2	5.4	8.4	8.9	7.2	7.6
	Connection Size	B	5	5	5	5	6	6
Fuel	Cooling	Nm ³ /h	21.4	25.7	32.1	38.5	44.9	51.3
	Heating	Nm ³ /h	32.2	38.7	48.3	58.0	67.6	77.3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	11.61	11.61	14.91	14.91	16.16	16.16
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	7.6	7.6	9.8	9.8	10.6	10.6
Pump Data	Absorbent Pump No.1	kW	1.3	1.3	2.5	2.5	2.5	2.5
		A	3.5	3.5	6.8	6.8	6.8	6.8
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.2
		A	1.1	1.1	1.1	1.1	1.1	1.1
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	0.7	0.7	0.7	0.7	1.5	1.5
		A	2.1	2.1	2.1	2.1	3.4	3.4
Dimension	Length	mm	2,735	2,750	3,745	3,745	3,780	3,780
	Width	mm	2,115	2,125	2,100	2,145	2,170	2,170
	Height	mm	2,075	2,075	2,075	2,075	2,405	2,405
Weight	Operating	ton	5.4	5.8	7.0	7.5	8.9	9.4
	Max Shipping	ton	4.2	4.4	5.2	5.5	6.6	7.0
	Total Shipping	ton	5.0	5.2	6.3	6.9	8.1	8.6
Flue Connection Size		mm	340 x 320	340 x 320	340 x 320	340 x 320	380 x 430	380 x 430

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WCDX Series

Model		Unit	WCDX028A	WCDX032A	WCDX036A	WCDX040A	WCDX045A	WCDX050A
Cooling Capacity		usRT	280	320	360	400	450	500
		kW	985	1,125	1,266	1,407	1,582	1,758
Heating Capacity		kcal/h	742,000	848,000	954,000	1,060,000	1,192,500	1,325,000
		kW	863	986	1,109	1,233	1,387	1,541
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	169.3	193.5	217.7	241.9	272.2	302.4
	Pressure Drop	mAq	6.2	6.5	7.0	7.1	6.3	6.4
	Connection Size	B	6	6	6	6	8	8
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	169.3	193.5	217.7	241.9	272.2	302.4
	Pressure Drop	mAq	6.2	6.5	7.0	7.1	6.3	6.4
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	280	320	360	400	450	500
	Pressure Drop	mAq	6.5	6.7	7.1	7.4	6.6	6.7
	Connection Size	B	8	8	8	8	10	10
Fuel	Cooling	Nm ³ /h	59.9	68.4	77.0	85.5	96.2	106.9
	Heating	Nm ³ /h	90.2	103.1	116.0	128.8	144.9	161.0
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	21.66	23.01	23.01	23.01	25.11	29.61
	Thickness Wire	mm ²	4	4	6	6	6	6
	Power	kVA	14.3	15.1	15.1	15.1	16.5	19.5
Pump Data	Absorbent Pump No.1	kW	3.4	3.4	3.4	3.4	3.4	3.4
		A	9.1	9.1	9.1	9.1	9.1	9.1
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	2.2	2.2
		A	4.3	4.3	4.3	4.3	6.4	6.4
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	1.5	2.2	2.2	2.2	2.2	3.0
		A	3.4	4.7	4.7	4.7	4.7	9.2
Dimension	Length	mm	4,860	4,860	4,885	4,885	4,975	4,975
	Width	mm	2,270	2,225	2,590	2,565	2,875	2,855
	Height	mm	2,405	2,405	2,590	2,590	2,930	2,930
Weight	Operating	ton	11.2	11.4	14.1	14.7	17.0	17.9
	Max Shipping	ton	8.0	8.3	10.5	10.8	13.0	13.5
	Total Shipping	ton	10.0	10.5	13.0	13.4	15.7	16.6
Flue Connection Size		mm	380 x 430	380 x 430	450 x 430	450 x 430	520 x 550	520 x 550

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h. °C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommand Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WCDX Series

Model		Unit	WCDX056A	WCDX063A	WCDX070A	WCDX080A	WCDX090S	WCDX100S
Cooling Capacity		usRT	560	630	700	800	900	1,000
		kW	1,969	2,215	2,461	2,813	3,165	3,516
Heating Capacity		kcal/h	1,484,000	1,669,500	1,855,000	2,120,000	2,385,000	2,650,000
		kW	1,726	1,941	2,157	2,465	2,773	3,081
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	338.7	381	423.4	483.8	544.3	604.8
	Pressure Drop	mAq	6.3	8.7	11.6	10.2	13.9	6.0
	Connection Size	B	8	8	8	10	10	10
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	338.7	381	423.4	483.8	544.3	604.8
	Pressure Drop	mAq	6.3	8.7	11.6	10.2	13.9	6.0
	Connection Size	B	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	560	630	700	800	900	1,000
	Pressure Drop	mAq	5.7	7.8	10.2	6.1	8.2	10.8
	Connection Size	B	12	12	12	14	14	14
Fuel	Cooling	Nm ³ /h	119.7	134.7	149.7	171.0	192.4	213.8
	Heating	Nm ³ /h	180.4	202.9	225.5	257.7	289.9	322.1
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	38.71	38.71	38.71	43.71	47.31	47.31
	Thickness Wire	mm ²	10	10	10	16	16	16
	Power	kVA	25.5	25.5	25.5	28.8	31.1	31.1
Pump Data	Absorbent Pump No.1	kW	5.5	5.5	5.5	7.5	7.5	7.5
		A	15.0	15.0	15.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	2.2	2.2	2.2	1.5	1.5	1.5
		A	6.4	6.4	6.4	4.7	4.7	4.7
	Refrigerant Pump	kW	0.4	0.4	0.4	1.3	1.3	1.3
		A	1.8	1.8	1.8	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	5.5	5.5	5.5	5.5	7.5	7.5
		A	11.7	11.7	11.7	11.7	15.3	15.3
Dimension	Length	mm	5,055	5,600	6,095	5,635	6,130	6,760
	Width	mm	3,330	3,150	3,130	4,090	3,960	3,920
	Height	mm	3,305	3,305	3,305	3,600	3,600	3,600
Weight	Operating	ton	23.2	25.4	27.6	33.5	38.2	42.2
	Max Shipping	ton	16.9	18.1	19.3	25.3	26.7	28.7
	Total Shipping	ton	20.4	22.4	23.9	31.0	33.0	35.1
Flue Connection Size		mm	650 x 550	650 x 550	650 x 550	750 x 550	750 x 550	750 x 550

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WCDX Series

Model		Unit	WCDX110S	WCDX120S	WCDX130S	WCDX140S	WCDX150S
Cooling Capacity		usRT	1,100	1,200	1,300	1,400	1,500
		kW	3,868	4,220	4,571	4,923	5,274
Heating Capacity		kcal/h	2,915,000	3,180,000	3,445,000	3,710,000	3,975,000
		kW	3,390	3,698	4,006	4,314	4,622
Chilled Water Data	Temperature	°C	12 → 7				
	Flow Rate	m ³ /h	665.3	725.8	786.2	846.7	907.2
	Pressure Drop	mAq	5.6	7.1	8.9	7.6	9.3
	Connection Size	B	12	12	12	14	14
Hot Water Data	Temperature	°C	55.6 → 60.0				
	Flow Rate	m ³ /h	665.3	725.8	786.2	846.7	907.2
	Pressure Drop	mAq	5.6	7.1	8.9	7.6	9.3
	Connection Size	B	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37				
	Flow Rate	m ³ /h	1,100	1,200	1,300	1,400	1,500
	Pressure Drop	mAq	8.3	10.6	13.2	10.9	13.2
	Connection Size	B	16	16	16	16	16
Fuel	Cooling	Nm ³ /h	235.2	256.6	277.9	299.3	320.7
	Heating	Nm ³ /h	354.3	386.5	418.7	450.9	483.1
Electrical Data	Source	V	380V / 3 / 60(50)Hz				
	Total Current	A	61.21	61.21	61.21	61.21	61.21
	Thickness Wire	mm ²	35	35	35	35	35
	Power	kVA	40.3	40.3	40.3	40.3	40.3
Pump Data	Absorbent Pump No.1	kW	7.5	7.5	7.5	7.5	7.5
		A	20.0	20.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	3.7	3.7	3.7	3.7	3.7
		A	11.8	11.8	11.8	11.8	11.8
	Refrigerant Pump	kW	1.3	1.3	1.3	1.3	1.3
		A	3.5	3.5	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	11.0	11.0	11.0	11.0	11.0
		A	22.1	22.1	22.1	22.1	22.1
Dimension	Length	mm	6,140	6,660	7,155	6,640	7,360
	Width	mm	4,200	4,300	4,300	4,700	4,850
	Height	mm	3,775	3,780	3,780	3,840	3,840
Weight	Operating	ton	49.9	55.6	61.5	64.2	70.1
	Max Shipping	ton	31.3	33.8	35.9	39.7	42.5
	Total Shipping	ton	39.2	43.2	45.9	50.8	54.5
Flue Connection Size		mm	750 x 550	850 x 550	850 x 550	850 x 550	850 x 550

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 4,000mmAq
5. Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

6. Standard low calorific power: 9,360 kcal/Nm³
7. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
8. Total Shipping Weight include weight of the burner & liquid.
9. The specifications are subject to change without prior notice.
10. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCDX Series

Model		Unit	YCDX010S	YCDX012S	YCDX015S	YCDX018S	YCDX021S	YCDX024S
Cooling Capacity		usRT	100	120	150	180	210	240
		kW	352	422	527	633	738	844
Heating Capacity		kcal/h	265,000	318,000	397,500	477,000	556,500	636,000
		kW	308	370	462	555	647	740
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	60.5	72.6	90.7	108.9	127.0	145.2
	Pressure Drop	mAq	7.7	7.7	9.9	10.0	9.3	9.7
	Connection Size	B	4	4	4	4	5	5
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	60.5	72.6	90.7	108.9	127.0	145.2
	Pressure Drop	mAq	7.7	7.7	9.9	10.0	9.3	9.7
	Connection Size	B	4	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	100.0	120.0	150.0	180.0	210.0	240.0
	Pressure Drop	mAq	4.3	4.5	7.3	7.8	6.1	6.5
	Connection Size	B	5	5	5	5	6	6
Fuel	Cooling	Nm ³ /h	21.4	25.7	32.1	38.5	44.9	51.3
	Heating	Nm ³ /h	32.2	38.7	48.3	58.0	67.6	77.3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	11.6	11.6	14.9	14.9	16.2	16.2
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	7.6	7.6	9.8	9.8	10.6	10.6
Pump Data	Absorbent Pump No.1	kW	1.3	1.3	2.5	2.5	2.5	2.5
		A	3.5	3.5	6.8	6.8	6.8	6.8
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.2
		A	1.1	1.1	1.1	1.1	1.1	1.1
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	0.7	0.7	0.7	0.7	1.5	1.5
		A	2.1	2.1	2.1	2.1	3.4	3.4
Dimension	Length	mm	2,735	2,750	3,745	3,745	3,780	3,780
	Width	mm	2,115	2,125	2,100	2,145	2,170	2,170
	Height	mm	2,075	2,075	2,075	2,075	2,405	2,405
Weight	Operating	ton	5.4	5.8	7.0	7.5	8.9	9.4
	Max Shipping	ton	4.2	4.4	5.2	5.5	6.6	7.0
	Total Shipping	ton	5.0	5.2	6.3	6.9	8.1	8.6
Flue Connection Size		mm	340 x 320	340 x 320	340 x 320	340 x 320	380 x 430	380 x 430

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCDX Series

Model		Unit	YCDX028S	YCDX032S	YCDX036S	YCDX040S	YCDX045S	YCDX050S
Cooling Capacity		usRT	280	320	360	400	450	500
		kW	985	1,125	1,266	1,407	1,582	1,758
Heating Capacity		kcal/h	742,000	848,000	954,000	1,060,000	1,192,500	1,325,000
		kW	863	986	1,109	1,233	1,387	1,541
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	169.3	193.5	217.7	241.9	272.2	302.4
	Pressure Drop	mAq	6.2	6.5	7.0	7.1	6.3	6.4
	Connection Size	B	6	6	6	6	8	8
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	169.3	193.5	217.7	241.9	272.2	302.4
	Pressure Drop	mAq	6.2	6.5	7.0	7.1	6.3	6.4
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	280.0	320.0	360.0	400.0	450.0	500.0
	Pressure Drop	mAq	5.8	6.0	6.3	6.7	5.9	6.0
	Connection Size	B	8	8	8	8	10	10
Fuel	Cooling	Nm ³ /h	59.9	68.4	77.0	85.5	96.2	106.9
	Heating	Nm ³ /h	90.2	103.1	116.0	128.8	144.9	161.0
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	21.7	23.0	23.0	23.0	25.1	29.6
	Thickness Wire	mm ²	4	4	6	6	6	6
	Power	kVA	14.3	15.1	15.1	15.1	16.5	19.5
Pump Data	Absorbent Pump No.1	kW	3.4	3.4	3.4	3.4	3.4	3.4
		A	9.1	9.1	9.1	9.1	9.1	9.1
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	2.2	2.2
		A	4.3	4.3	4.3	4.3	6.4	6.4
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	1.5	2.2	2.2	2.2	2.2	3.0
		A	3.4	4.7	4.7	4.7	4.7	9.2
Dimension	Length	mm	4,860	4,860	4,885	4,885	4,975	4,975
	Width	mm	2,270	2,225	2,590	2,565	2,875	2,855
	Height	mm	2,405	2,405	2,590	2,590	2,930	2,930
Weight	Operating	ton	11.2	11.4	14.1	14.7	17.0	17.9
	Max Shipping	ton	8.0	8.3	10.5	10.8	13.0	13.5
	Total Shipping	ton	10.0	10.5	13.0	13.4	15.7	16.6
Flue Connection Size		mm	380 x 430	380 x 430	450 x 430	450 x 430	520 x 550	520 x 550

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h. °C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommand Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCDX Series

Model		Unit	YCDX056S	YCDX063S	YCDX070S	YCDX080S	YCDX090S	YCDX100S
Cooling Capacity	usRT		560	630	700	800	900	1,000
	kW		1,969	2,215	2,461	2,813	3,165	3,516
Heating Capacity	kcal/h		1,484,000	1,669,500	1,855,000	2,120,000	2,385,000	2,650,000
	kW		1,726	1,941	2,157	2,465	2,773	3,081
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	338.7	381.0	423.4	483.8	544.3	604.8
	Pressure Drop	mAq	6.3	8.7	11.6	10.2	13.9	6.0
	Connection Size	B	8	8	8	10	10	10
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	338.7	381.0	423.4	483.8	544.3	604.8
	Pressure Drop	mAq	6.3	8.7	11.6	10.2	13.9	6.0
	Connection Size	B	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	560.0	630.0	700.0	800.0	900.0	1,000
	Pressure Drop	mAq	5.0	6.8	8.9	8.7	7.7	10.1
	Connection Size	B	12	12	12	14	14	14
Fuel	Cooling	Nm ³ /h	119.7	134.7	149.7	171.0	192.4	213.8
	Heating	Nm ³ /h	180.4	202.9	225.5	257.7	289.9	322.1
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	38.7	38.7	38.7	43.7	47.3	47.3
	Thickness Wire	mm ²	10	10	10	16	16	16
	Power	kVA	25.5	25.5	25.5	28.8	31.1	31.1
Pump Data	Absorbent Pump No.1	kW	5.5	5.5	5.5	7.5	7.5	7.5
		A	15.0	15.0	15.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	2.2	2.2	2.2	1.5	1.5	1.5
		A	6.4	6.4	6.4	4.7	4.7	4.7
	Refrigerant Pump	kW	0.4	0.4	0.4	1.3	1.3	1.3
		A	1.8	1.8	1.8	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	5.5	5.5	5.5	5.5	7.5	7.5
		A	11.7	11.7	11.7	11.7	15.3	15.3
Dimension	Length	mm	5,055	5,600	6,095	5,635	6,130	6,760
	Width	mm	3,330	3,150	3,130	4,090	3,960	3,920
	Height	mm	3,305	3,305	3,305	3,600	3,600	3,600
Weight	Operating	ton	23.2	25.4	27.6	33.5	38.2	42.2
	Max Shipping	ton	16.9	18.1	19.3	25.3	26.7	28.7
	Total Shipping	ton	20.4	22.4	23.9	31.0	33.0	35.1
Flue Connection Size		mm	650 x 550	650 x 550	650 x 550	750 x 550	750 x 550	750 x 550

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 4,000mmAq
5. Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

6. Standard low calorific power: 9,360 kcal/Nm³
7. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
8. Total Shipping Weight include weight of the burner & liquid.
9. The specifications are subject to change without prior notice.
10. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCDX Series

Model		Unit	YCDX110S	YCDX120S	YCDX130S	YCDX140S	YCDX150S
Cooling Capacity		usRT	1,100	1,200	1,300	1,400	1,500
		kW	3,868	4,220	4,571	4,923	5,274
Heating Capacity		kcal/h	2,915,000	3,180,000	3,445,000	3,710,000	3,975,000
		kW	3,390	3,698	4,006	4,314	4,622
Chilled Water Data	Temperature	°C	12 → 7				
	Flow Rate	m ³ /h	665.3	725.8	786.2	846.7	907.2
	Pressure Drop	mAq	5.6	7.1	8.9	7.6	9.3
	Connection Size	B	12	12	12	14	14
Hot Water Data	Temperature	°C	55.6 → 60.0				
	Flow Rate	m ³ /h	665.3	725.8	786.2	846.7	907.2
	Pressure Drop	mAq	5.6	7.1	8.9	7.6	9.3
	Connection Size	B	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37				
	Flow Rate	m ³ /h	1,100	1,200	1,300	1,400	1,500
	Pressure Drop	mAq	7.8	9.9	12.3	10.2	12.4
	Connection Size	B	16	16	16	16	16
Fuel	Cooling	Nm ³ /h	235.2	256.6	277.9	299.3	320.7
	Heating	Nm ³ /h	354.3	386.5	418.7	450.9	483.1
Electrical Data	Source	V	380V / 3 / 60(50)Hz				
	Total Current	A	61.2	61.2	61.2	61.2	61.2
	Thickness Wire	mm ²	35	35	35	35	35
	Power	kVA	40.3	40.3	40.3	40.3	40.3
Pump Data	Absorbent Pump No.1	kW	7.5	7.5	7.5	7.5	7.5
		A	20.0	20.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	3.7	3.7	3.7	3.7	3.7
		A	11.8	11.8	11.8	11.8	11.8
	Refrigerant Pump	kW	1.3	1.3	1.3	1.3	1.3
		A	3.5	3.5	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	11.0	11.0	11.0	11.0	11.0
		A	22.1	22.1	22.1	22.1	22.1
Dimension	Length	mm	6,140	6,660	7,155	6,640	7,360
	Width	mm	4,200	4,300	4,300	4,700	4,850
	Height	mm	3,775	3,780	3,780	3,840	3,840
Weight	Operating	ton	49.9	55.6	61.5	64.2	70.1
	Max Shipping	ton	31.3	33.8	35.9	39.7	42.5
	Total Shipping	ton	39.2	43.2	45.9	50.8	54.5
Flue Connection Size		mm	750 x 550	850 x 550	850 x 550	850 x 550	850 x 550

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommand Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCDN Series

Model		Unit	YCDN010A	YCDN012A	YCDN015A	YCDN018A	YCDN021A	YCDN024A
Cooling Capacity	usRT		97	116	147	180	208	239
	kW		341	408	517	633	731	840
Heating Capacity	kcal/h		257,050	307,400	389,550	477,000	551,200	633,350
	kW		299	357	453	555	641	736
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	58.7	70.2	88.9	108.9	125.8	144.5
	Pressure Drop	mAq	9.6	9.0	11.9	12.4	11.8	12.1
	Connection Size	B	3	4	4	4	5	5
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	58.7	70.2	88.9	108.9	125.8	144.5
	Pressure Drop	mAq	9.6	9.0	11.9	12.4	11.8	12.1
	Connection Size	B	3	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	96.8	115.8	146.7	179.7	207.6	238.6
	Pressure Drop	mAq	9.3	9.7	5.4	6.0	5.2	4.5
	Connection Size	B	5	5	6	6	6	8
Fuel	Cooling	Nm ³ /h	22.1	26.4	33.5	41.0	47.4	54.5
	Heating	Nm ³ /h	32.6	39.0	49.4	60.5	69.9	80.3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	9.5	9.5	14.0	14.0	14.0	14.0
	Thickness Wire	mm ²	6	6	6	6	6	6
	Power	kVA	6.3	6.3	9.2	9.2	9.2	9.2
Pump Data	Absorbent Pump No.1	kW	1.3	1.3	3.0	3.0	3.0	3.0
		A	3.7	3.7	8.2	8.2	8.2	8.2
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.6	1.6	1.6	1.6	1.6	1.6
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.2
		A	1.1	1.1	1.1	1.1	1.1	1.1
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	1.5	1.5	1.5	1.5	2.2	2.2
		A	3.4	3.4	3.4	3.4	4.6	4.6
Dimension	Length	mm	3,100	3,300	4,000	4,180	4,250	4,550
	Width	mm	2,250	2,250	2,250	2,300	2,490	2,600
	Height	mm	2,130	2,130	2,130	2,130	2,330	2,330
Rigging	Operating	ton	5.6	5.9	6.7	7.1	8.4	8.9
	Max Shipping	ton	4.4	4.5	5.5	5.7	6.7	7.0
	Total Shipping	ton	5.2	5.4	6.2	6.5	7.6	8.0
Flue Connection Size		mm	280 x 210	280 x 210	280 x 210	280 x 210	310 x 310	310 x 310

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCDN Series

Model		Unit	YCDN028A	YCDN032S	YCDN036A	YCDN040A	YCDN045A	YCDN050A
Cooling Capacity		usRT	273	315	351	387	436	484
		kW	960	1,108	1,234	1,361	1,533	1,702
Heating Capacity		kcal/h	723,450	834,750	930,150	1,025,550	1,155,400	1,282,600
		kW	841	971	1,082	1,193	1,343	1,491
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	165.1	190.5	212.3	234.1	263.7	292.7
	Pressure Drop	mAq	7.6	7.9	7.9	8.0	7.6	7.6
	Connection Size	B	6	6	6	6	8	8
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	165.1	190.5	212.3	234.1	263.7	292.7
	Pressure Drop	mAq	7.6	7.9	7.9	8.0	7.6	7.6
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	272.5	314.4	350.3	386.3	435.2	483.1
	Pressure Drop	mAq	8.7	9.2	9.1	8.4	8.5	8.8
	Connection Size	B	8	8	8	10	10	10
Fuel	Cooling	Nm ³ /h	62.2	71.8	80.0	88.2	99.4	110.3
	Heating	Nm ³ /h	91.7	105.9	118.0	130.1	146.5	162.6
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	17.4	18.5	18.5	18.5	18.5	18.5
	Thickness Wire	mm ²	10	10	10	10	10	10
	Power	kVA	11.5	12.2	12.2	12.2	12.2	12.2
Pump Data	Absorbent Pump No.1	kW	3.7	3.7	3.7	3.7	3.7	3.7
		A	11.1	11.1	11.1	11.1	11.1	11.1
	Absorbent Pump No.2	kW	0.4	0.9	0.9	0.9	0.9	0.9
		A	1.6	2.7	2.7	2.7	2.7	2.7
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.6	1.6	1.6	1.6	1.6	1.6
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	2.2	4.0	4.0	4.0	4.0	4.0
		A	4.6	8.0	8.0	8.0	8.0	8.0
Dimension	Length	mm	4,850	5,050	4,800	4,915	5,230	5,430
	Width	mm	2,600	2,600	2,750	2,850	3,150	3,000
	Height	mm	2,330	2,330	2,600	2,600	2,795	2,795
Rigging	Operating	ton	10.2	11.1	13.3	13.9	16.1	16.7
	Max Shipping	ton	8.1	8.5	10.8	11.2	13.3	13.6
	Total Shipping	ton	9.4	9.9	12.0	12.5	14.5	14.9
Flue Connection Size		mm	310 x 310	310 x 310	360 x 310	360 x 310	410 x 310	410 x 310

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h. °C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommand Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCDN Series

Model		Unit	YCDN056A	YCDN063S	YCDN070A	YCDN080S	YCDN090S	YCDN100S
Cooling Capacity	usRT		560	630	700	762	851	946
	kW		1,969	2,215	2,461	2,679	2,992	3,326
Heating Capacity	kcal/h		1,484,000	1,669,500	1,855,000	2,019,300	2,255,150	2,506,900
	kW		1,726	1,941	2,157	2,348	2,622	2,915
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	338.7	381.0	423.4	460.9	514.7	572.1
	Pressure Drop	mAq	10.7	4.9	6.5	4.4	5.9	7.8
	Connection Size	B	8	8	8	10	10	10
Hot Water Data	Temperature	°C	55.6 → 60.0					
	Flow Rate	m ³ /h	338.7	381.0	423.4	460.9	514.7	572.1
	Pressure Drop	mAq	10.7	4.9	6.5	4.4	5.9	7.8
	Connection Size	B	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	559.0	628.8	698.7	760.6	849.4	944.2
	Pressure Drop	mAq	6.2	8.5	11.1	8.9	9.0	11.7
	Connection Size	B	12	12	12	14	14	14
Fuel	Cooling	Nm ³ /h	127.6	143.6	159.5	173.6	193.9	215.6
	Heating	Nm ³ /h	188.2	211.7	235.2	256.1	286.0	317.9
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	22.1	24.2	24.2	24.2	29.5	29.5
	Thickness Wire	mm ²	10	10	10	10	10	10
	Power	kVA	14.6	15.9	15.9	15.9	19.4	19.4
Pump Data	Absorbent Pump No.1	kW	5.5	5.5	5.5	5.5	7.5	7.5
		A	14.0	14.0	14.0	14.0	19.3	19.3
	Absorbent Pump No.2	kW	0.9	1.8	1.8	1.8	1.8	1.8
		A	2.7	4.8	4.8	4.8	4.8	4.8
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.6	1.6	1.6	1.6	1.6	1.6
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	BuDHer Blower (Gas)	kW	5.5	5.5	11.0	11.0	11.0	11.0
		A	11.1	11.1	20.8	20.8	20.8	20.8
Dimension	Length	mm	5,400	5,815	6,000	5,850	6,150	6,700
	Width	mm	3,300	3,350	3,500	3,570	3,570	3,570
	Height	mm	3,280	3,280	3,280	3,730	3,730	3,730
Rigging	Operating	ton	22.7	24.8	26.4	32.6	35.2	38.0
	Max Shipping	ton	17.9	19.4	20.4	25.3	27.1	29.1
	Total Shipping	ton	19.9	21.8	23.2	28.7	31.1	33.6
Flue Connection Size		mm	510 x 360	510 x 360	510 x 360	630 x 410	630 x 410	630 x 410

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommend Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCDN Series

Model		Unit	YCDN110S	YCDN120S	YCDN130A	YCDN140A	YCDN150A
Cooling Capacity		usRT	1,062	1,163	1,278	1,386	1,451
		kW	3,734	4,089	4,494	4,874	5,102
Heating Capacity		kcal/h	2,814,300	3,081,950	3,386,700	3,672,900	3,845,150
		kW	3,272	3,584	3,938	4,271	4,471
Chilled Water Data	Temperature	°C	12 → 7				
	Flow Rate	m ³ /h	642.3	703.4	772.9	838.3	877.6
	Pressure Drop	mAq	7.2	9.3	12.0	9.6	11.2
	Connection Size	B	12	12	12	14	14
Hot Water Data	Temperature	°C	55.6 → 60.0				
	Flow Rate	m ³ /h	642.3	703.4	772.9	838.3	877.6
	Pressure Drop	mAq	7.2	9.3	12.0	9.6	11.2
	Connection Size	B	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37				
	Flow Rate	m ³ /h	1,060.0	1,160.8	1,275.6	1,383.4	1,448.3
	Pressure Drop	mAq	10.7	13.4	14.0	12.3	14.2
	Connection Size	B	16	16	16	16	16
Fuel	Cooling	Nm ³ /h	242.0	265.0	291.2	315.8	330.6
	Heating	Nm ³ /h	356.9	390.8	429.5	465.8	487.6
Electrical Data	Source	V	380V / 3 / 60(50)Hz				
	Total Current	A	32.6	34.3	34.3	34.3	34.3
	Thickness Wire	mm ²	10	16	16	16	16
	Power	kVA	21.5	22.6	22.6	22.6	22.6
Pump Data	Absorbent Pump No.1	kW	7.5	7.5	7.5	7.5	7.5
		A	19.3	19.3	19.3	19.3	19.3
	Absorbent Pump No.2	kW	1.8	2.2	2.2	2.2	2.2
		A	4.8	6.5	6.5	6.5	6.5
	Refrigerant Pump	kW	1.3	1.3	1.3	1.3	1.3
		A	3.9	3.9	3.9	3.9	3.9
	Purge Pump	kW	0.8	0.8	0.8	0.8	0.8
		A	1.9	1.9	1.9	1.9	1.9
	BuDHer Blower (Gas)	kW	15.0	15.0	15.0	22.0	22.0
		A	27.9	27.9	27.9	40.1	40.1
Dimension	Length	mm	6,200	6,700	7,200	6,900	7,400
	Width	mm	4,360	4,360	4,360	4,560	4,560
	Height	mm	3,730	3,730	3,730	3,930	3,930
Rigging	Operating	ton	43.8	47.2	50.3	54.3	57.1
	Max Shipping	ton	33.4	35.8	37.9	41.3	43.1
	Total Shipping	ton	39.0	42.1	44.9	48.3	50.8
Flue Connection Size		mm	910 x 400	910 x 400	910 x 400	910 x 400	910 x 400

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Standard gas pressure: 4,000mmAq
- Recommand Gas pressure: Low Pressure 200mmAq, Mid. Pressure 900mmAq, High Pressure 4000mmAq

- Standard low calorific power: 9,360 kcal/Nm³
- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- Total Shipping Weight include weight of the burner & liquid.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WCSH Series

Model		Unit	WCSH010N	WCSH012N	WCSH015N	WCSH018N	WCSH021N	WCSH024N
Cooling Capacity		usRT	100	120	150	180	210	240
		kW	352	422	527	633	738	844
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	60.5	72.6	90.7	108.9	127.0	145.2
	Pressure Drop	mAq	7.7	7.7	9.9	10.0	9.3	9.7
	Connection Size	B	4	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	100	120	150	180	210	240
	Pressure Drop	mAq	5.2	5.4	8.4	8.9	7.2	7.6
	Connection Size	B	5	5	5	5	6	6
Fuel	Flow Rate	kg/h	350.2	420.2	525.2	630.3	735.3	840.4
	Stem Inlet Connection	B	2	2	2	2	2	2
	Drain Outlet Connection	B	1	1	1	1	1	1
	Steam Control Valve	B	1	1	1	1.5	1.5	1.5
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	8.0	8.0	11.3	11.3	11.3	11.3
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	5.3	5.3	7.4	7.4	7.4	7.4
Pump Data	Absorbent Pump No.1	kW	1.3	1.3	2.5	2.5	2.5	2.5
		A	3.5	3.5	6.8	6.8	6.8	6.8
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.2
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Weight	Length	mm	2,750	2,750	3,760	3,720	3,720	3,720
	Width	mm	1,920	1,920	1,910	1,910	2,000	2,000
	Height	mm	2,055	2,055	2,070	2,070	2,410	2,410
Weight	Operating	ton	4.5	4.9	5.8	6.4	7.7	8.1
	Max Shipping	ton	3.6	3.7	4.4	4.7	5.7	5.9
	Total Shipping	ton	4.3	4.4	5.4	5.8	6.9	7.2

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²/K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WCSH Series

Model		Unit	WCSH028N	WCSH032N	WCSH036N	WCSH040N	WCSH045N	WCSH050N
Cooling Capacity		usRT	280	320	360	400	450	500
		kW	985	1,125	1,266	1,407	1,582	1,758
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	169.3	193.5	217.7	241.9	272.2	302.4
	Pressure Drop	mAq	6.2	6.5	7.0	7.1	6.3	6.4
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	280	320.1	360.1	400.1	450.1	500.1
	Pressure Drop	mAq	6.5	6.7	7.1	7.4	6.6	6.7
	Connection Size	B	8	8	8	8	10	10
Fuel	Flow Rate	kg/h	980.5	1,120.5	1,260.6	1,400.6	1,575.7	1,750.8
	Steam Inlet Connection	B	2.5	2.5	3	3	3	3
	Drain Outlet Connection	B	1	1	1.5	1.5	1.5	1.5
	Steam Control Valve	B	1.5	1.5	1.5	2	2	2
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	16.8	16.8	16.8	16.8	19.2	19.2
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	11.1	11.1	11.1	11.1	12.6	12.6
Pump Data	Absorbent Pump No.1	kW	3.4	3.4	3.4	3.4	3.4	3.4
		A	9.1	9.1	9.1	9.1	9.1	9.1
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	2.2	2.2
		A	4.3	4.3	4.3	4.3	6.4	6.4
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
Dimension	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	Length	mm	4,810	4,810	4,845	4,845	4,850	4,850
Weight	Width	mm	2,005	2,005	2,240	2,240	2,455	2,455
	Height	mm	2,415	2,415	2,610	2,610	2,950	2,950
Weight	Operating	ton	9.5	9.8	11.9	13.0	14.3	16.5
	Max Shipping	ton	6.8	7.1	8.6	9.0	10.9	11.2
	Total Shipping	ton	8.4	8.8	10.7	11.1	13.4	13.8

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperature.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WCSH Series

Model		Unit	WCSH056N	WCSH063N	WCSH070N	WCSH080N	WCSH090N	WCSH100N
Cooling Capacity		usRT	560	630	700	800	900	1,000
		kW	1,969	2,215	2,461	2,813	3,165	3,516
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	338.7	381.0	423.4	483.8	544.3	604.8
	Pressure Drop	mAq	6.3	8.7	11.6	10.2	13.9	6.0
	Connection Size	B	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	560.1	630.1	700.1	800.1	900.1	1,000.2
	Pressure Drop	mAq	5.7	7.8	10.2	6.1	8.2	10.8
	Connection Size	B	12	12	12	14	14	14
Fuel	Flow Rate	kg/h	1,960.9	2,206.0	2,451.1	2,801.3	3,151.5	3,501.6
	Stem Inlet Connection	B	4	4	4	5	5	5
	Drain Outlet Connection	B	2	2	2	2.5	2.5	2.5
	Steam Control Valve	B	2	2.5	2.5	2.5	2.5	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	25.1	25.1	25.1	30.1	30.1	30.1
	Thickness Wire	mm ²	4	4	4	4	10	10
	Power	kVA	16.5	16.5	16.5	19.8	19.8	19.8
Pump Data	Absorbent Pump No.1	kW	5.5	5.5	5.5	7.5	7.5	7.5
		A	15.0	15.0	15.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	2.2	2.2	2.2	1.5	1.5	1.5
		A	6.4	6.4	6.4	4.7	4.7	4.7
	Refrigerant Pump	kW	0.4	0.4	0.4	1.3	1.3	1.3
		A	1.8	1.8	1.8	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,995	5,540	6,040	5,635	6,130	6,590
	Width	mm	2,630	2,630	2,630	3,090	3,090	3,090
	Height	mm	3,300	3,300	3,300	3,550	3,550	3,550
Weight	Operating	ton	20.4	21.7	25.1	29.4	31.7	35.4
	Max Shipping	ton	14.3	15.4	16.5	20.7	22.4	24.0
	Total Shipping	ton	17.4	18.9	20.4	25.0	27.0	29.2

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²/K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperatue.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WCSH Series

Model		Unit	WCSH110N	WCSH120N	WCSH130N	WCSH140N	WCSH150N
Cooling Capacity		usRT	1,100	1,200	1,300	1,400	1,500
		kW	3,868	4,220	4,571	4,923	5,274
Chilled Water Data	Temperature	°C	12 → 7				
	Flow Rate	m ³ /h	665.3	725.8	786.2	846.7	907.2
	Pressure Drop	mAq	5.6	7.1	8.9	7.6	9.3
	Connection Size	B	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37				
	Flow Rate	m ³ /h	1,100.2	1,200.2	1,300.2	1,400.2	1,500.2
	Pressure Drop	mAq	8.3	10.6	13.2	10.9	13.3
	Connection Size	B	16	16	16	16	16
Fuel	Flow Rate	kg/h	3,851.8	4,201.9	4,552.1	4,902.3	5,252.4
	Steam Inlet Connection	B	6	6	6	6	6
	Drain Outlet Connection	B	3	3	3	3	3
	Steam Control Valve	B	3	3	3	3	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz				
	Total Current	A	37.2	37.2	37.2	37.2	37.2
	Thickness Wire	mm ²	16	16	16	16	16
	Power	kVA	24.5	24.5	24.5	24.5	24.5
Pump Data	Absorbent Pump No.1	kW	7.5	7.5	7.5	7.5	7.5
		A	20.0	20.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	3.7	3.7	3.7	3.7	3.7
		A	11.8	11.8	11.8	11.8	11.8
	Refrigerant Pump	kW	1.3	1.3	1.3	1.3	1.3
		A	3.5	3.5	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	6,140	6,660	7,160	6,860	7,360
	Width	mm	3,180	3,180	3,180	3,520	3,520
	Height	mm	3,820	3,820	3,820	3,840	3,840
Weight	Operating	ton	40.5	44.8	48.8	54.6	58.6
	Max Shipping	ton	25.9	27.5	29.2	32.2	34.2
	Total Shipping	ton	32.2	34.4	36.5	40.2	42.8

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperature.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCSH Series

Model		Unit	YCSH010N	YCSH012N	YCSH015N	YCSH018N	YCSH021N	YCSH024N
Cooling Capacity		usRT	100	120	150	180	210	240
		kW	352	422	527	633	738	844
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	60.5	72.6	90.7	108.9	127.0	145.2
	Pressure Drop	mAq	7.7	7.7	9.9	10.0	9.3	9.7
	Connection Size	B	4	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	100.0	120.0	150.0	180.0	210.0	240.0
	Pressure Drop	mAq	5.2	5.4	5.1	5.7	4.1	4.5
	Connection Size	B	5	5	5	5	6	6
Fuel	Flow Rate	kg/h	350.2	420.2	525.2	630.3	735.3	840.4
	Stem Inlet Connection	B	2	2	2	2	2	2
	Drain Outlet Connection	B	1	1	1	1	1	1
	Steam Control Valve	B	1	1	1	1.5	1.5	1.5
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	8.0	8.0	11.3	11.3	11.3	11.3
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	5.3	5.3	7.4	7.4	7.4	7.4
Pump Data	Absorbent Pump No.1	kW	1.3	1.3	2.5	2.5	2.5	2.5
		A	3.5	3.5	6.8	6.8	6.8	6.8
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.2
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Weight	Length	mm	2,750	2,750	3,760	3,720	3,720	3,720
	Width	mm	1,920	1,920	1,910	1,910	2,000	2,000
	Height	mm	2,055	2,055	2,070	2,070	2,410	2,410
Weight	Operating	ton	4.5	4.9	5.8	6.4	7.7	8.1
	Max Shipping	ton	3.5	3.8	4.4	4.8	5.7	6.0
	Total Shipping	ton	4.1	4.5	5.3	5.9	6.8	7.3

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²/K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCSH Series

Model		Unit	YCSH028N	YCSH032N	YCSH036N	YCSH040N	YCSH045N	YCSH050N
Cooling Capacity		usRT	280	320	360	400	450	500
		kW	985	1,125	1,266	1,407	1,582	1,758
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	169.3	193.5	217.7	241.9	272.2	302.4
	Pressure Drop	mAq	6.2	6.5	7.0	7.1	6.3	6.4
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	280.0	320.1	360.1	400.1	450.1	500.1
	Pressure Drop	mAq	6.5	6.7	7.1	7.4	6.6	6.7
	Connection Size	B	8	8	8	8	10	10
Fuel	Flow Rate	kg/h	980.5	1,120.5	1,260.6	1,400.6	1,575.7	1,750.8
	Steam Inlet Connection	B	2.5	2.5	3	3	3	3
	Drain Outlet Connection	B	1	1	1.5	1.5	1.5	1.5
	Steam Control Valve	B	1.5	1.5	1.5	2	2	2
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	16.8	16.8	16.8	16.8	19.2	19.2
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	11.1	11.1	11.1	11.1	12.6	12.6
Pump Data	Absorbent Pump No.1	kW	3.4	3.4	3.4	3.4	3.4	3.4
		A	9.1	9.1	9.1	9.1	9.1	9.1
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	2.2	2.2
		A	4.3	4.3	4.3	4.3	6.4	6.4
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
Dimension	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
	Length	mm	4,810	4,810	4,845	4,845	4,850	4,850
Weight	Width	mm	2,005	2,005	2,240	2,240	2,455	2,455
	Height	mm	2,415	2,415	2,610	2,610	2,950	2,950
Weight	Operating	ton	9.5	9.8	11.9	13.0	14.3	16.5
	Max Shipping	ton	6.9	7.1	8.6	9.6	10.4	12.2
	Total Shipping	ton	8.5	8.6	10.5	11.5	12.5	14.5

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperature.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCSH Series

Model		Unit	YCSH056N	YCSH063N	YCSH080N	YCSH090N	YCSH100N
Cooling Capacity		usRT	560	630	800	900	1,000
		kW	1,969	2,215	2,813	3,165	3,516
Chilled Water Data	Temperature	°C	12 → 7				
	Flow Rate	m ³ /h	338.7	381.0	483.8	544.3	604.8
	Pressure Drop	mAq	6.3	8.7	10.2	13.9	6.0
	Connection Size	B	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37				
	Flow Rate	m ³ /h	560.1	630.1	800.1	900.1	1,000.2
	Pressure Drop	mAq	5.7	7.8	6.1	8.2	10.8
	Connection Size	B	12	12	14	14	14
Fuel	Flow Rate	kg/h	1,960.9	2,206.0	2,801.3	3,151.5	3,501.6
	Stem Inlet Connection	B	4	4	5	5	5
	Drain Outlet Connection	B	2	2	2.5	2.5	2.5
	Steam Control Valve	B	2	2.5	2.5	2.5	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz				
	Total Current	A	25.1	25.1	30.1	30.1	30.1
	Thickness Wire	mm ²	4	4	4	10	10
	Power	kVA	16.5	16.5	19.8	19.8	19.8
Pump Data	Absorbent Pump No.1	kW	5.5	5.5	7.5	7.5	7.5
		A	15.0	15.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	2.2	2.2	1.5	1.5	1.5
		A	6.4	6.4	4.7	4.7	4.7
	Refrigerant Pump	kW	0.4	0.4	1.3	1.3	1.3
		A	1.8	1.8	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,995	5,540	5,635	6,130	6,590
	Width	mm	2,630	2,630	3,090	3,090	3,090
	Height	mm	3,300	3,300	3,550	3,550	3,550
Weight	Operating	ton	20.4	21.7	29.4	31.7	35.4
	Max Shipping	ton	15.0	15.6	19.8	21.5	23.7
	Total Shipping	ton	17.6	18.7	25.1	27.1	30.6

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCSH Series

Model		Unit	YCSH110N	YCSH120N	YCSH130N	YCSH140N	YCSH150N
Cooling Capacity		usRT	1,100	1,200	1,300	1,400	1,500
		kW	3,868	4,220	4,571	4,923	5,274
Chilled Water Data	Temperature	°C	12 → 7				
	Flow Rate	m ³ /h	665.3	725.8	786.2	846.7	907.2
	Pressure Drop	mAq	5.6	7.1	8.9	7.6	9.3
	Connection Size	B	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37				
	Flow Rate	m ³ /h	1,100.2	1,200.2	1,300.2	1,400.2	1,500.2
	Pressure Drop	mAq	8.3	10.6	13.2	10.9	13.3
	Connection Size	B	16	16	16	16	16
Fuel	Flow Rate	kg/h	3,851.8	4,201.9	4,552.1	4,902.3	5,252.4
	Stem Inlet Connection	B	6	6	6	6	6
	Drain Outlet Connection	B	3	3	3	3	3
	Steam Control Valve	B	3	3	3	3	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz				
	Total Current	A	37.2	37.2	37.2	37.2	37.2
	Thickness Wire	mm ²	16	16	16	16	16
	Power	kVA	24.5	24.5	24.5	24.5	24.5
Pump Data	Absorbent Pump No.1	kW	7.5	7.5	7.5	7.5	7.5
		A	20.0	20.0	20.0	20.0	20.0
	Absorbent Pump No.2	kW	3.7	3.7	3.7	3.7	3.7
		A	11.8	11.8	11.8	11.8	11.8
	Refrigerant Pump	kW	1.3	1.3	1.3	1.3	1.3
		A	3.5	3.5	3.5	3.5	3.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	6,140	6,660	7,160	6,860	7,360
	Width	mm	3,180	3,180	3,180	3,520	3,520
	Height	mm	3,820	3,820	3,820	3,840	3,840
Weight	Operating	ton	40.5	44.8	48.8	54.6	58.6
	Max Shipping	ton	27.7	30.4	32.7	36.7	39.2
	Total Shipping	ton	35.6	39.6	43.2	48.4	52.1

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
2. Standard Fouling factor of Chilled & Cooling water: 0.086m²K/kW (0.0001 m².h.°C)
3. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
4. Standard gas pressure: 8kg/cm²G (785kPa)

5. Power supply wire size is based on the due of metal conduit and 40 °C of ambient temperatue.
6. Total Shipping Weight include weight of the burner & liquid.
7. The specifications are subject to change without prior notice.
8. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WCMH Series

Model		Unit	WCMH008N	WCMH009N	WCMH011N	WCMH014N	WCMH016N	WCMH018N
Cooling Capacity		usRT	80	100	120	150	170	200
		kW	281	352	422	527	598	703
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	48.4	60.5	72.6	90.7	102.8	121.0
	Pressure Drop	mAq	4.9	5.4	6.3	7.0	6.1	6.7
	Connection Size	B	4	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	106.7	133.3	160.0	200.0	226.7	266.7
	Pressure Drop	mAq	9.5	10.8	9.5	10.9	8.3	9.3
	Connection Size	B	5	5	5	5	6	6
Hot Water Data	Temperature	°C	95 → 80					
	Flow Rate	ton/h	19.4	24.3	29.1	36.4	41.3	48.6
	Pressure Drop	mAq	3.1	3.5	3.6	4.0	3.9	4.2
	Pressure Drop (Valve)	mAq	2.4	1.5	2.1	1.3	1.7	2.4
	Connection Size	B	2	2	2.5	2.5	3	3
	Connection Size (Valve)	B	2	2.5	2.5	3	3	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	7.8	7.8	10.3	10.3	10.3	10.3
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	5.1	5.1	6.8	6.8	6.8	6.8
Pump Data	Absorbent Pump No.1	kW	1.2	1.2	1.5	1.5	1.5	1.5
		A	3.5	3.5	5.5	5.5	5.5	5.5
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.6	1.6	1.6	1.6	1.6	1.6
	Refrigerant Pump	kW	0.2	0.2	0.3	0.3	0.3	0.3
		A	1.1	1.1	1.6	1.6	1.6	1.6
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	2,680	2,680	3,740	3,740	3,700	3,700
	Width	mm	1,600	1,600	1,500	1,500	1,670	1,670
	Height	mm	2,370	2,370	2,370	2,370	2,720	2,720
Weight	Operating	ton	4.2	5.0	5.4	5.8	7.2	7.4
	Max Shipping	ton	3.2	3.8	3.9	4.0	5.0	5.1
	Total Shipping	ton	3.7	4.3	4.7	4.9	6.0	6.2

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WCMH Series

Model		Unit	WCMH021N	WCMH024N	WCMH027N	WCMH030N	WCMH034N	WCMH038N
Cooling Capacity		usRT	230	260	300	330	370	410
		kW	809	914	1,055	1,160	1,301	1,442
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	139.1	157.2	181.4	199.6	223.8	248.0
	Pressure Drop	mAq	4.2	4.3	4.8	4.8	4.3	4.3
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	306.7	346.7	400.0	440.0	493.4	546.7
	Pressure Drop	mAq	7.7	7.8	8.7	8.9	7.8	7.9
	Connection Size	B	8	8	8	8	10	10
Hot Water Data	Temperature	°C	95 → 80					
	Flow Rate	ton/h	55.9	63.2	72.9	80.2	89.9	99.6
	Pressure Drop	mAq	2.9	2.6	2.8	2.8	2.8	2.6
	Pressure Drop (Valve)	mAq	1.2	1.6	2.1	2.5	1.3	1.6
	Connection Size	B	3	4	4	4	4	5
	Connection Size (Valve)	B	4	4	4	4	5	5
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	15.5	15.5	15.5	15.5	19.8	19.8
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	10.2	10.2	10.2	10.2	13.0	13.0
Pump Data	Absorbent Pump No.1	kW	2.4	2.4	2.4	2.4	3.4	3.4
		A	7.0	7.0	7.0	7.0	10.0	10.0
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	2.0	2.0
		A	5.5	5.5	5.5	5.5	6.8	6.8
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.4	1.4	1.4	1.4	1.4	1.4
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,860	4,860	4,860	4,860	4,960	4,960
	Width	mm	1,700	1,700	1,830	1,830	1,940	1,940
	Height	mm	2,715	2,715	2,970	2,970	3,330	3,330
Weight	Operating	ton	8.4	8.8	11.4	11.8	14.4	15.2
	Max Shipping	ton	5.8	6.0	8.2	8.4	10.3	10.5
	Total Shipping	ton	7.1	7.4	9.6	10.0	12.1	12.5

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WCMH Series

Model		Unit	WCMH042N	WCMH047N	WCMH053N	WCMH060N	WCMH068N	WCMH075N
Cooling Capacity		usRT	460	520	580	660	740	830
		kW	1,617	1,828	2,039	2,321	2,602	2,919
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	278.2	314.5	350.8	399.2	447.6	502.0
	Pressure Drop	mAq	4.2	5.9	7.9	6.9	9.4	12.7
	Connection Size	B	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	613.4	693.4	773.4	880.1	986.8	1,107
	Pressure Drop	mAq	6.8	9.3	12.3	7.5	10.8	14.3
	Connection Size	B	12	12	12	14	12	12
Hot Water Data	Temperature	°C	95 → 80					
	Flow Rate	ton/h	111.7	126.3	140.9	160.3	179.7	201.6
	Pressure Drop	mAq	1.3	1.7	2.3	1.9	2.5	3.3
	Pressure Drop (Valve)	mAq	2.0	2.6	2.0	2.6	0.8	1.0
	Connection Size	B	5	5	5	6	6	6
	Connection Size (Valve)	B	5	5	6	6	8	8
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	19.8	19.8	25.4	28.0	28.0	28.0
	Thickness Wire	mm ²	4	4	6	6	6	6
	Power	kVA	13.0	13.0	16.7	18.4	18.4	18.4
Pump Data	Absorbent Pump No.1	kW	3.4	3.4	4.5	4.5	4.5	4.5
		A	10.0	10.0	16.0	16.0	16.0	16.0
	Absorbent Pump No.2	kW	2.0	2.0	2.2	2.2	2.2	2.2
		A	6.8	6.8	6.4	6.4	6.4	6.4
	Refrigerant Pump	kW	0.4	0.4	0.4	1.5	1.5	1.5
		A	1.4	1.4	1.4	4.0	4.0	4.0
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,960	5,480	6,010	5,700	6,205	6,730
	Width	mm	2,045	2,045	2,045	2,340	2,340	2,340
	Height	mm	3,540	3,540	3,540	3,900	3,900	3,900
Weight	Operating	ton	17.2	18.8	20.2	27.8	29.6	32.4
	Max Shipping	ton	12.0	13.0	13.8	19.2	20.4	22.4
	Total Shipping	ton	14.1	15.5	16.6	22.5	24.1	26.5

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WCMH Series

Model		Unit	WCMH083N	WCMH090N	WCMH098N	WCMH105N	WCMH113N	WCMH120N	WCMH135N
Cooling Capacity		usRT	910	990	1,070	1,160	1,240	1,320	1,490
		kW	3,200	3,481	3,762	4,079	4,360	4,641	5,239
Chilled Water Data	Temperature	°C	12 → 7						
	Flow Rate	m ³ /h	550.4	598.8	647.1	701.6	750.0	798.3	901.2
	Pressure Drop	mAq	3.8	4.8	6.0	5.2	6.4	4.2	5.9
	Connection Size	B	12	12	12	14	14	14	14
Cooling Water Data	Temperature	°C	32 → 37						
	Flow Rate	m ³ /h	1,214	1,320	1,427	1,547	1,654	1,760	1,987
	Pressure Drop	mAq	10.6	13.4	16.4	14.0	16.8	12.2	16.5
	Connection Size	B	16	16	16	16	16	18	18
Hot Water Data	Temperature	°C	95 → 80						
	Flow Rate	ton/h	221	240.5	259.9	281.8	301.2	320.6	361.9
	Pressure Drop	mAq	2.3	2.5	3.0	2.6	3.1	3.1	4.5
	Pressure Drop (Valve)	mAq	1.2	1.5	1.7	2.0	2.3	2.6	3.9
	Connection Size	B	6	8	8	8	8	8	8
	Connection Size (Valve)	B	8	8	8	8	8	8	8
Electrical Data	Source	V	380V / 3 / 60(50)Hz						
	Total Current	A	41.6	43.6	43.6	48.6	48.6	48.6	48.6
	Thickness Wire	mm ²	10	16	16	16	16	16	16
	Power	kVA	27.4	28.7	28.7	32.0	32.0	32.0	32.0
Pump Data	Absorbent Pump No.1	kW	4.5	4.5	4.5	7.5	7.5	7.5	7.5
		A	18.0	18.0	18.0	25.0	25.0	25.0	25.0
	Absorbent Pump No.2	kW	4.5	4.5	4.5	4.5	4.5	4.5	4.5
		A	18.0	18.0	18.0	16.0	16.0	16.0	16.0
	Refrigerant Pump	kW	1.5	1.8	1.8	1.8	1.8	1.8	1.8
		A	4.0	6.0	6.0	6.0	6.0	6.0	6.0
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	6,260	6,785	7,285	6,830	7,440	7,850	8,400
	Width	mm	4,040	4,040	4,040	4,370	4,370	4,370	4,370
	Height	mm	2,820	2,820	2,820	2,950	2,950	2,950	2,950
Weight	Operating	ton	34.8	37.6	40.6	44.2	46.6	52.8	57.0
	Max Shipping	ton	23.2	25.0	27.2	30.1	31.4	35.8	46.2
	Total Shipping	ton	28.4	30.7	33.4	36.2	38.0	43.2	38.0

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCMH Series

Model		Unit	YCMH008N	YCMH009N	YCMH011N	YCMH014N	YCMH016N	YCMH018N
Cooling Capacity		usRT	80	100	120	150	170	200
		kW	281	352	422	527	598	703
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	48.4	60.5	72.6	90.7	102.8	121.0
	Pressure Drop	mAq	4.9	5.4	6.3	7.0	6.1	6.7
	Connection Size	B	4	4	4	4	5	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	106.7	133.3	160.0	200.0	226.7	266.7
	Pressure Drop	mAq	11.0	12.3	8.1	9.4	6.9	7.8
	Connection Size	B	5	5	5	5	6	6
Hot Water Data	Temperature	°C	95 → 80					
	Water Flow Rate	ton/h	19.4	24.3	29.1	36.4	41.3	48.6
	Pressure Drop	mAq	3.0	3.4	3.5	3.9	3.8	4.1
	Pressure Drop (Valve)	mAq	2.4	1.5	2.1	1.3	1.7	2.4
	Connection Size	B	2	2	2.5	2.5	3	3
	Connection Size (Valve)	B	2	2.5	2.5	3	3	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	7.8	7.8	10.3	10.3	10.3	10.3
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	5.1	5.1	6.8	6.8	6.8	6.8
Pump Data	Absorbent Pump No.1	kW	1.2	1.2	1.5	1.5	1.5	1.5
		A	3.5	3.5	5.5	5.5	5.5	5.5
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.6	1.6	1.6	1.6	1.6	1.6
	Refrigerant Pump	kW	0.2	0.2	0.3	0.3	0.3	0.3
		A	1.1	1.1	1.6	1.6	1.6	1.6
Dimension	Length	mm	2,680	2,680	3,740	3,740	3,700	3,700
		mm	1,600	1,600	1,500	1,500	1,670	1,670
		mm	2,370	2,370	2,370	2,370	2,720	2,720
Weight	Operating	ton	4.2	5.0	5.4	5.8	7.2	7.4
	Max Shipping	ton	3.7	4.3	4.7	4.9	6.0	6.2
	Total Shipping	ton	3.2	3.8	3.9	4.0	5.0	5.1

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCMH Series

Model		Unit	YCMH021N	YCMH024N	YCMH027N	YCMH030N	YCMH034N	YCMH038N
Cooling Capacity		usRT	230	260	300	330	370	410
		kW	809	914	1,055	1,160	1,301	1,442
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	139.1	157.2	181.4	199.6	223.8	248.0
	Pressure Drop	mAq	4.2	4.3	4.8	4.8	4.3	4.3
	Connection Size	B	6	6	6	6	8	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	306.7	346.7	400.0	440.0	493.4	546.7
	Pressure Drop	mAq	6.8	6.9	7.7	7.9	6.9	7.0
	Connection Size	B	8	8	8	8	10	10
Hot Water Data	Temperature	°C	95 → 80					
	Water Flow Rate	ton/h	55.9	63.2	72.9	80.2	89.9	99.6
	Pressure Drop	mAq	2.8	2.5	2.7	2.7	2.7	2.5
	Pressure Drop (Valve)	mAq	1.2	1.6	2.1	2.5	1.3	1.6
	Connection Size	B	3	4	4	4	4	5
	Connection Size (Valve)	B	4	4	4	4	5	5
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	15.5	15.5	15.5	15.5	19.8	19.8
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	10.2	10.2	10.2	10.2	13.0	13.0
Pump Data	Absorbent Pump No.1	kW	2.4	2.4	2.4	2.4	3.4	3.4
		A	7.0	7.0	7.0	7.0	10.0	10.0
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	2.0	2.0
		A	5.5	5.5	5.5	5.5	6.8	6.8
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.4	1.4	1.4	1.4	1.4	1.4
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,860	4,860	4,860	4,860	4,960	4,960
	Width	mm	1,700	1,700	1,830	1,830	1,940	1,940
	Height	mm	2,715	2,715	2,970	2,970	3,330	3,330
Weight	Operating	ton	8.4	8.8	11.4	11.8	14.4	15.2
	Max Shipping	ton	7.1	7.4	9.6	10.0	12.1	12.5
	Total Shipping	ton	5.8	6.0	8.2	8.4	10.3	10.5

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
5. The specifications are subject to change without prior notice.
6. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YCMH Series

Model		Unit	YCMH042N	YCMH047N	YCMH053N	YCMH060N	YCMH068N	YCMH075N
Cooling Capacity		usRT	460	520	580	660	740	830
		kW	1,617	1,828	2,039	2,321	2,602	2,919
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	278.2	314.5	350.8	399.2	447.6	502.0
	Pressure Drop	mAq	4.2	5.9	7.9	6.9	9.4	12.7
	Connection Size	B	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	613.4	693.4	773.4	880.1	986.8	1,106.8
	Pressure Drop	mAq	5.9	8.1	10.6	6.4	9.3	12.3
	Connection Size	B	12	12	12	14	12	12
Hot Water Data	Temperature	°C	95 → 80					
	Water Flow Rate	ton/h	111.7	126.3	140.9	160.3	179.7	201.6
	Pressure Drop	mAq	1.2	1.7	2.2	1.8	2.4	3.2
	Pressure Drop (Valve)	mAq	2.0	2.6	1.2	1.6	2.0	2.5
	Connection Size	B	5	5	5	6	6	6
	Connection Size (Valve)	B	5	5	6	6	6	6
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	19.8	19.8	25.4	28.0	28.0	28.0
	Thickness Wire	mm ²	4	4	6	6	6	6
	Power	kVA	13.0	13.0	16.7	18.4	18.4	18.4
Pump Data	Absorbent Pump No.1	kW	3.4	3.4	4.5	4.5	4.5	4.5
		A	10.0	10.0	16.0	16.0	16.0	16.0
	Absorbent Pump No.2	kW	2.0	2.0	2.2	2.2	2.2	2.2
		A	6.8	6.8	6.4	6.4	6.4	6.4
	Refrigerant Pump	kW	0.4	0.4	0.4	1.5	1.5	1.5
		A	1.4	1.4	1.4	4.0	4.0	4.0
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,960	5,480	6,010	5,700	6,205	6,730
	Width	mm	2,045	2,045	2,045	2,340	2,340	2,340
	Height	mm	3,540	3,540	3,540	3,900	3,900	3,900
Weight	Operating	ton	17.2	18.8	20.2	27.8	29.6	32.4
	Max Shipping	ton	14.1	15.5	16.6	22.5	24.1	26.5
	Total Shipping	ton	12.0	13.0	13.8	19.2	20.4	22.4

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YCMH Series

Model		Unit	YCMH083N	YCMH090N	YCMH098N	YCMH105N	YCMH113N	YCMH120N	YCMH135N
Cooling Capacity		usRT	910	990	1,070	1,160	1,240	1,320	1,490
		kW	3,200	3,481	3,762	4,079	4,360	4,641	5,239
Chilled Water Data	Temperature	°C	12 → 7						
	Flow Rate	m ³ /h	550.4	598.8	647.1	701.6	750.0	798.3	901.2
	Pressure Drop	mAq	3.8	4.8	6.0	5.2	6.4	4.2	5.9
	Connection Size	B	12	12	12	14	14	14	14
Cooling Water Data	Temperature	°C	32 → 37						
	Flow Rate	m ³ /h	1,213.5	1,320.1	1,426.8	1,546.8	1,653.5	1,760.2	1,986.9
	Pressure Drop	mAq	9.0	11.4	14.0	12.0	14.4	9.9	16.5
	Connection Size	B	16	16	16	16	16	18	18
Hot Water Data	Temperature	°C	95 → 80						
	Water Flow Rate	ton/h	221.0	240.5	259.9	281.8	301.2	320.6	361.9
	Pressure Drop	mAq	2.3	2.4	3.0	2.5	3.0	3.0	4.5
	Pressure Drop (Valve)	mAq	1.2	1.5	1.7	2.0	2.3	2.6	3.9
	Connection Size	B	6	8	8	8	8	8	8
	Connection Size (Valve)	B	8	8	8	8	8	8	8
Electrical Data	Source	V	380V / 3 / 60(50)Hz						
	Total Current	A	41.6	43.6	43.6	48.6	48.6	48.6	48.6
	Thickness Wire	mm ²	10	16	16	16	16	16	16
	Power	kVA	27.4	28.7	28.7	32.0	32.0	32.0	32.0
Pump Data	Absorbent Pump No.1	kW	4.5	4.5	4.5	7.5	7.5	7.5	7.5
		A	18.0	18.0	18.0	25.0	25.0	25.0	25.0
	Absorbent Pump No.2	kW	4.5	4.5	4.5	4.5	4.5	4.5	4.5
		A	18.0	18.0	18.0	16.0	16.0	16.0	16.0
	Refrigerant Pump	kW	1.5	1.8	1.8	1.8	1.8	1.8	1.8
		A	4.0	6.0	6.0	6.0	6.0	6.0	6.0
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	6,260	6,785	7,285	6,830	7,440	7,850	8,400
	Width	mm	4,040	4,040	4,040	4,370	4,370	4,370	4,370
	Height	mm	2,820	2,820	2,820	2,950	2,950	2,950	2,950
Weight	Operating	ton	34.8	37.6	40.6	44.2	46.6	52.8	57.0
	Max Shipping	ton	28.4	30.7	33.4	36.2	38.0	43.2	46.2
	Total Shipping	ton	23.2	25.0	27.2	30.1	31.4	35.8	38.0

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperaure range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperatue.
5. The specifications are subject to change without prior notice.
6. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WC2H Series

Model		Unit	WC2H008N	WC2H009N	WC2H011N	WC2H014N	WC2H016N	WC2H018N
Cooling Capacity		usRT	80	90	110	140	160	180
		kW	281	316	387	492	563	633
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	48.4	54.4	66.5	84.7	96.8	108.9
	Pressure Drop	mAq	11.1	9.6	6.0	6.7	6.6	6.2
	Connection Size	B	3	3	4	4	4	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	114.7	129.0	157.7	200.7	229.3	258.0
	Pressure Drop	mAq	10.1	9.5	6.3	7.6	8.7	7.5
	Connection Size	B	4	4	5	5	5	6
Hot Water Data	Temperature	°C	95 → 55					
	Flow Rate	ton/h	8.3	9.3	11.4	14.5	16.6	18.6
	Pressure Drop	mAq	4.8	4.2	6.7	7.4	6.4	3.7
	Pressure Drop (Valve)	mAq	1.1	1.4	2.1	1.3	1.7	2.2
	Connection Size	B	2	2	2.5	2.5	2.5	3
	Connection Size (Valve)	B	1.5	1.5	1.5	2	2	2
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	10.7	10.7	10.7	10.7	10.7	19.5
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	7.1	7.1	7.1	7.1	7.1	12.8
Pump Data	Absorbent Pump No.1	kW	0.8	0.8	0.8	0.8	0.8	2.2
		A	2.9	2.9	2.9	2.9	2.9	6.4
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	1.5
		A	1.8	1.8	1.8	1.8	1.8	4.3
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.8
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	2,750	2,750	3,780	3,780	3,780	3,820
	Width	mm	2,070	2,070	2,070	2,070	2,070	2,200
	Height	mm	2,310	2,310	2,310	2,310	2,310	2,675
Weight	Operating	ton	5.8	6.2	7.6	8.0	8.4	10.4
	Max Shipping	ton	4.4	4.5	5.4	5.6	5.8	7.2
	Total Shipping	ton	4.8	5.1	6.2	6.5	6.8	8.3

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WC2H Series

Model		Unit	WC2H021N	WC2H024N	WC2H027N	WC2H030N	WC2H034N	WC2H038N
Cooling Capacity		usRT	210	240	270	300	340	380
		kW	738	844	949	1,055	1,196	1,336
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	127.0	145.2	163.3	181.4	205.6	229.8
	Pressure Drop	mAq	6.7	4.5	4.6	4.4	4.7	4.1
	Connection Size	B	5	5	5	6	6	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	301.0	344.0	387.0	430.0	487.3	544.7
	Pressure Drop	mAq	8.4	8.2	8.3	6.6	7.2	6.1
	Connection Size	B	6	8	8	8	8	10
Hot Water Data	Temperature	°C	95 → 55					
	Flow Rate	ton/h	21.7	24.9	28.0	31.1	35.2	39.4
	Pressure Drop	mAq	4.1	3.7	3.7	3.2	3.4	3.4
	Pressure Drop (Valve)	mAq	3.0	1.6	2.0	2.4	1.2	1.5
	Connection Size	B	3	3	3	4	4	4
	Connection Size (Valve)	B	2	2.5	2.5	2.5	3	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	19.5	19.5	19.5	23.1	23.1	23.1
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	12.8	12.8	12.8	15.2	15.2	15.2
Pump Data	Absorbent Pump No.1	kW	2.2	2.2	2.2	3.0	3.0	3.0
		A	6.4	6.4	6.4	7.8	7.8	7.8
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	1.5	1.5
		A	4.3	4.3	4.3	4.8	4.8	4.8
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	3,820	4,840	4,840	4,840	4,840	4,940
	Width	mm	2,200	2,200	2,200	2,555	2,555	2,750
	Height	mm	2,675	2,675	2,675	2,785	2,785	3,150
Weight	Operating	ton	10.8	12.4	13.0	15.8	16.4	20.4
	Max Shipping	ton	7.4	8.6	8.9	10.9	11.2	14.2
	Total Shipping	ton	8.6	9.9	10.3	12.5	13.0	16.1

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

WC2H Series

Model		Unit	WC2H042N	WC2H047N	WC2H053N	WC2H060N	WC2H068N	WC2H075N	WC2H083N
Cooling Capacity		usRT	420	470	530	600	680	750	830
		kW	1,477	1,653	1,864	2,110	2,391	2,637	2,919
Chilled Water Data	Temperature	°C	12 → 7						
	Flow Rate	m ³ /h	254.0	284.3	320.5	362.9	411.3	453.6	502.0
	Pressure Drop	mAq	4.1	4.0	5.6	7.7	7.4	9.6	12.7
	Connection Size	B	8	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37						
	Flow Rate	m ³ /h	602.0	673.6	759.6	860.0	974.6	1,075.0	1,189.6
	Pressure Drop	mAq	6.2	6.4	8.7	11.7	7.9	10.2	13.1
	Connection Size	B	10	10	10	10	12	12	12
Hot Water Data	Temperature	°C	95 → 55						
	Flow Rate	ton/h	43.5	48.7	54.9	62.1	70.4	77.7	86.0
	Pressure Drop	mAq	3.4	3.4	4.7	6.5	4.4	5.7	7.5
	Pressure Drop (Valve)	mAq	1.9	2.4	1.2	1.5	1.9	2.4	2.9
	Connection Size	B	4	4	4	4	5	5	5
	Connection Size (Valve)	B	3	3	4	4	4	4	4
Electrical Data	Source	V	380V / 3 / 60(50)Hz						
	Total Current	A	23.1	47.3	47.3	47.3	47.3	47.3	45.8
	Thickness Wire	mm ²	4	4	4	10	10	10	16
	Power	kVA	15.2	31.1	31.1	31.1	31.1	31.1	30.2
Pump Data	Absorbent Pump No.1	kW	3.0	4.5	4.5	4.5	4.5	4.5	3.7
		A	7.8	13.0	13.0	13.0	13.0	13.0	11.8
	Absorbent Pump No.2	kW	1.5	3.0	3.0	3.0	3.0	3.0	2.2
		A	4.8	8.1	8.1	8.1	8.1	8.1	6.2
	Refrigerant Pump	kW	0.4	1.5	1.5	1.5	1.5	1.5	2.2
		A	1.8	4.8	4.8	4.8	4.8	4.8	6.4
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,940	4,960	5,500	6,000	5,655	6,155	6,640
	Width	mm	2,750	3,050	3,050	3,050	3,400	3,400	3,400
	Height	mm	3,150	3,350	3,350	3,350	3,725	3,725	3,725
Weight	Operating	ton	21.2	25.2	27.8	30.0	37.2	39.8	44.2
	Max Shipping	ton	14.6	17.4	19.1	20.4	25.2	26.9	29.3
	Total Shipping	ton	16.6	19.8	21.9	23.7	28.9	30.9	34.5

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

WC2H Series

Model		Unit	WC2H090N	WC2H098N	WC2H105N	WC2H113N	WC2H120N	WC2H130N	WC2H145N
Cooling Capacity		usRT	900	980	1,050	1,130	1,200	1,300	1,450
		kW	3,165	3,446	3,692	3,973	4,220	4,571	5,099
Chilled Water Data	Temperature	°C	12 → 7						
	Flow Rate	m ³ /h	544.3	592.7	635.0	683.4	725.8	786.2	877.0
	Pressure Drop	mAq	3.7	4.7	5.8	5.1	6.2	4.1	5.6
	Connection Size	B	12	12	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37						
	Flow Rate	m ³ /h	1,290.0	1,404.6	1,505.0	1,619.6	1,720.0	1,863.3	2,078.3
	Pressure Drop	mAq	10.0	12.5	15.1	11.5	13.7	9.5	12.6
	Connection Size	B	14	14	14	16	16	18	18
Hot Water Data	Temperature	°C	95 → 55						
	Flow Rate	ton/h	93.2	101.5	108.7	117.0	124.3	134.6	150.2
	Pressure Drop	mAq	3.7	4.7	5.7	4.4	5.3	4.7	3.5
	Pressure Drop (Valve)	mAq	1.4	1.6	1.9	2.2	2.5	2.9	2.8
	Connection Size	B	5	5	5	6	6	6	6
	Connection Size (Valve)	B	5	5	5	5	5	5	6
Electrical Data	Source	V	380V / 3 / 60(50)Hz						
	Total Current	A	45.8	45.8	55.2	55.2	55.2	73.9	73.9
	Thickness Wire	mm ²	16	16	16	16	16	16	16
	Power	kVA	30.2	30.2	36.3	36.3	36.3	48.7	48.6
Pump Data	Absorbent Pump No.1	kW	3.7	3.7	5.5	5.5	5.5	7.5	16.7
		A	11.8	11.8	19.0	19.0	19.0	19.8	44.6
	Absorbent Pump No.2	kW	2.2	2.2	3.7	3.7	3.7	5.5	7.4
		A	6.2	6.2	11.8	11.8	11.8	14.2	21.2
	Refrigerant Pump	kW	2.2	2.2	2.2	2.2	2.2	2.2	2.2
		A	6.4	6.4	6.4	6.4	6.4	6.5	6.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	6,270	6,795	7,295	6,820	7,320	7,840	8,320
	Width	mm	4,070	4,070	4,070	4,500	4,500	4,500	4,500
	Height	mm	3,890	3,890	3,890	4,080	4,080	4,080	4,080
Weight	Operating	ton	48.0	52.2	56.0	61.0	64.8	73.8	79.4
	Max Shipping	ton	31.7	34.6	37.9	41.1	43.2	49.6	52.8
	Total Shipping	ton	37.4	40.9	44.0	47.7	50.6	57.8	61.8

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
5. The specifications are subject to change without prior notice.
6. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YC2H Series

Model		Unit	YC2H008N	YC2H009N	YC2H011N	YC2H014N	YC2H016N	YC2H018N
Cooling Capacity		usRT	80	90	110	140	160	180
		kW	281	316	387	492	563	633
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	48.4	54.4	66.5	84.7	96.8	108.9
	Pressure Drop	mAq	11.1	9.6	6.0	6.7	6.6	6.2
	Connection Size	B	3	3	4	4	4	5
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	114.7	129.0	157.7	200.7	229.3	258.0
	Pressure Drop	mAq	9.8	9.2	6.0	7.3	8.4	7.3
	Connection Size	B	4	4	5	5	5	6
Hot Water Data	Temperature	°C	95 → 55					
	Flow Rate	ton/h	8.3	9.3	11.4	14.5	16.6	18.6
	Pressure Drop	mAq	4.7	4.1	6.6	7.2	6.3	3.6
	Pressure Drop (Valve)	mAq	2.7	1.4	2.1	1.3	1.7	2.2
	Connection Size	B	2	2	2.5	2.5	2.5	3
	Connection Size (Valve)	B	1.5	1.5	1.5	2	2	2
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	10.7	10.7	10.7	10.7	10.7	19.5
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	7.0	7.0	7.0	7.0	7.0	12.8
Pump Data	Absorbent Pump No.1	kW	0.8	0.8	0.8	0.8	0.8	2.2
		A	2.9	2.9	2.9	2.9	2.9	6.4
	Absorbent Pump No.2	kW	0.4	0.4	0.4	0.4	0.4	1.5
		A	1.8	1.8	1.8	1.8	1.8	4.3
	Refrigerant Pump	kW	0.2	0.2	0.2	0.2	0.2	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.8
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	2,750	2,750	3,780	3,780	3,780	3,820
	Width	mm	2,070	2,070	2,070	2,070	2,070	2,200
	Height	mm	2,310	2,310	2,310	2,310	2,310	2,675
Weight	Operating	ton	5.8	6.2	7.6	8.0	8.4	10.4
	Max Shipping	ton	4.4	4.5	5.4	5.6	5.8	7.2
	Total Shipping	ton	4.8	5.1	6.2	6.5	6.8	8.3

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YC2H Series

Model		Unit	YC2H021N	YC2H024N	YC2H027N	YC2H030N	YC2H034N	YC2H038N
Cooling Capacity		usRT	210	240	270	300	340	380
		kW	738	844	949	1,055	1,196	1,336
Chilled Water Data	Temperature	°C	12 → 7					
	Flow Rate	m ³ /h	127.0	145.2	163.3	181.4	205.6	229.8
	Pressure Drop	mAq	6.7	4.5	4.6	4.4	4.7	4.1
	Connection Size	B	5	5	5	6	6	8
Cooling Water Data	Temperature	°C	32 → 37					
	Flow Rate	m ³ /h	301.0	344.0	387.0	430.0	487.3	544.7
	Pressure Drop	mAq	8.1	7.9	8.0	6.4	7.0	5.9
	Connection Size	B	6	8	8	8	8	10
Hot Water Data	Temperature	°C	95 → 55					
	Flow Rate	ton/h	21.7	24.9	28.0	31.1	35.2	39.4
	Pressure Drop	mAq	4.0	3.6	3.7	3.1	3.3	3.3
	Pressure Drop (Valve)	mAq	3.0	1.6	2.0	2.4	1.2	1.5
	Connection Size	B	3	3	3	4	4	4
	Connection Size (Valve)	B	2	2.5	2.5	2.5	3	3
Electrical Data	Source	V	380V / 3 / 60(50)Hz					
	Total Current	A	19.5	19.5	19.5	23.1	23.1	23.1
	Thickness Wire	mm ²	4	4	4	4	4	4
	Power	kVA	12.8	12.8	12.8	15.2	15.2	15.2
Pump Data	Absorbent Pump No.1	kW	2.2	2.2	2.2	3.0	3.0	3.0
		A	6.4	6.4	6.4	7.8	7.8	7.8
	Absorbent Pump No.2	kW	1.5	1.5	1.5	1.5	1.5	1.5
		A	4.3	4.3	4.3	4.8	4.8	4.8
	Refrigerant Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.8	1.8	1.8	1.8	1.8	1.8
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	3,820	4,840	4,840	4,840	4,840	4,940
	Width	mm	2,200	2,200	2,200	2,555	2,555	2,750
	Height	mm	2,675	2,675	2,675	2,785	2,785	3,150
Weight	Operating	ton	10.8	12.4	13.0	15.8	16.4	20.4
	Max Shipping	ton	7.4	8.6	8.9	10.9	11.2	14.2
	Total Shipping	ton	8.6	9.9	10.3	12.5	13.0	16.1

Note:

- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

- Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
- The specifications are subject to change without prior notice.
- For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Specification

YC2H Series

Model		Unit	YC2H042N	YC2H047N	YC2H053N	YC2H060N	YC2H068N	YC2H075N	YC2H083N
Cooling Capacity		usRT	420	470	530	600	680	750	830
		kW	1,477	1,653	1,864	2,110	2,391	2,637	2,919
Chilled Water Data	Temperature	°C	12 → 7						
	Flow Rate	m ³ /h	254.0	284.3	320.5	362.9	411.3	453.6	502.0
	Pressure Drop	mAq	4.1	4.0	5.6	7.7	7.4	9.6	12.7
	Connection Size	B	8	8	8	8	10	10	10
Cooling Water Data	Temperature	°C	32 → 37						
	Flow Rate	m ³ /h	602.0	673.6	759.6	860.0	974.6	1,075.0	1,189.6
	Pressure Drop	mAq	6.0	6.2	8.4	11.3	7.7	9.8	12.7
	Connection Size	B	10	10	10	10	12	12	12
Hot Water Data	Temperature	°C	95 → 55						
	Flow Rate	ton/h	43.5	48.7	54.9	62.1	70.4	77.7	86.0
	Pressure Drop	mAq	3.3	3.4	4.6	6.3	4.3	5.6	7.3
	Pressure Drop (Valve)	mAq	1.9	2.4	1.2	1.5	1.9	2.4	2.9
	Connection Size	B	4	4	4	4	5	5	5
	Connection Size (Valve)	B	3	3	4	4	4	4	4
Electrical Data	Source	V	380V / 3 / 60(50)Hz						
	Total Current	A	23.1	47.3	47.3	47.3	47.3	47.3	45.8
	Thickness Wire	mm ²	4	4	4	10	10	10	16
	Power	kVA	15.2	31.1	31.1	31.1	31.1	31.1	30.1
Pump Data	Absorbent Pump No.1	kW	3.0	4.5	4.5	4.5	4.5	4.5	3.7
		A	7.8	13.0	13.0	13.0	13.0	13.0	11.8
	Absorbent Pump No.2	kW	1.5	3.0	3.0	3.0	3.0	3.0	2.2
		A	4.8	8.1	8.1	8.1	8.1	8.1	6.2
	Refrigerant Pump	kW	0.4	1.5	1.5	1.5	1.5	1.5	2.2
		A	1.8	4.8	4.8	4.8	4.8	4.8	6.4
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	4,940	4,960	5,500	6,000	5,655	6,155	6,640
	Width	mm	2,750	3,050	3,050	3,050	3,400	3,400	3,400
	Height	mm	3,150	3,350	3,350	3,350	3,725	3,725	3,725
Weight	Operating	ton	21.2	25.2	27.8	30.0	37.2	39.8	44.2
	Max Shipping	ton	14.6	17.4	19.1	20.4	25.2	26.9	29.3
	Total Shipping	ton	16.6	19.8	21.9	23.7	28.9	30.9	34.5

Note:

1. 1usRT = 3,024kcal/h, 1kW = 860kcal/h

2. Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)

3. Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.

5. The specifications are subject to change without prior notice.

6. For other than above this table, contact nearest LG Electronics office.

ABSORPTION *CHILLER*

YC2H Series

Model		Unit	YC2H090N	YC2H098N	YC2H105N	YC2H113N	YC2H120N	YC2H130N	YC2H145N
Cooling Capacity		usRT	900	980	1,050	1,130	1,200	1,300	1,450
		kW	3,165	3,446	3,692	3,973	4,220	4,571	5,099
Chilled Water Data	Temperature	°C	12 → 7						
	Flow Rate	m ³ /h	544.3	592.7	635.0	683.4	725.8	786.2	877.0
	Pressure Drop	mAq	3.7	4.7	5.8	5.1	6.2	4.1	5.6
	Connection Size	B	12	12	12	12	12	14	14
Cooling Water Data	Temperature	°C	32 → 37						
	Flow Rate	m ³ /h	1,290.0	1,404.6	1,505.0	1,619.6	1,720.0	1,863.3	2,078.3
	Pressure Drop	mAq	9.6	12.1	14.5	11.1	13.2	9.2	12.6
	Connection Size	B	14	14	14	16	16	18	18
Hot Water Data	Temperature	°C	95 → 55						
	Flow Rate	ton/h	93.2	101.5	108.7	117.0	124.3	134.6	150.2
	Pressure Drop	mAq	3.7	4.6	5.6	4.3	5.1	4.6	3.5
	Pressure Drop (Valve)	mAq	1.4	1.6	1.9	2.2	2.5	2.9	2.8
	Connection Size	B	5	5	5	6	6	6	6
	Connection Size (Valve)	B	5	5	5	5	5	5	6
Electrical Data	Source	V	380V / 3 / 60(50)Hz						
	Total Current	A	45.8	45.8	55.2	55.2	55.2	73.9	73.9
	Thickness Wire	mm ²	16	16	16	16	16	16	16
	Power	kVA	30.1	30.1	36.3	36.3	36.3	48.6	48.6
Pump Data	Absorbent Pump No.1	kW	3.7	3.7	5.5	5.5	5.5	7.5	16.7
		A	11.8	11.8	19.0	19.0	19.0	19.8	44.6
	Absorbent Pump No.2	kW	2.2	2.2	3.7	3.7	3.7	5.5	7.4
		A	6.2	6.2	11.8	11.8	11.8	14.2	21.2
	Refrigerant Pump	kW	2.2	2.2	2.2	2.2	2.2	2.2	2.2
		A	6.4	6.4	6.4	6.4	6.4	6.5	6.5
	Purge Pump	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		A	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Dimension	Length	mm	6,270	6,795	7,295	6,820	7,320	7,840	8,320
	Width	mm	4,070	4,070	4,070	4,500	4,500	4,500	4,500
	Height	mm	3,890	3,890	3,890	4,080	4,080	4,080	4,080
Weight	Operating	ton	48.0	52.2	56.0	61.0	64.8	73.8	79.4
	Max Shipping	ton	31.7	34.6	37.9	41.1	43.2	49.6	52.8
	Total Shipping	ton	37.4	40.9	44.0	47.7	50.6	57.8	61.8

Note:

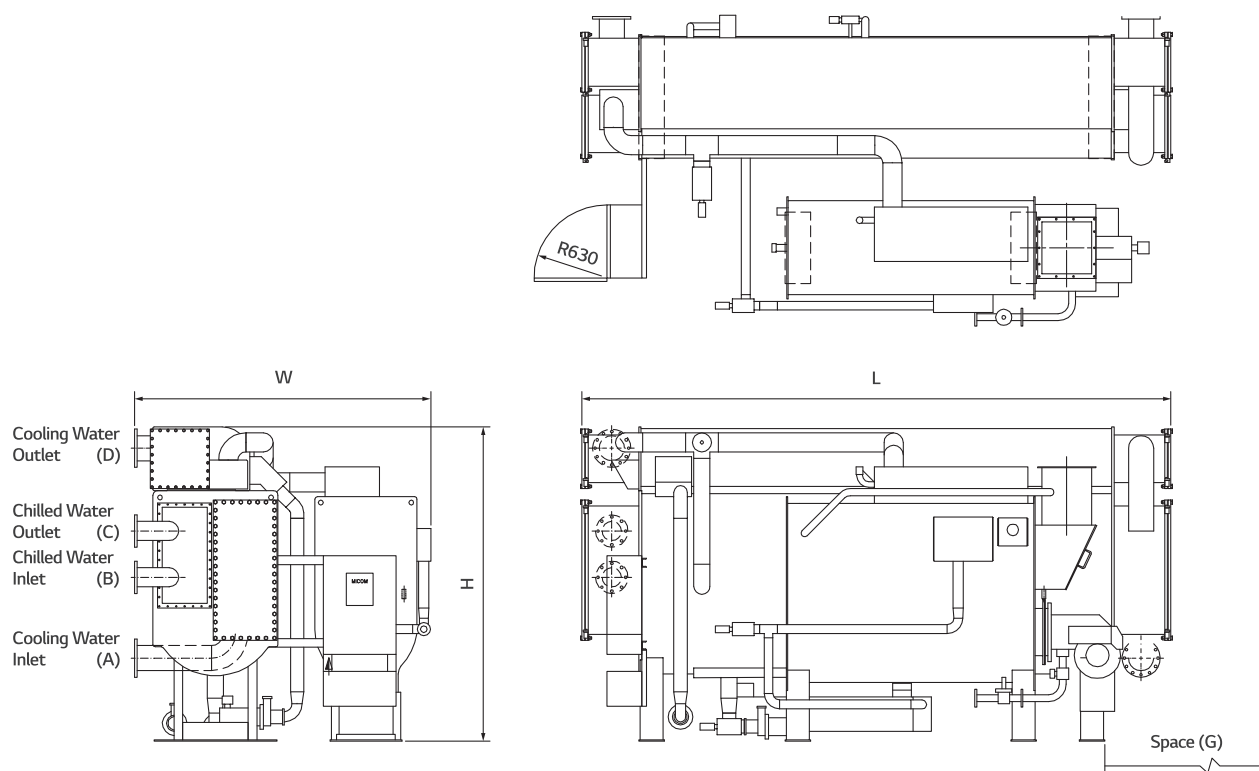
- 1 usRT = 3,024kcal/h, 1kW = 860kcal/h
- Standard Tube and Water Side Pressure(Chiller & Cooling Water Circuit): 10kg/cm²G (981kPa)
- Alternate cooling water temperature range available upon request.

4. Power supply wire size is based on the due of metal conduit and 40°C of ambient temperature.
5. The specifications are subject to change without prior notice.
6. For other than above this table, contact nearest LG Electronics office.

Absorption Chiller & Heater

Dimension

Direct Fired Absorption Chiller Outline (DX Type, 100~700RT)



[Tolerance: ± 30 mm, Unit: mm]

Model	Dimension			Nozzle Connection (B)				Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	G
WCDX010A / YCDX010A	2,735	2,115	2,075	5	4	4	5	2,400
WCDX012A / YCDX012A	2,750	2,125	2,075	5	4	4	5	2,400
WCDX015A / YCDX015A	3,745	2,100	2,075	5	4	4	5	3,400
WCDX018A / YCDX018A	3,745	2,145	2,075	5	4	4	5	3,400
WCDX021A / YCDX021A	3,780	2,170	2,405	6	5	5	6	3,400
WCDX024A / YCDX024A	3,780	2,170	2,405	6	5	5	6	3,400
WCDX028A / YCDX028A	4,860	2,270	2,405	8	6	6	8	4,500
WCDX032A / YCDX032A	4,860	2,225	2,405	8	6	6	8	4,500
WCDX036A / YCDX036A	4,885	2,590	2,590	8	6	6	8	4,500
WCDX040A / YCDX040A	4,885	2,565	2,590	8	6	6	8	4,500
WCDX045A / YCDX045A	4,975	2,875	2,930	10	8	8	10	4,500
WCDX050A / YCDX050A	4,975	2,855	2,930	10	8	8	10	4,500
WCDX056A / YCDX056A	5,055	3,330	3,305	12	8	8	12	4,500
WCDX063A / YCDX063A	5,600	3,150	3,305	12	8	8	12	5,200
WCDX070A / YCDX070A	6,095	3,130	3,305	12	8	8	12	5,700

Note:

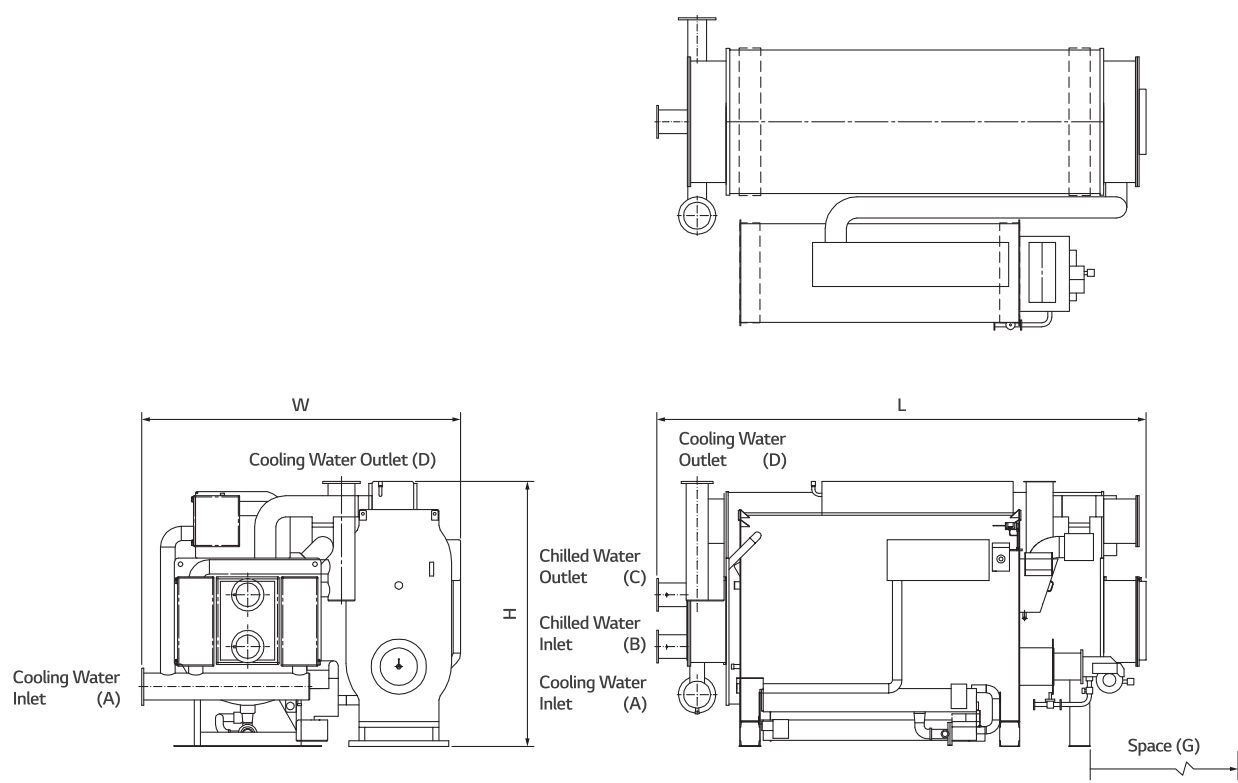
1. Installation and service clearance as follows:

Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm

2. Please refer to the LG Electronics drawings for the piping direction.

ABSORPTION *CHILLER*

Direct Fired Absorption Chiller Outline (DX Type, 800~1,500RT)



[Tolerance: ± 30mm, Unit: mm]

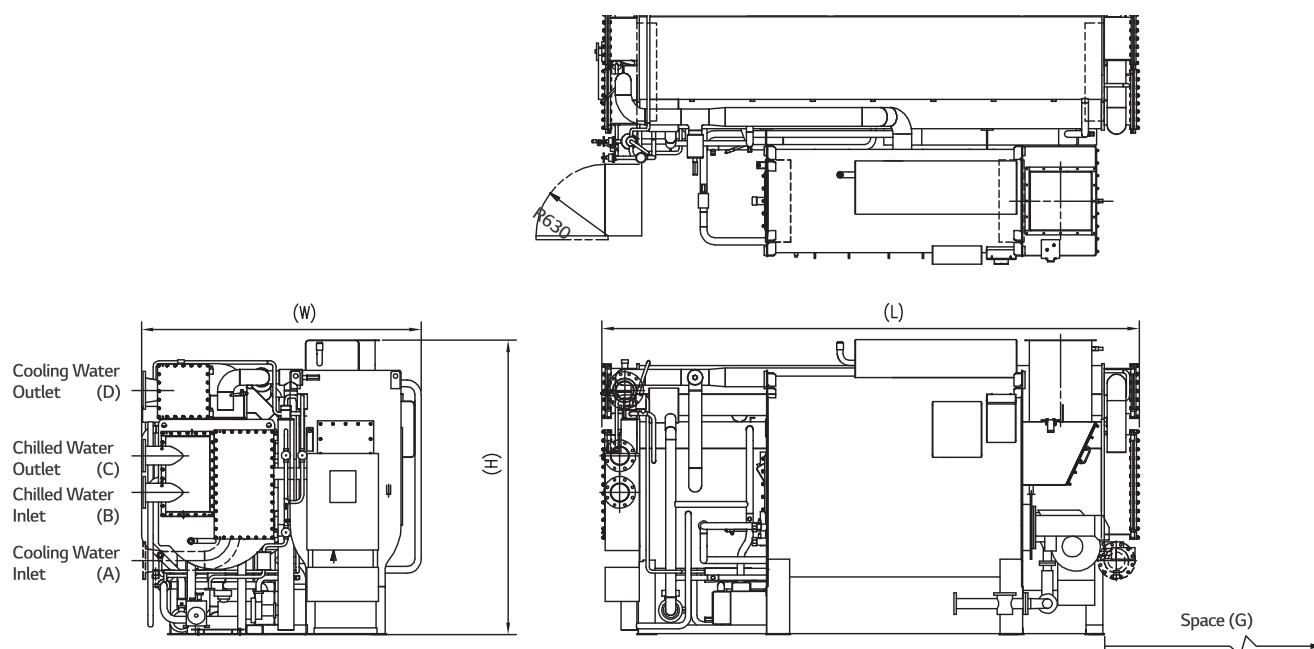
Model	Dimension			Nozzle Connection (B)				Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	G
WCDX080A / YCDX080A	5,635	4,090	3,600	14	10	10	14	5,200
WCDX090S / YCDX090S	6,130	3,960	3,600	14	10	10	14	5,700
WCDX100S / YCDX100S	6,760	3,920	3,600	14	10	10	14	6,200
WCDX110S / YCDX110S	6,140	4,200	3,775	16	12	12	16	5,700
WCDX120S / YCDX120S	6,660	4,300	3,780	16	12	12	16	6,200
WCDX130S / YCDX130S	7,155	4,300	3,780	16	12	12	16	6,700
WCDX140S / YCDX140S	6,640	4,700	3,840	16	14	14	16	6,200
WCDX150S / YCDX150S	7,360	4,850	3,840	16	14	14	16	6,700

- Note:
- Installation and service clearance as follows:
Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm
 - Please refer to the LG Electronics drawings for the piping direction.

Absorption Chiller & Heater

Dimension

Direct Fired Absorption Chiller Outline (DN Type, 100~700RT)



[Tolerance: $\pm 30\text{mm}$, Unit: mm]

Model	Dimension			Nozzle Connection (B)				Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	G
YCDN010A	3,100	2,250	2,130	5	3	3	5	2,400
YCDN012A	3,300	2,250	2,130	5	4	4	5	2,400
YCDN015A	4,000	2,250	2,130	6	4	4	6	3,400
YCDN018A	4,180	2,300	2,130	6	4	4	6	3,400
YCDN021A	4,250	2,490	2,330	6	5	5	6	3,400
YCDN024A	4,550	2,600	2,330	8	5	5	8	3,400
YCDN028A	4,850	2,600	2,330	8	6	6	8	4,500
YCDN032S	5,050	2,600	2,330	8	6	6	8	4,500
YCDN036A	4,800	2,750	2,600	8	6	6	8	4,500
YCDN040A	4,915	2,850	2,600	10	6	6	10	4,500
YCDN045A	5,230	3,150	2,795	10	8	8	10	4,500
YCDN050A	5,430	3,000	2,795	10	8	8	10	4,500
YCDN056A	5,400	3,300	3,280	12	8	8	12	4,500
YCDN063S	5,815	3,350	3,280	12	8	8	12	5,200
YCDN070A	6,000	3,500	3,280	12	8	8	12	5,700

Note:

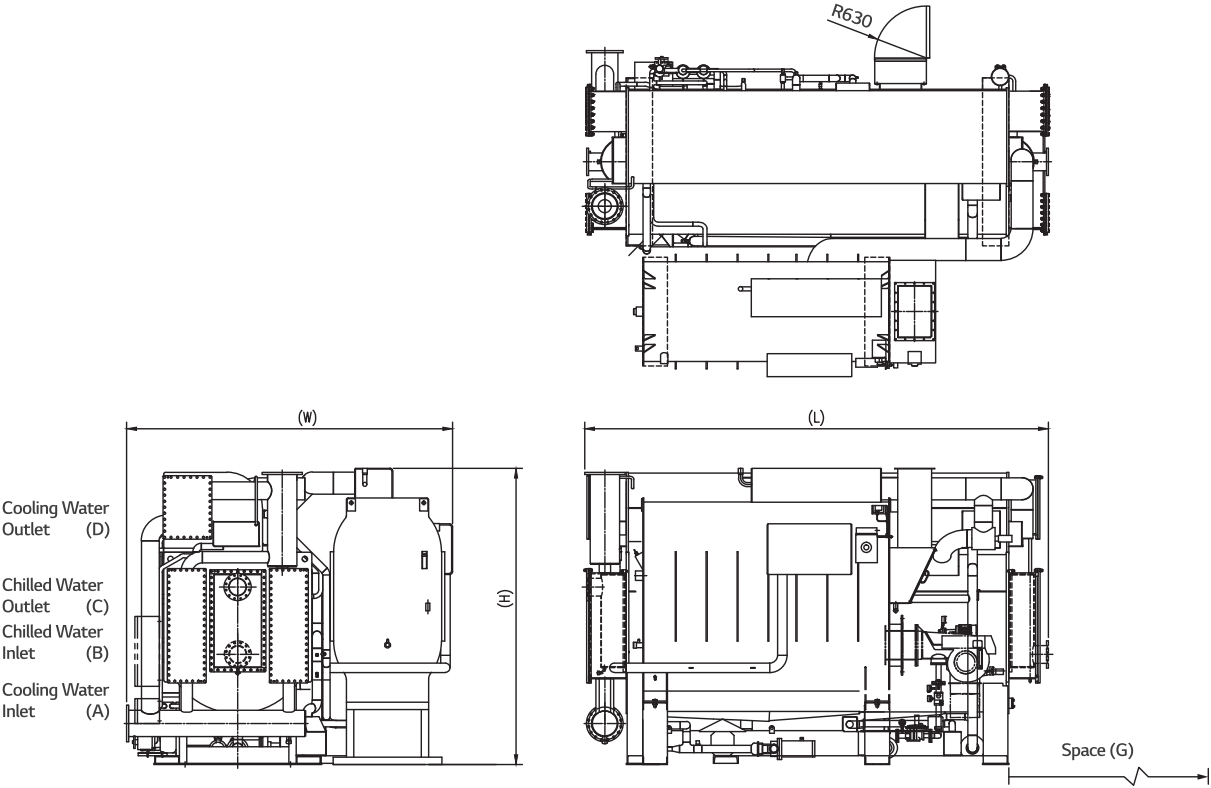
1. Installation and service clearance as follows:

Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm

2. Please refer to the LG Electronics drawings for the piping direction.

ABSORPTION *CHILLER*

Direct Fired Absorption Chiller Outline (DN Type, 800~1,500RT)



[Tolerance: ± 30mm, Unit: mm]

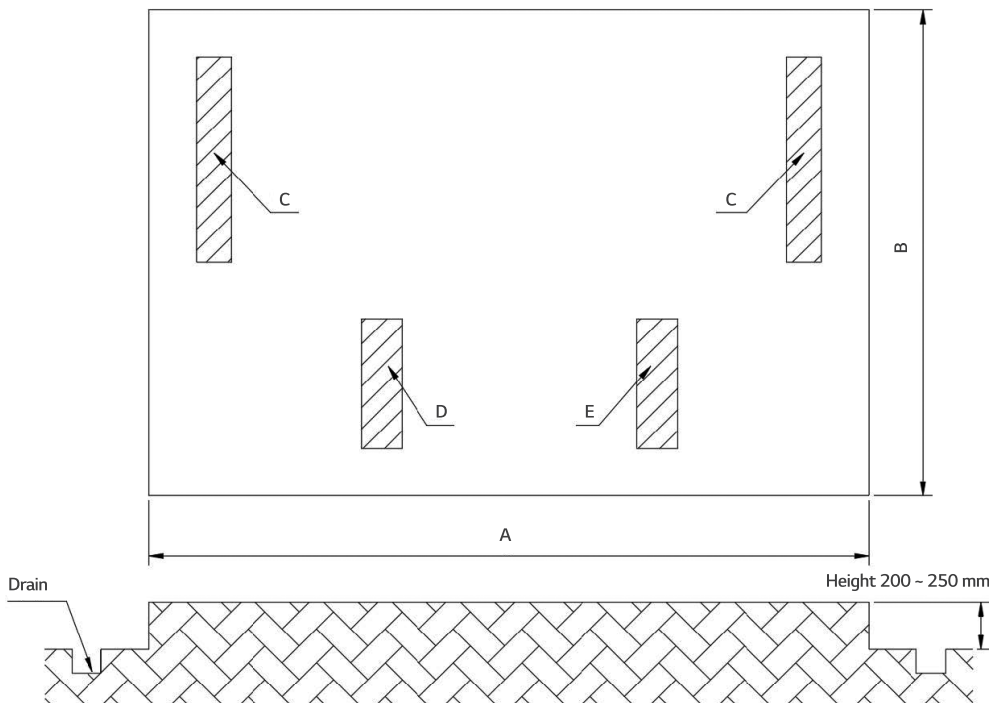
Model	Dimension			Nozzle Connection (B)				Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	G
YCDN080S	5,850	3,570	3,730	14	10	10	14	5,200
YCDN090S	6,150	3,570	3,730	14	10	10	14	5,700
YCDN100S	6,700	3,570	3,730	14	10	10	14	6,200
YCDN110S	6,200	4,360	3,730	16	12	12	16	5,700
YCDN120S	6,700	4,360	3,730	16	12	12	16	6,200
YCDN130S	7,200	4,360	3,730	16	12	12	16	6,700
YCDN140S	6,900	4,560	3,930	16	14	14	16	6,200
YCDN150S	7,400	4,560	3,930	16	14	14	16	6,700

- Note:
- Installation and service clearance as follows:
Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm
 - Please refer to the LG Electronics drawings for the piping direction.

Absorption Chiller & Heater

Dimension

Direct Fired Absorption Chiller Foundation (DX Type)



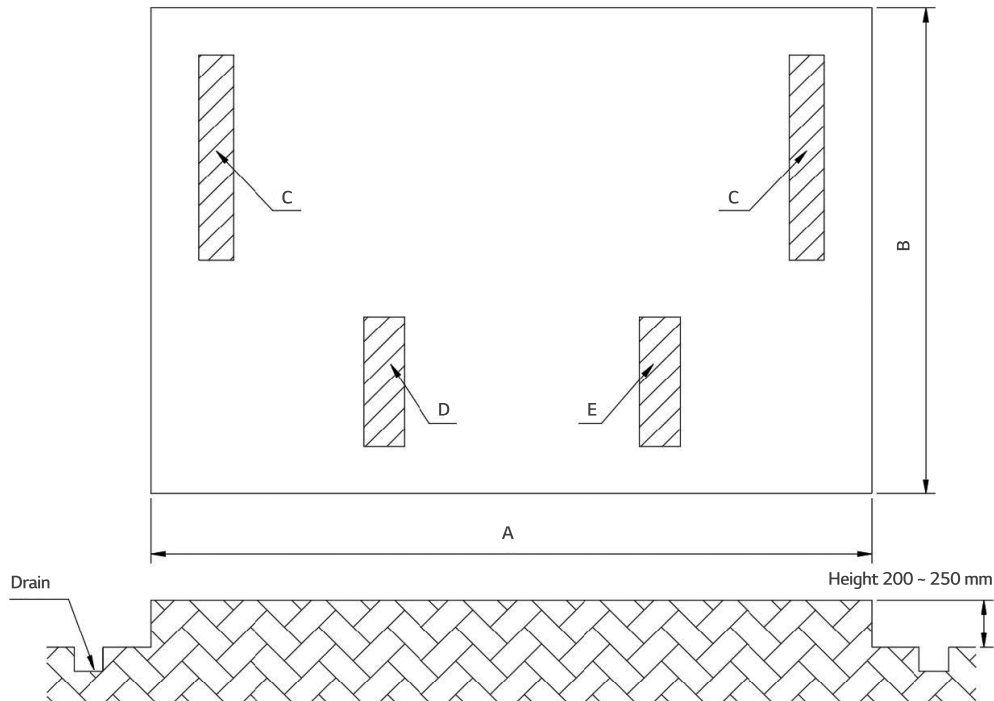
[Tolerance: ± 30mm, Unit: mm]

Model	Dimension		Weight (kg)			
	A	B	C	D	E	Total
WCDX010A / YCDX010A	2,500	2,000	2.0	0.6	0.8	5.4
WCDX012A / YCDX012A	2,500	2,100	2.1	0.6	1.0	5.8
WCDX015A / YCDX015A	3,500	2,100	2.6	0.8	1.0	7.0
WCDX018A / YCDX018A	3,500	2,100	2.7	0.8	1.3	7.5
WCDX021A / YCDX021A	3,500	2,150	3.2	1.0	1.5	8.9
WCDX024A / YCDX024A	3,500	2,150	3.4	1.0	1.6	9.4
WCDX028A / YCDX028A	4,500	2,250	4.1	1.2	1.8	11.2
WCDX032A / YCDX032A	4,500	2,250	4.1	1.3	1.9	11.4
WCDX036A / YCDX036A	4,500	2,650	5.0	1.6	2.5	14.1
WCDX040A / YCDX040A	4,500	2,650	5.2	1.8	2.5	14.7
WCDX045A / YCDX045A	4,500	3,000	6.1	2.0	2.8	17.0
WCDX050A / YCDX050A	4,500	3,000	6.4	2.1	3.0	17.9
WCDX056A / YCDX056A	4,500	3,300	8.3	2.7	3.9	23.2
WCDX063A / YCDX063A	5,050	3,300	9.1	2.9	4.3	25.4
WCDX070A / YCDX070A	5,550	3,300	9.9	3.2	4.6	27.6
WCDX080A / YCDX080A	5,050	3,950	12.8	4.2	3.7	33.5
WCDX090S / YCDX090S	5,550	4,000	13.8	4.3	6.3	38.2
WCDX100S / YCDX100S	6,100	4,000	14.7	4.5	8.3	42.2
WCDX110S / YCDX110S	5,150	4,150	16.3	5.2	12.1	49.9
WCDX120S / YCDX120S	5,700	4,150	17.4	6.1	14.7	55.6
WCDX130S / YCDX130S	6,200	4,150	18.4	6.6	18.1	61.5
WCDX140S / YCDX140S	5,700	4,600	20.5	7.1	16.1	64.2
WCDX150S / YCDX150S	6,200	4,600	21.8	7.9	18.6	70.1

- Note:
1. The foundation and the floor must be sufficiently strong to support the unit weight.
 2. Provide a flow drain near chiller foundation.
 3. Only if foundation anchoring is required, anchor bolts, nuts and washers, shall be supplied together with chiller. Anchor bolts must be fixed on the foundation prior to chiller installation.
 4. Unit must be leveled before startup.
(Horizontal level must be below than 2mm/1,000mm).

ABSORPTION *CHILLER*

Direct Fired Absorption Chiller Foundation (DN Type)



[Tolerance: ± 30 mm, Unit: mm]

Model	Dimension		Weight (kg)			
	A	B	C	D	E	Total
YCDN010S	2,300	2,000	1.9	0.8	1.0	5.6
YCDN012S	2,300	2,100	2.1	0.8	1.0	5.9
YCDN015S	3,300	2,100	2.4	0.9	1.1	6.7
YCDN018S	3,300	2,100	2.5	1.0	1.2	7.1
YCDN021S	3,300	2,150	2.9	1.2	1.4	8.4
YCDN024S	3,300	2,150	3.2	1.2	1.4	8.9
YCDN028S	4,500	2,250	3.8	1.2	1.4	10.2
YCDN032S	4,500	2,250	4.2	1.3	1.5	11.1
YCDN036S	4,500	2,650	4.9	1.6	2.0	13.3
YCDN040S	4,500	2,650	5.1	1.7	2.1	13.9
YCDN045S	4,500	3,000	5.9	2.0	2.4	16.1
YCDN050S	4,500	3,000	6.1	2.1	2.5	16.7
YCDN056S	4,500	3,300	8.5	2.7	3.1	22.7
YCDN063S	5,500	3,300	9.2	3.0	3.4	24.8
YCDN070S	5,500	3,300	9.5	3.5	3.9	26.4
YCDN080S	5,500	3,300	11.7	4.4	4.9	32.6
YCDN090S	5,500	3,300	12.2	5.2	5.7	35.2
YCDN100S	6,000	4,000	12.6	6.1	6.7	38.0
YCDN110S	6,000	4,000	14.6	7.0	7.6	43.8
YCDN120S	6,000	4,000	15.2	8.2	8.6	47.2
YCDN130S	6,000	4,000	15.7	9.2	9.7	50.3
YCDN140S	6,600	4,500	16.9	10.1	10.5	54.3
YCDN150S	6,600	4,500	17.1	11.2	11.8	57.1

Note:

1. The foundation and the floor must be sufficiently strong to support the unit weight.
2. Provide a flow drain near chiller foundation.
3. Only if foundation anchoring is required, anchor bolts, nuts and washers, shall be supplied together with chiller. Anchor bolts must be fixed on the foundation prior to chiller installation.
4. Unit must be leveled before startup.
(Horizontal level must be below than 2mm/1,000mm).

Absorption Chiller & Heater

Dimension

Direct Fired Absorption Chiller Multi-Sectional Shipment (DX Type)

Model	Entrance Dimension Of Total Unit				Entrance Dimension Of 2-Sectional Shipment								
					Low Temperature Generator (Upper+Lower)					High Temperature Generator			
	Length	Width	Height	Weight	Length	Width		Height	Weight	Length	Width	Height	Weight
						+Purge	+Purge/ Hex						
	mm	mm	mm	ton	mm	mm	mm	mm	ton	mm	mm	mm	ton
WCDX010 / YCDX010	2,735	2,115	2,075	4.2	2,735	1,500	1,300	2,100	3.3	1,600	805	1,965	0.9
WCDX012 / YCDX012	2,750	2,125	2,075	4.4	2,750	1,500	1,300	2,100	3.4	1,600	805	1,965	1.0
WCDX015 / YCDX015	3,745	2,100	2,075	5.2	3,745	1,500	1,300	2,100	4.0	1,900	870	1,965	1.2
WCDX018 / YCDX018	3,745	2,145	2,075	5.5	3,745	1,500	1,300	2,100	4.2	1,900	870	1,965	1.3
WCDX021 / YCDX021	3,780	2,170	2,405	6.6	3,780	1,550	1,300	2,400	5.1	2,250	900	2,120	1.5
WCDX024 / YCDX024	3,780	2,170	2,405	7.0	3,780	1,550	1,300	2,400	5.4	2,250	900	2,120	1.6
WCDX028 / YCDX028	4,860	2,270	2,405	8.0	4,860	1,550	1,300	2,400	6.2	2,950	900	2,120	1.8
WCDX032 / YCDX032	4,860	2,225	2,405	8.3	4,860	1,550	1,300	2,400	6.3	2,950	900	2,120	2.0
WCDX036 / YCDX036	4,885	2,590	2,590	10.5	4,885	1,750	1,350	2,600	7.9	2,900	1,050	2,400	2.6
WCDX040 / YCDX040	4,885	2,565	2,590	10.8	4,885	1,750	1,350	2,600	7.9	2,900	1,050	2,400	2.9
WCDX045 / YCDX045	4,975	2,875	2,930	13.0	4,975	1,850	1,450	2,950	9.8	3,300	1,100	2,600	3.2
WCDX050 / YCDX050	4,975	2,855	2,930	13.5	4,975	1,850	1,450	2,950	10.1	3,300	1,100	2,600	3.4
WCDX056 / YCDX056	5,055	3,330	3,305	16.9	5,055	2,100	1,620	3,300	12.7	3,100	2,150	3,000	4.2
WCDX063 / YCDX063	5,600	3,150	3,305	18.1	5,600	2,100	1,620	3,300	13.6	2,100	1,400	3,100	4.5
WCDX070 / YCDX070	6,095	3,130	3,305	19.3	6,095	2,100	1,620	3,370	14.7	3,550	1,350	3,100	4.6
WCDX080 / YCDX080	5,635	4,090	3,600	25.3	5,635	2,610	2,250	3,555	19.7	3,400	1,500	3,600	5.6
WCDX090S / YCDX090S	6,130	3,960	3,600	26.7	6,130	2,610	2,250	3,555	20.5	3,400	1,500	3,600	6.2
WCDX100S / YCDX100S	6,760	3,920	3,600	28.7	6,760	2,610	2,250	3,555	21.6	3,700	1,500	3,600	7.1
WCDX110S / YCDX110S	6,140	4,200	3,775	31.3	6,140	2,700	2,350	3,785	24.3	3,950	1,500	3,600	7.0
WCDX120S / YCDX120S	6,660	4,300	3,780	33.8	6,660	2,700	2,350	3,785	26.2	4,100	1,650	3,600	7.6
WCDX130S / YCDX130S	7,155	4,300	3,780	35.9	7,155	2,700	2,350	3,785	28.0	4,400	1,650	3,600	7.9
WCDX140S / YCDX140S	6,640	4,700	3,840	39.7	6,640	2,700	2,700	3,850	30.4	4,650	1,650	3,600	9.3
WCDX150S / YCDX150S	7,360	4,850	3,840	42.5	7,360	2,700	2,700	3,850	32.7	4,750	1,790	3,800	9.8

Model	Entrance Dimension Of 3-Sectional Shipment													
	Upper Shell				Lower Shell						High Temperature Generator			
	Length	Width	Height	Weight	Length	Width		Height		Weight	Length	Width	Height	Weight
						+Purge	+Purge/ Hex	Non Purge	+Purge					
	mm	mm	mm	ton	mm	mm	mm	mm	mm	ton	mm	mm	mm	ton
WCDX010 / YCDX010	2,735	1,150	510	0.6	2,735	1,500	1,300	2,100	2,100	3.3	1,600	805	1,965	0.9
WCDX012 / YCDX012	2,750	1,150	510	0.6	2,750	1,500	1,300	2,100	2,100	3.4	1,600	805	1,965	1.0
WCDX015 / YCDX015	3,745	1,150	510	0.8	3,745	1,500	1,300	2,100	2,100	4.0	1,900	870	1,965	1.2
WCDX018 / YCDX018	3,745	1,150	510	0.8	3,745	1,500	1,300	2,100	2,100	4.2	1,900	870	1,965	1.3
WCDX021 / YCDX021	3,780	1,200	510	1.0	3,780	1,550	1,300	2,400	2,400	5.1	2,250	900	2,120	1.5
WCDX024 / YCDX024	3,780	1,200	510	1.0	3,780	1,550	1,300	2,400	2,400	5.4	2,250	900	2,120	1.6
WCDX028 / YCDX028	4,860	1,200	510	1.2	4,860	1,550	1,300	2,400	2,400	6.2	2,950	900	2,120	1.8
WCDX032 / YCDX032	4,860	1,200	510	1.1	4,860	1,550	1,300	2,400	2,400	6.3	2,950	900	2,120	2.0
WCDX036 / YCDX036	4,885	1,350	550	1.5	4,885	1,750	1,350	2,600	2,600	7.9	2,900	1,050	2,400	2.6
WCDX040 / YCDX040	4,885	1,350	550	1.4	4,885	1,750	1,350	2,600	2,600	7.9	2,900	1,050	2,400	2.9
WCDX045 / YCDX045	4,975	1,500	650	1.9	4,975	1,850	1,450	2,950	2,950	9.8	3,300	1,100	2,600	3.2
WCDX050 / YCDX050	4,975	1,500	650	1.9	4,975	1,850	1,450	2,950	2,950	10.1	3,300	1,100	2,600	3.4
WCDX056 / YCDX056	5,055	1,550	800	2.5	5,055	2,100	1,620	3,300	3,300	12.7	3,100	2,150	3,000	4.2
WCDX063 / YCDX063	5,600	1,550	800	2.8	5,600	2,100	1,620	3,300	3,300	13.6	2,100	1,400	3,100	4.5
WCDX070 / YCDX070	6,095	1,500	800	3.0	6,095	2,100	1,620	3,370	3,370	14.7	3,550	1,350	3,100	4.6
WCDX080 / YCDX080	5,635	1,580	1,030	3.8	5,635	2,610	2,250	3,555	3,555	19.7	3,400	1,500	3,600	5.6
WCDX090S / YCDX090S	6,130	1,580	1,030	3.8	6,130	2,610	2,250	3,555	3,555	20.5	3,400	1,500	3,600	6.2
WCDX100S / YCDX100S	6,760	1,580	1,030	3.9	6,760	2,610	2,250	3,555	3,555	21.6	3,700	1,500	3,600	7.1
WCDX110S / YCDX110S	6,140	1,700	1,100	4.1	6,140	2,700	2,350	3,785	3,785	24.3	3,950	1,500	3,600	7.0
WCDX120S / YCDX120S	6,660	1,700	1,100	4.3	6,660	2,700	2,350	3,785	3,785	26.2	4,100	1,650	3,600	7.6
WCDX130S / YCDX130S	7,155	1,700	1,100	4.5	7,155	2,700	2,350	3,785	3,785	28.0	4,400	1,650	3,600	7.9
WCDX140S / YCDX140S	6,640	1,960	1,150	5.2	6,640	2,700	2,700	3,850	3,850	30.4	4,650	1,650	3,600	9.3
WCDX150S / YCDX150S	7,360	1,960	1,150	5.6	7,360	2,700	2,700	3,850	3,850	32.7	4,750	1,790	3,800	9.8

Note:

1. The above DATA corresponds to the standard model listed in the catalog. Equipment size can be changed.
2. Since this is the size of the equipment only, please consider the carrying tool (Such as the ski dai) margin.
3. The weight above is the maximum carrying weight of the equipment (Without absorbent).
4. The size of the special sectional shipment may vary depending on the cut area. If the entrance is narrow, please ask for a question by providing the entrance size.

ABSORPTION *CHILLER*

Direct Fired Absorption Chiller Multi-Sectional Shipment (DN Type)

Model	Entrance Dimension Of Total Unit				Entrance Dimension Of 2-Sectional Shipment								
					Low Temperature Generator (Upper+Lower)					High Temperature Generator			
	Length	Width	Height	Weight	Length	Width		Height	Weight	Length	Width	Height	Weight
						+Purge	+Purge/ Hex						
	mm	mm	mm	ton	mm	mm	mm	mm	ton	mm	mm	mm	ton
YCDN010A	3,100	2,250	2,130	4.4	2,650	1,670	1,370	2,130	3.2	2,090	980	2,000	1.2
YCDN012A	3,300	2,250	2,130	4.5	2,650	1,670	1,370	2,130	3.2	2,190	980	2,000	1.3
YCDN015A	4,000	2,250	2,130	5.5	3,670	1,670	1,370	2,130	4.0	2,640	1,120	2,000	1.5
YCDN018A	4,180	2,300	2,130	5.7	3,670	1,670	1,370	2,130	4.1	2,740	1,120	2,000	1.6
YCDN021A	4,250	2,490	2,330	6.7	3,690	1,830	1,430	2,330	4.9	2,850	1,240	2,200	1.8
YCDN024A	4,550	2,600	2,330	7	3,690	1,830	1,430	2,330	5.0	2,900	1,240	2,200	2.0
YCDN028A	4,850	2,600	2,330	8.1	4,710	1,990	1,590	2,330	5.9	3,330	1,360	2,250	2.2
YCDN032S	5,050	2,600	2,330	8.5	4,710	1,990	1,590	2,330	6.0	3,720	1,360	2,250	2.5
YCDN036A	4,800	2,750	2,600	10.8	4,810	2,180	1,780	2,600	7.8	3,440	1,360	2,500	3.0
YCDN040A	4,915	2,850	2,600	11.2	4,810	2,180	1,780	2,600	8.1	3,810	1,360	2,500	3.1
YCDN045A	5,230	3,150	2,795	13.3	4,950	2,430	2,080	2,795	9.5	3,820	1,400	2,600	3.8
YCDN050A	5,430	3,000	2,795	13.6	4,950	2,430	2,080	2,795	9.6	3,820	1,400	2,600	4.0
YCDN056A	5,400	3,300	3,280	17.9	5,000	2,510	2,150	3,240	13.2	3,800	1,600	3,100	4.7
YCDN063S	5,815	3,350	3,280	19.4	5,500	2,510	2,150	3,240	14.4	4,050	1,600	3,100	5.0
YCDN070A	6,000	3,500	3,280	20.4	5,980	2,510	2,150	3,240	15.1	4,250	1,600	3,100	5.3
YCDN080S	5,850	3,570	3,730	25.3	5,650	2,800	2,580	3,450	18.7	4,400	1,800	3,730	6.6
YCDN090S	6,150	3,570	3,730	27.1	6,150	2,800	2,580	3,450	19.9	4,500	1,800	3,730	7.2
YCDN100S	6,700	3,570	3,730	29.1	6,700	2,800	2,580	3,450	21.3	4,800	1,800	3,730	7.8
YCDN110S	6,200	4,360	3,730	33.4	6,200	2,800	2,580	3,640	24.0	4,900	2,100	3,730	9.4
YCDN120S	6,700	4,360	3,730	35.8	6,700	2,800	2,580	3,640	25.6	5,200	2,100	3,730	10.2
YCDN130S	7,200	4,360	3,730	37.9	7,200	2,800	2,580	3,640	26.9	5,700	2,100	3,730	11.0
YCDN140S	6,900	4,560	3,930	41.3	6,900	3,100	2,800	3,690	29.4	5,700	2,300	3,930	11.9
YCDN150S	7,400	4,560	3,930	43.1	7,400	3,100	2,800	3,690	30.7	5,900	2,300	3,930	12.4

Model	Entrance Dimension Of 3-Sectional Shipment													
	Upper Shell				Lower Shell						High Temperature Generator			
	Length	Width	Height	Weight	Length	Width		Height		Weight	Length	Width	Height	Weight
						+Purge	+Purge/ Hex	Non Purge	+Purge					
	mm	mm	mm	ton	mm	mm	mm	mm	mm	ton	mm	mm	mm	ton
YCDN010A	2,650	1,100	480	0.8	2,650	1,670	1,370	2,000	1,680	2.4	2,090	980	2,000	1.2
YCDN012A	2,650	1,100	480	0.8	2,650	1,670	1,370	2,000	1,680	2.4	2,190	980	2,000	1.3
YCDN015A	3,670	1,100	480	1.1	3,670	1,670	1,370	2,000	1,680	2.9	2,640	1,120	2,000	1.5
YCDN018A	3,670	1,100	480	1.2	3,670	1,670	1,370	2,000	1,680	2.9	2,740	1,120	2,000	1.6
YCDN021A	3,690	1,300	550	1.3	3,690	1,830	1,430	2,160	1,800	3.6	2,850	1,240	2,200	1.8
YCDN024A	3,690	1,300	550	1.4	3,690	1,830	1,430	2,160	1,800	3.6	2,900	1,240	2,200	2.0
YCDN028A	4,710	1,300	550	1.6	4,710	1,990	1,590	2,160	1,800	4.3	3,330	1,360	2,250	2.2
YCDN032S	4,710	1,300	550	1.7	4,710	1,990	1,590	2,160	1,800	4.3	3,720	1,360	2,250	2.5
YCDN036A	4,810	1,350	550	2.1	4,810	2,180	1,780	2,500	2,050	5.7	3,440	1,360	2,500	3.0
YCDN040A	4,810	1,350	550	2.3	4,810	2,180	1,780	2,500	2,050	5.8	3,810	1,360	2,500	3.1
YCDN045A	4,950	1,500	650	2.6	4,950	2,430	2,080	2,600	2,200	6.9	3,820	1,400	2,600	3.8
YCDN050A	4,950	1,500	650	2.9	4,950	2,430	2,080	2,600	2,200	6.7	3,820	1,400	2,600	4.0
YCDN056A	5,000	1,700	800	3.6	5,000	2,510	2,150	2,950	2,450	9.6	3,800	1,600	3,100	4.7
YCDN063S	5,500	1,700	800	3.9	5,500	2,510	2,150	2,950	2,450	10.5	4,050	1,600	3,100	5.0
YCDN070A	5,980	1,700	800	4.1	5,980	2,510	2,150	2,950	2,450	11.0	4,250	1,600	3,100	5.3
YCDN080S	5,600	1,900	1,100	5.0	5,600	2,800	2,580	2,700	2,550	13.7	4,400	1,800	3,730	6.6
YCDN090S	6,150	1,900	1,100	5.4	6,150	2,800	2,580	2,700	2,550	14.5	4,500	1,800	3,730	7.2
YCDN100S	6,700	1,900	1,100	5.8	6,700	2,800	2,580	2,700	2,550	15.5	4,800	1,800	3,730	7.8
YCDN110S	6,200	1,800	1,050	6.5	6,200	2,800	2,580	2,750	2,750	17.5	4,900	2,100	3,730	9.4
YCDN120S	6,700	1,800	1,050	6.9	6,700	2,800	2,580	2,750	2,750	18.7	5,200	2,100	3,730	10.2
YCDN130S	7,200	1,800	1,050	7.3	7,200	2,800	2,580	2,750	2,750	19.6	5,700	2,100	3,730	11.0
YCDN140S	6,650	2,400	1,100	7.9	6,900	3,100	2,800	2,850	2,850	21.5	5,700	2,300	3,930	11.9
YCDN150S	7,200	2,400	1,100	8.3	7,400	3,100	2,800	2,850	2,850	22.4	5,900	2,300	3,930	12.4

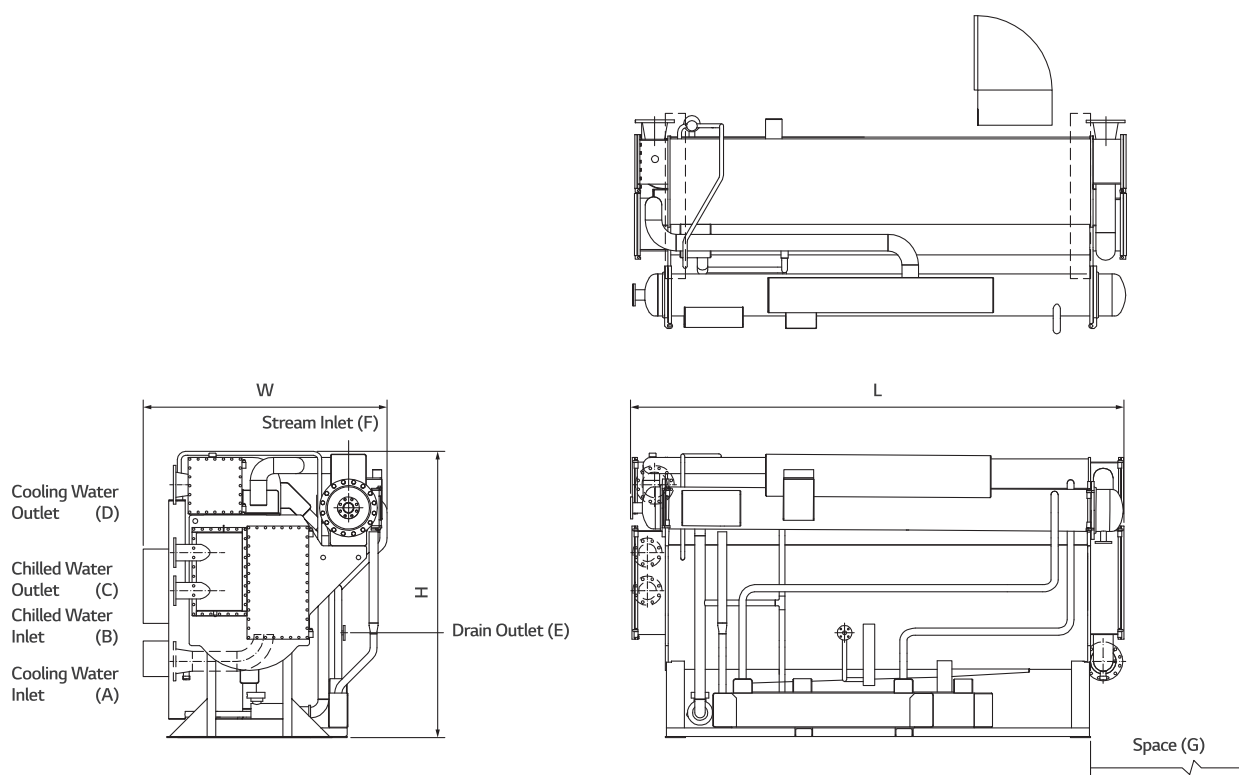
Note:

1. The above DATA corresponds to the standard model listed in the catalog. Equipment size can be changed.
2. Since this is the size of the equipment only, please consider the carrying tool (Such as the ski dai) margin.
3. The weight above is the maximum carrying weight of the equipment (Without absorbent).
4. The size of the special sectional shipment may vary depending on the cut area. If the entrance is narrow, please ask for a question by providing the entrance size.

Absorption Chiller & Heater

Dimension

Steam Fired Absorption Chiller Outline (SH Type, 100~700RT)



[Tolerance: ± 30 mm, Unit: mm]

Model	Dimension			Nozzle Connection (B)						Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	E	F	G
WCSH010 / YCSH010	2,750	1,920	2,055	5	4	4	5	1	2	2,400
WCSH012 / YCSH012	2,750	1,920	2,055	5	4	4	5	1	2	2,400
WCSH015 / YCSH015	3,760	1,910	2,070	5	4	4	5	1	2	3,400
WCSH018 / YCSH018	3,720	1,910	2,070	5	4	4	5	1	2	3,400
WCSH021 / YCSH021	3,720	2,000	2,410	6	5	5	6	1	2	3,400
WCSH024 / YCSH024	3,720	2,000	2,410	6	5	5	6	1	2	3,400
WCSH028 / YCSH028	4,810	2,005	2,415	8	6	6	8	1	2.5	4,500
WCSH032 / YCSH032	4,810	2,005	2,415	8	6	6	8	1	2.5	4,500
WCSH036 / YCSH036	4,845	2,240	2,610	8	6	6	8	1.5	3	4,500
WCSH040 / YCSH040	4,845	2,240	2,610	8	6	6	8	1.5	3	4,500
WCSH045 / YCSH045	4,850	2,455	2,950	10	8	8	10	1.5	3	4,500
WCSH050 / YCSH050	4,850	2,455	2,950	10	8	8	10	1.5	3	4,500
WCSH056 / YCSH056	4,995	2,630	3,300	12	8	8	12	2	4	4,500
WCSH063 / YCSH063	5,540	2,630	3,300	12	8	8	12	2	4	5,200
WCSH070 / YCSH070	6,040	2,630	3,300	12	8	8	12	2	4	5,700

Note:

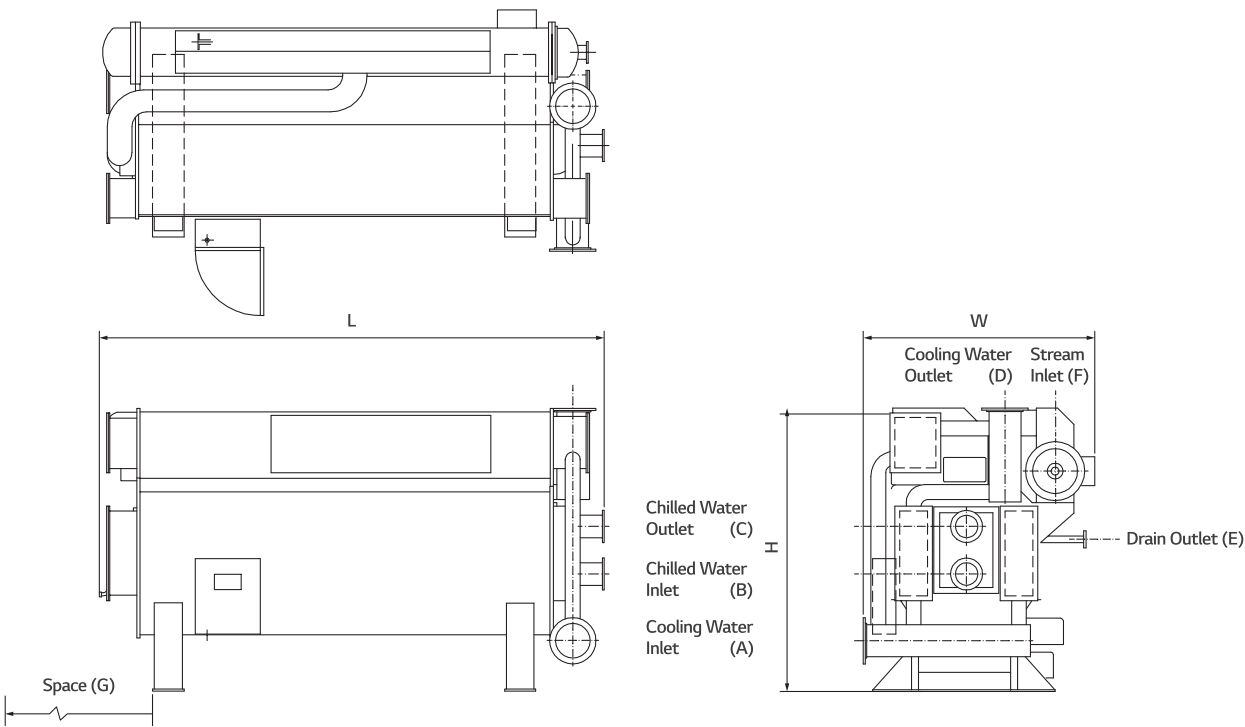
1. Installation and service clearance as follows:

Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm

2. Please refer to the LG Electronics drawings for the piping direction.

ABSORPTION *CHILLER*

Steam Fired Absorption Chiller Outline (SH Type, 800~1,500RT)



[Tolerance: ± 30mm, Unit: mm]

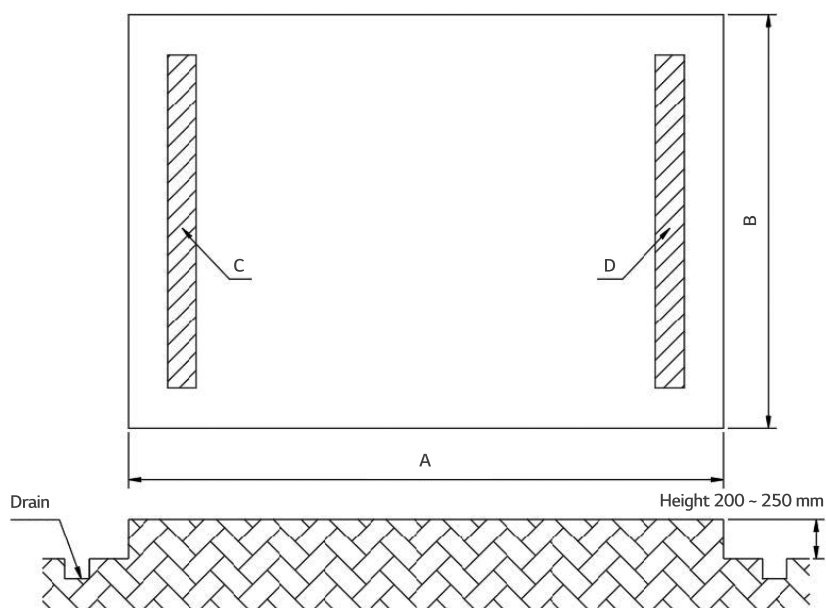
Model	Dimension			Nozzle Connection (B)						Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	E	F	G
WCSH080 / YCSH080	5,635	3,090	3,550	14	10	10	14	2.5	5	5,200
WCSH090 / YCSH090	6,130	3,090	3,550	14	10	10	14	2.5	5	5,700
WCSH100 / YCSH100	6,590	3,090	3,550	14	10	10	14	2.5	5	6,200
WCSH110 / YCSH110	6,140	3,180	3,820	16	12	12	16	3	6	5,700
WCSH120 / YCSH120	6,660	3,180	3,820	16	12	12	16	3	6	6,200
WCSH130 / YCSH130	7,160	3,180	3,820	16	12	12	16	3	6	6,700
WCSH140 / YCSH140	6,860	3,520	3,840	16	14	14	16	3	6	6,200
WCSH150 / YCSH150	7,360	3,520	3,840	16	14	14	16	3	6	6,700

- Note:
- Installation and service clearance as follows:
Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm
 - Please refer to the LG Electronics drawings for the piping direction.

Absorption Chiller & Heater

Dimension

Steam Fired Absorption Chiller Outline (SH Type, 100~700RT)



[Tolerance: ± 30 mm, Unit: mm]

Model	Dimension		Nozzle Connection (A)		
	A	B	C	D	Total
WCSH010 / YCSH010	2,466	1,500	2.3	2.2	4.5
WCSH012 / YCSH012	2,466	1,500	2.5	2.4	4.9
WCSH015 / YCSH015	3,486	1,500	2.9	2.9	5.8
WCSH018 / YCSH018	3,486	1,500	3.2	3.2	6.4
WCSH021 / YCSH021	3,486	1,800	3.9	3.8	7.7
WCSH024 / YCSH024	3,486	1,800	4.1	4.0	8.1
WCSH028 / YCSH028	4,506	1,800	4.7	4.8	9.5
WCSH032 / YCSH032	4,506	1,800	4.9	4.9	9.8
WCSH036 / YCSH036	4,506	1,900	6.0	5.9	11.9
WCSH040 / YCSH040	4,506	1,900	6.5	6.5	13.0
WCSH045 / YCSH045	4,506	2,000	7.2	7.1	14.3
WCSH050 / YCSH050	4,506	2,000	8.3	8.2	16.5
WCSH056 / YCSH056	4,506	2,300	10.2	10.2	20.4
WCSH063 / YCSH063	5,048	2,300	10.9	10.8	21.7
WCSH070 / YCSH070	5,546	2,300	12.6	12.5	25.1
WCSH080 / YCSH080	5,048	2,660	14.7	14.7	29.4
WCSH090 / YCSH090	5,546	2,660	15.9	15.8	31.7
WCSH100 / YCSH100	6,071	2,660	17.7	17.7	35.4
WCSH110 / YCSH110	5,546	2,780	20.3	20.2	40.5
WCSH120 / YCSH120	6,071	2,780	22.4	22.4	44.8
WCSH130 / YCSH130	6,571	2,780	24.4	24.4	48.8
WCSH140 / YCSH140	6,071	3,020	27.3	27.3	54.6
WCSH150 / YCSH150	6,571	3,020	29.3	29.3	58.6

Note:

1. The foundation and the floor must be sufficiently strong to support the unit weight.
2. Provide a flow drain near chiller foundation.
3. Only if foundation anchoring is required, anchor bolts, nuts and washers, shall be supplied together with chiller. Anchor bolts must be fixed on the foundation prior to chiller installation.
4. Unit must be leveled before startup.
(Horizontal level must be below than 2mm/1,000mm).

ABSORPTION *CHILLER*

Steam Fired Absorption Chiller Outline (SH Type, 800~1,500RT)

Model	Entrance Dimension Of Total Unit			
	Length	Width	Height	Weight
	mm	mm	mm	ton
WCSH010 / YCSH010	2,750	1,920	2,055	4.3
WCSH012 / YCSH012	2,750	1,920	2,055	4.4
WCSH015 / YCSH015	3,760	1,910	2,070	5.4
WCSH018 / YCSH018	3,720	1,910	2,070	5.8
WCSH021 / YCSH021	3,720	2,000	2,410	6.9
WCSH024 / YCSH024	3,720	2,000	2,410	7.2
WCSH028 / YCSH028	4,810	2,005	2,415	8.4
WCSH032 / YCSH032	4,810	2,005	2,415	8.8
WCSH036 / YCSH036	4,845	2,240	2,610	10.7
WCSH040 / YCSH040	4,845	2,240	2,610	11.1
WCSH045 / YCSH045	4,850	2,455	2,950	13.4
WCSH050 / YCSH050	4,850	2,455	2,950	13.8
WCSH056 / YCSH056	4,995	2,630	3,300	17.4
WCSH063 / YCSH063	5,540	2,630	3,300	18.9
WCSH070 / YCSH070	6,040	2,630	3,300	20.4
WCSH080 / YCSH080	5,635	3,090	3,550	25.0
WCSH090 / YCSH090	6,130	3,090	3,550	27.0
WCSH100 / YCSH100	6,590	3,090	3,550	29.2
WCSH110 / YCSH110	6,140	3,180	3,820	32.2
WCSH120 / YCSH120	6,660	3,180	3,820	34.4
WCSH130 / YCSH130	7,160	3,180	3,820	36.5
WCSH140 / YCSH140	6,860	3,520	3,840	40.2
WCSH150 / YCSH150	7,360	3,520	3,840	42.8

Model	Entrance Dimension Of 3-Sectional Shipment											
	Upper Shell				Lower Shell				High Temperature Generator			
	Length	Width	Height	Weight	Length	Width	Height	Weight	Length	Width	Height	Weight
	mm	mm	mm	ton	mm	mm	mm	ton	mm	mm	mm	ton
WCSH010 / YCSH010	2,750	1,180	530	0.7	2,750	1,520	2,010	2.7	2,600	500	700	0.9
WCSH012 / YCSH012	2,750	1,180	530	0.6	2,750	1,520	2,010	2.8	2,600	500	700	1.0
WCSH015 / YCSH015	3,760	1,180	530	1.0	3,760	1,520	2,010	3.2	3,620	500	700	1.2
WCSH018 / YCSH018	3,720	1,180	530	1.1	3,720	1,520	2,010	3.4	3,620	500	700	1.3
WCSH021 / YCSH021	3,720	1,250	600	1.3	3,720	1,520	2,155	4.1	3,650	530	790	1.5
WCSH024 / YCSH024	3,720	1,250	600	1.2	3,720	1,520	2,155	4.4	3,650	530	790	1.6
WCSH028 / YCSH028	4,810	1,250	600	1.6	4,810	1,520	2,155	5.0	4,680	530	790	1.8
WCSH032 / YCSH032	4,810	1,250	600	1.6	4,810	1,520	2,155	5.2	4,680	530	790	2.0
WCSH036 / YCSH036	4,845	1,385	670	1.7	4,845	1,730	2,550	6.4	4,730	630	850	2.6
WCSH040 / YCSH040	4,845	1,385	670	1.7	4,845	1,730	2,550	6.5	4,730	630	850	2.9
WCSH045 / YCSH045	4,850	1,520	710	2.3	4,850	1,910	2,625	7.9	4,860	720	920	3.2
WCSH050 / YCSH050	4,850	1,520	710	2.2	4,850	1,910	2,625	8.2	4,860	720	920	3.4
WCSH056 / YCSH056	4,995	1,600	870	3.0	4,995	2,140	2,980	10.2	4,900	770	1,070	4.2
WCSH063 / YCSH063	5,540	1,600	870	3.6	5,540	2,140	2,980	10.9	5,450	770	1,070	4.5
WCSH070 / YCSH070	6,040	1,600	870	4.1	6,040	2,140	2,980	11.7	5,940	770	1,070	4.6
WCSH080 / YCSH080	5,635	1,770	1,090	3.5	5,635	2,570	2,840	16.0	5,600	1,000	1,230	5.6
WCSH090 / YCSH090	6,130	1,770	1,090	4.1	6,130	2,570	2,840	16.7	6,000	1,000	1,230	6.2
WCSH100 / YCSH100	6,590	1,770	1,090	4.4	6,590	2,570	2,840	17.7	6,530	1,000	1,230	7.1
WCSH110 / YCSH110	6,140	2,200	1,140	5.0	6,140	2,890	3,000	20.3	6,000	930	1,230	7.0
WCSH120 / YCSH120	6,660	2,200	1,140	4.9	6,660	2,890	3,000	21.9	6,990	930	1,230	7.6
WCSH130 / YCSH130	7,160	2,200	1,140	5.1	7,160	2,890	3,000	23.4	6,000	930	1,230	7.9
WCSH140 / YCSH140	6,860	2,300	1,170	5.7	6,860	3,500	3,000	25.2	6,540	950	1,310	9.3
WCSH150 / YCSH150	7,360	2,300	1,170	5.9	7,360	3,500	3,000	27.2	7,040	950	1,310	9.8

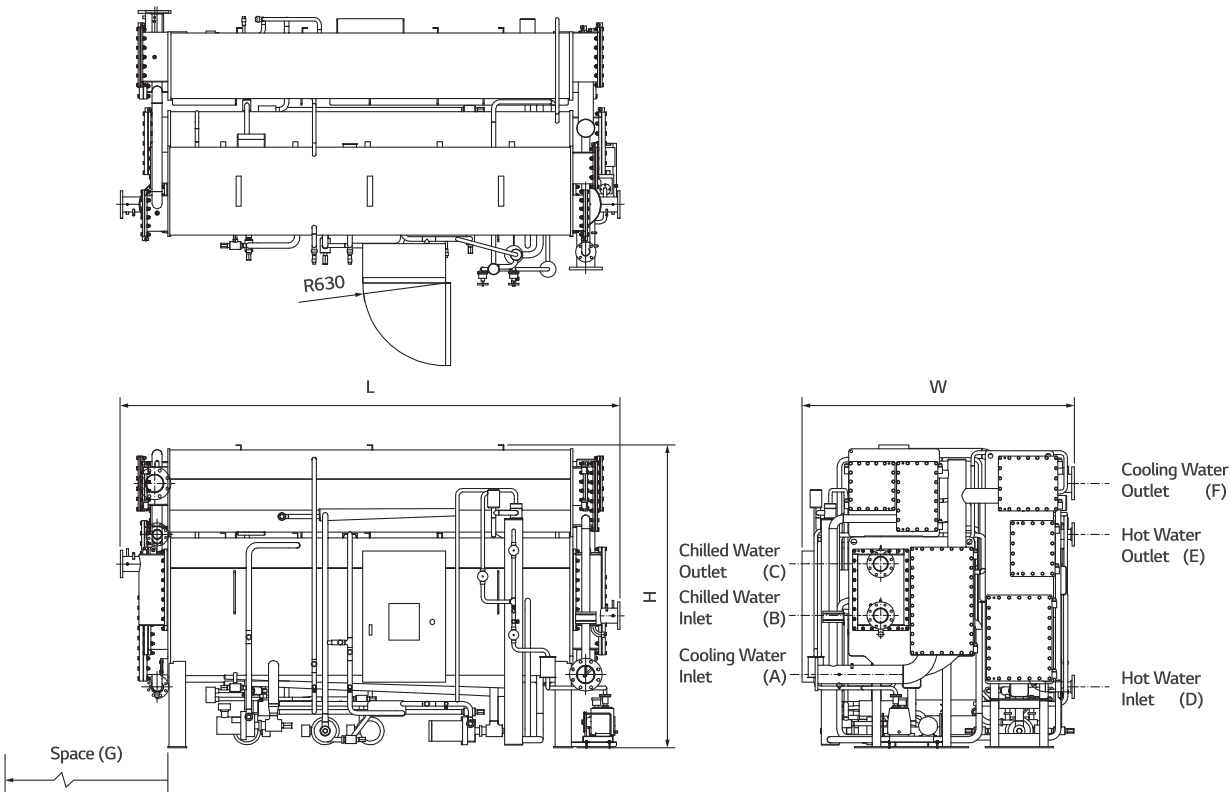
Note:

1. The above DATA corresponds to the standard model listed in the catalog. Equipment size can be changed.
2. Since this is the size of the equipment only, please consider the carrying tool (Such as the ski dai) margin.
3. The weight above is the maximum carrying weight of the equipment (Without absorbent).
4. The size of the special sectional shipment may vary depending on the cut area. If the entrance is narrow, please ask for a question by providing the entrance size.

Absorption Chiller & Heater

Dimension

Hot Water Driven Absorption Chiller Outline (2H Type)



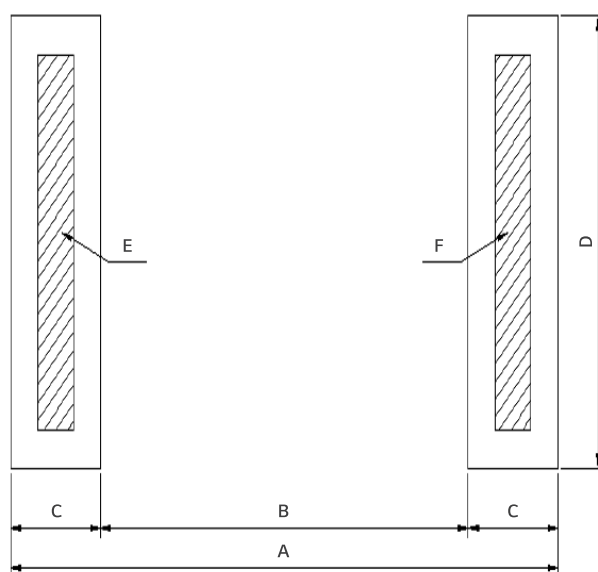
[Tolerance: ± 30mm, Unit: mm]

Model	Dimension			Nozzle Connection (B)						Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	E	F	G
WC2H008 / YC2H008	2,750	2,070	2,310	4	3	3	2	2	4	2,400
WC2H009 / YC2H009	2,750	2,070	2,310	4	3	3	2	2	4	2,400
WC2H011 / YC2H011	3,780	2,070	2,310	5	4	4	2.5	2.5	5	3,400
WC2H014 / YC2H014	3,780	2,070	2,310	5	4	4	2.5	2.5	5	3,400
WC2H016 / YC2H016	3,780	2,070	2,310	5	4	4	2.5	2.5	5	3,400
WC2H018 / YC2H018	3,820	2,200	2,675	6	5	5	3	3	6	3,400
WC2H021 / YC2H021	3,820	2,200	2,675	6	5	5	3	3	6	3,400
WC2H024 / YC2H024	4,840	2,200	2,675	8	5	5	3	3	8	4,500
WC2H027 / YC2H027	4,840	2,200	2,675	8	5	5	3	3	8	4,500
WC2H030 / YC2H030	4,840	2,555	2,785	8	6	6	4	4	8	4,500
WC2H034 / YC2H034	4,840	2,555	2,785	8	6	6	4	4	8	4,500
WC2H038 / YC2H038	4,940	2,750	3,150	10	8	8	4	4	10	4,500
WC2H042 / YC2H042	4,940	2,750	3,150	10	8	8	4	4	10	4,500
WC2H047 / YC2H047	4,960	3,050	3,350	10	8	8	4	4	10	4,500
WC2H053 / YC2H053	5,500	3,050	3,350	10	8	8	4	4	10	5,200
WC2H060 / YC2H060	6,000	3,050	3,350	10	8	8	4	4	10	5,700
WC2H068 / YC2H068	5,655	3,400	3,725	12	10	10	5	5	12	5,200
WC2H075 / YC2H075	6,155	3,400	3,725	12	10	10	5	5	12	5,700
WC2H083 / YC2H083	6,640	3,400	3,725	12	10	10	5	5	12	6,200
WC2H090 / YC2H090	6,270	4,070	3,890	14	12	12	5	5	14	5,700
WC2H098 / YC2H098	6,795	4,070	3,890	14	12	12	5	5	14	6,200
WC2H105 / YC2H105	7,295	4,070	3,890	14	12	12	5	5	14	6,700
WC2H113 / YC2H113	6,820	4,500	4,080	16	12	12	6	6	16	6,200
WC2H120 / YC2H120	7,320	4,500	4,080	16	12	12	6	6	16	6,700
WC2H130 / YC2H130	7,840	4,500	4,080	18	14	14	6	6	18	7,400
WC2H145 / YC2H145	8,320	4,500	4,080	18	14	14	6	6	18	8,000

Note:
1. Installation and service clearance as follows:
Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm
2. Please refer to the LG Electronics drawings for the piping direction.

ABSORPTION *CHILLER*

Hot Water Driven Absorption Chiller Foundation (2H Type)



[Tolerance: $\pm 30\text{mm}$, Unit: mm]

Model	Dimension				Weight (kg)		
	A	B	C	D	E	F	Total
WC2H008 / YC2H008	2,465	1,375	545	1,960	2.9	2.9	5.8
WC2H009 / YC2H009	2,465	1,375	545	1,960	3.1	3.1	6.2
WC2H011 / YC2H011	3,485	2,395	545	1,960	3.8	3.8	7.6
WC2H014 / YC2H014	3,485	2,395	545	1,960	4.0	4.0	8.0
WC2H016 / YC2H016	3,485	2,395	545	1,960	4.2	4.2	8.4
WC2H018 / YC2H018	3,485	2,345	570	2,080	5.2	5.2	10.4
WC2H021 / YC2H021	3,485	2,345	570	2,080	5.4	5.4	10.8
WC2H024 / YC2H024	4,505	3,365	570	2,080	6.2	6.2	12.4
WC2H027 / YC2H027	4,505	3,365	570	2,080	6.5	6.5	13.0
WC2H030 / YC2H030	4,505	3,265	620	2,350	7.9	7.9	15.8
WC2H034 / YC2H034	4,505	3,265	620	2,350	8.2	8.2	16.4
WC2H038 / YC2H038	4,505	3,265	620	2,540	10.2	10.2	20.4
WC2H042 / YC2H042	4,505	3,265	620	2,540	10.6	10.6	21.2
WC2H047 / YC2H047	4,505	3,165	670	2,790	12.6	12.6	25.2
WC2H053 / YC2H053	5,050	3,710	670	2,790	13.9	13.9	27.8
WC2H060 / YC2H060	5,545	4,205	670	2,790	15.0	15.0	30.0
WC2H068 / YC2H068	5,050	3,610	720	3,200	18.6	18.6	37.2
WC2H075 / YC2H075	5,545	4,105	720	3,200	19.9	19.9	39.8
WC2H083 / YC2H083	6,070	4,630	720	3,200	22.1	22.1	44.2
WC2H090 / YC2H090	5,145	3,705	720	3,720	24.0	24.0	48.0
WC2H098 / YC2H098	5,670	4,230	720	3,720	26.1	26.1	52.2
WC2H105 / YC2H105	6,170	4,730	720	3,720	28.0	28.0	56.0
WC2H113 / YC2H113	5,670	4,230	720	4,230	30.5	30.5	61.0
WC2H120 / YC2H120	6,170	4,730	720	4,230	32.4	32.4	64.8
WC2H130 / YC2H130	6,690	5,250	720	4,230	36.9	36.9	73.8
WC2H145 / YC2H145	7,170	5,730	720	4,230	39.7	39.7	79.4

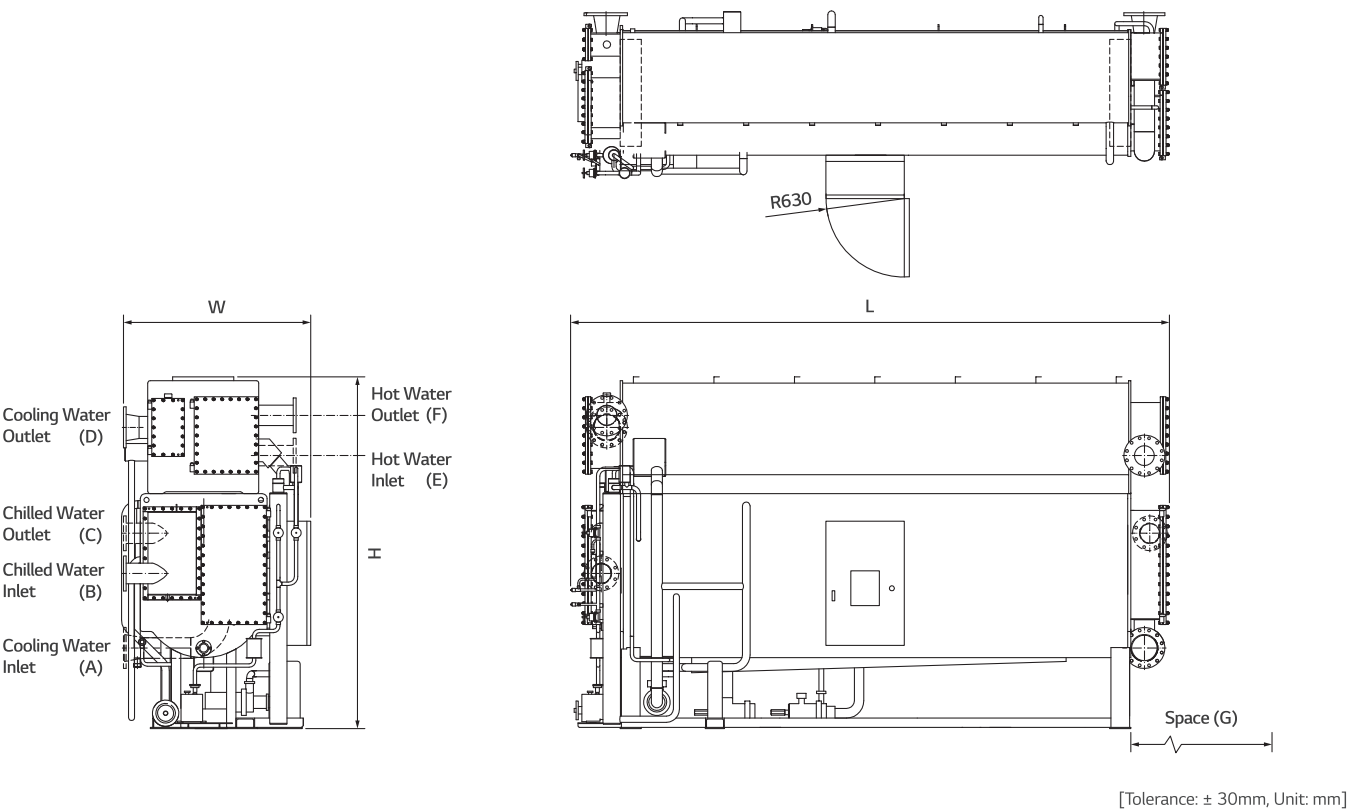
Note:

1. The foundation and the floor must be sufficiently strong to support the unit weight.
2. Provide a flow drain near chiller foundation.
3. Only if foundation anchoring is required, anchor bolts, nuts and washers, shall be supplied together with chiller. Anchor bolts must be fixed on the foundation prior to chiller installation.
4. Unit must be leveled before startup.
(Horizontal level must be below than 2mm/1,000mm).

Absorption Chiller & Heater

Dimension

Hot Water Driven Absorption Chiller Outline (MH Type)



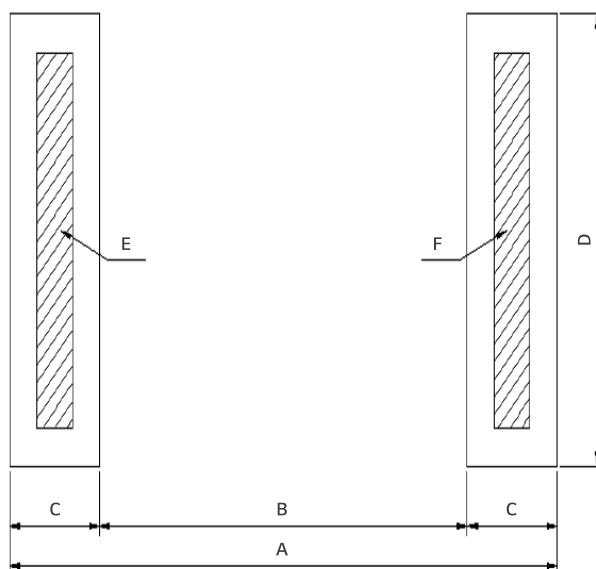
Model	Dimension			Nozzle Connection (B)						Space
	Length (L)	Width (W)	Height (H)	A	B	C	D	E	F	G
WCMH008 / YCMH008	2,680	1,600	2,370	5	4	4	5	2	2	2,400
WCMH009 / YCMH009	2,680	1,600	2,370	5	4	4	5	2	2	2,400
WCMH011 / YCMH011	3,740	1,500	2,370	5	4	4	5	2.5	2.5	3,400
WCMH014 / YCMH014	3,740	1,500	2,370	5	4	4	5	2.5	2.5	3,400
WCMH016 / YCMH016	3,700	1,670	2,720	6	5	5	6	3	3	3,400
WCMH018 / YCMH018	3,700	1,670	2,720	6	5	5	6	3	3	3,400
WCMH021 / YCMH021	4,860	1,700	2,715	8	6	6	8	3	3	4,500
WCMH024 / YCMH024	4,860	1,700	2,715	8	6	6	8	4	4	4,500
WCMH027 / YCMH027	4,860	1,830	2,970	8	6	6	8	4	4	4,500
WCMH030 / YCMH030	4,860	1,830	2,970	8	6	6	8	4	4	4,500
WCMH034 / YCMH034	4,960	1,940	3,330	10	8	8	10	4	4	4,500
WCMH038 / YCMH038	4,960	1,940	3,330	10	8	8	10	5	5	4,500
WCMH042 / YCMH042	4,960	2,045	3,540	12	8	8	12	5	5	4,500
WCMH047 / YCMH047	5,480	2,045	3,540	12	8	8	12	5	5	5,200
WCMH053 / YCMH053	6,010	2,045	3,540	12	8	8	12	5	5	5,700
WCMH060 / YCMH060	5,700	2,340	3,900	14	10	10	14	6	6	5,200
WCMH068 / YCMH068	6,205	2,340	3,900	12	10	10	12	6	6	5,700
WCMH075 / YCMH075	6,730	2,340	3,900	12	10	10	12	6	6	6,200
WCMH083 / YCMH083	6,260	4,040	2,820	16	12	12	16	6	6	5,700
WCMH090 / YCMH090	6,785	4,040	2,820	16	12	12	16	8	8	6,200
WCMH098 / YCMH098	7,285	4,040	2,820	16	12	12	16	8	8	6,700
WCMH105 / YCMH105	6,830	4,370	2,950	16	14	14	16	8	8	6,200
WCMH113 / YCMH113	7,440	4,370	2,950	16	14	14	16	8	8	6,700
WCMH120 / YCMH120	7,850	4,370	2,950	18	14	14	18	8	8	7,400
WCMH135 / YCMH135	8,400	4,370	2,950	18	14	14	18	8	8	8,000

Note:

- Installation and service clearance as follows:
Length direction - 1,000 mm Top - 200 mm
Control panel side - 1,200 mm Etc.: 500 mm
- Please refer to the LG Electronics drawings for the piping direction.

ABSORPTION *CHILLER*

Hot Water Driven Absorption Chiller Foundation (MH Type)



[Tolerance: $\pm 30\text{mm}$, Unit: mm]

Model	Dimension				Weight (kg)		
	A	B	C	D	E	F	Total
WCMH008 / YCMH008	2,465	1,375	545	1,270	2.1	2.1	4.2
WCMH009 / YCMH009	2,465	1,375	545	1,270	2.5	2.5	5.0
WCMH011 / YCMH011	3,485	2,395	545	1,270	2.7	2.7	5.4
WCMH014 / YCMH014	3,485	2,395	545	1,270	2.9	2.9	5.8
WCMH016 / YCMH016	3,485	2,345	570	1,520	3.6	3.6	7.2
WCMH018 / YCMH018	3,485	2,345	570	1,520	3.7	3.7	7.4
WCMH021 / YCMH021	4,505	3,365	570	1,520	4.2	4.2	8.4
WCMH024 / YCMH024	4,505	3,365	570	1,520	4.4	4.4	8.8
WCMH027 / YCMH027	4,505	3,265	620	1,580	5.7	5.7	11.4
WCMH030 / YCMH030	4,505	3,265	620	1,580	5.9	5.9	11.8
WCMH034 / YCMH034	4,505	3,265	620	1,680	7.2	7.2	14.4
WCMH038 / YCMH038	4,505	3,265	620	1,680	7.6	7.6	15.2
WCMH042 / YCMH042	4,505	3,165	670	1,960	8.6	8.6	17.2
WCMH047 / YCMH047	5,050	3,710	670	1,960	9.4	9.4	18.8
WCMH053 / YCMH053	5,545	4,205	670	1,960	10.1	10.1	20.2
WCMH060 / YCMH060	5,050	3,610	720	2,000	13.9	13.9	27.8
WCMH068 / YCMH068	5,545	4,105	720	2,000	14.8	14.8	29.6
WCMH075 / YCMH075	6,070	4,630	720	2,000	16.2	16.2	32.4
WCMH083 / YCMH083	5,145	3,705	720	3,720	17.4	17.4	34.8
WCMH090 / YCMH090	5,670	4,230	720	3,720	18.8	18.8	37.6
WCMH098 / YCMH098	6,170	4,730	720	3,720	20.3	20.3	40.6
WCMH105 / YCMH105	5,670	4,230	720	4,230	22.1	22.1	44.2
WCMH113 / YCMH113	6,170	4,730	720	4,230	23.3	23.3	46.6
WCMH120 / YCMH120	6,690	5,250	720	4,230	26.4	26.4	52.8
WCMH135 / YCMH135	7,170	5,730	720	4,230	28.5	28.5	57.0

Note:

1. The foundation and the floor must be sufficiently strong to support the unit weight.
2. Provide a flow drain near chiller foundation.
3. Only if foundation anchoring is required, anchor bolts, nuts and washers, shall be supplied together with chiller. Anchor bolts must be fixed on the foundation prior to chiller installation.
4. Unit must be leveled before startup.
(Horizontal level must be below than 2mm/1,000mm).

Absorption Chiller & Heater

Dimension

Hot Water Driven Absorption Chiller Multi-Sectional Shipment (2H Type)

Model	Entrance Dimension Of Total Unit				Entrance Dimension Of 2-Sectional Shipment								
					Low Temperature Generator (Upper+Lower)					High Temperature Generator			
	Length	Width	Height	Weight	Length	Width		Height	Weight	Length	Width	Height	Weight
						+Purge, Panel	Non Panel/ Purge						
	mm	mm	mm	ton	mm	mm	mm	mm	ton	mm	mm	mm	ton
WC2H008 / YC2H008	2,750	2,070	2,310	4.4	2,750	1,500	1,300	2,310	2.7	2,790	760	2,280	1.8
WC2H009 / YC2H009	2,750	2,070	2,310	4.5	2,750	1,500	1,300	2,310	2.7	2,790	760	2,280	1.8
WC2H011 / YC2H011	3,780	2,070	2,310	5.4	3,780	1,410	1,300	2,310	3.2	3,810	760	2,280	2.2
WC2H014 / YC2H014	3,780	2,070	2,310	5.6	3,780	1,410	1,300	2,310	3.3	3,810	760	2,280	2.3
WC2H016 / YC2H016	3,780	2,070	2,310	5.8	3,780	1,410	1,300	2,310	3.5	3,810	760	2,280	2.3
WC2H018 / YC2H018	3,820	2,200	2,675	7.2	3,820	1,460	1,300	2,675	4.4	3,850	840	2,490	2.8
WC2H021 / YC2H021	3,820	2,200	2,675	7.4	3,820	1,460	1,300	2,675	4.5	3,850	840	2,490	2.9
WC2H024 / YC2H024	4,840	2,200	2,675	8.6	4,840	1,460	1,300	2,675	5.2	4,840	840	2,490	3.4
WC2H027 / YC2H027	4,840	2,200	2,675	8.9	4,840	1,460	1,300	2,675	5.4	4,840	840	2,490	3.5
WC2H030 / YC2H030	4,840	2,555	2,785	10.9	4,840	1,630	1,460	2,770	6.5	4,840	980	2,670	4.5
WC2H034 / YC2H034	4,840	2,555	2,785	11.2	4,840	1,630	1,460	2,770	6.7	4,840	980	2,670	4.6
WC2H038 / YC2H038	4,940	2,750	3,150	14.2	4,940	1,680	1,600	3,120	8.0	4,930	1,130	3,000	6.2
WC2H042 / YC2H042	4,940	2,750	3,150	14.6	4,940	1,680	1,600	3,120	8.3	4,930	1,130	3,000	6.3
WC2H047 / YC2H047	4,960	3,050	3,350	17.4	4,960	1,880	1,850	3,370	10.5	4,955	1,160	3,140	6.9
WC2H053 / YC2H053	5,500	3,050	3,350	19.0	5,500	1,880	1,850	3,370	11.6	5,500	1,160	3,140	7.5
WC2H060 / YC2H060	6,000	3,050	3,350	20.4	6,000	1,880	1,850	3,370	12.2	6,000	1,160	3,140	8.2
WC2H068 / YC2H068	5,655	3,400	3,725	25.2	5,655	2,180	2,100	3,725	15.4	5,680	1,420	3,600	9.8
WC2H075 / YC2H075	6,155	3,400	3,725	26.9	6,155	2,180	2,100	3,725	16.3	6,180	1,420	3,600	10.5
WC2H083 / YC2H083	6,640	3,400	3,725	29.3	6,640	2,180	2,100	3,725	18.1	6,700	1,420	3,600	11.2
WC2H090 / YC2H090	6,270	4,070	3,890	31.7	6,270	2,650	2,570	3,800	18.0	6,270	1,640	3,860	13.7
WC2H098 / YC2H098	6,795	4,070	3,890	34.6	6,795	2,650	2,570	3,800	19.7	6,795	1,640	3,860	14.9
WC2H105 / YC2H105	7,295	4,070	3,890	37.9	7,295	2,650	2,570	3,800	21.7	7,295	1,640	3,860	16.2
WC2H113 / YC2H113	6,820	4,500	4,080	41.1	6,820	2,910	2,910	3,990	24.4	6,820	1,790	4,080	16.7
WC2H120 / YC2H120	7,320	4,500	4,080	43.2	7,320	2,910	2,910	3,990	25.6	7,320	1,790	4,080	17.6
WC2H130 / YC2H130	7,840	4,500	4,080	49.6	7,840	2,910	2,910	3,990	29.6	7,840	1,790	4,080	20.0
WC2H145 / YC2H145	8,320	4,500	4,080	52.8	8,320	2,910	2,910	3,990	31.6	8,320	1,790	4,080	21.2

Model	Entrance Dimension Of 3-Sectional Shipment													
	Upper Shell				Lower Shell						High Temperature Generator			
	Length	Width	Height	Weight	Length	Width		Height		Weight	Length	Width	Height	Weight
						+Panel/ Purge	Non Panel/ Purge	+Purge	Non Purge					
mm	mm	mm	ton	mm	mm	mm	mm	mm	ton	mm	mm	mm	ton	
WC2H008 / YC2H008	2,750	1,130	700	0.7	2,750	1,500	1,300	1,980	1,670	2.0	2,790	760	2,280	1.8
WC2H009 / YC2H009	2,750	1,130	700	0.7	2,750	1,500	1,300	1,980	1,670	2.0	2,790	760	2,280	1.8
WC2H011 / YC2H011	3,780	1,130	700	0.9	3,780	1,410	1,300	1,980	1,670	2.3	3,810	760	2,280	2.2
WC2H014 / YC2H014	3,780	1,130	700	0.9	3,780	1,410	1,300	1,980	1,670	2.4	3,810	760	2,280	2.3
WC2H016 / YC2H016	3,780	1,130	700	1.0	3,780	1,410	1,300	1,980	1,670	2.5	3,810	760	2,280	2.3
WC2H018 / YC2H018	3,820	1,240	790	1.3	3,820	1,460	1,300	2,160	1,980	3.1	3,850	840	2,490	2.8
WC2H021 / YC2H021	3,820	1,240	790	1.3	3,820	1,460	1,300	2,160	1,980	3.2	3,850	840	2,490	2.9
WC2H024 / YC2H024	4,840	1,240	790	1.5	4,840	1,460	1,300	2,160	1,980	3.7	4,840	840	2,490	3.4
WC2H027 / YC2H027	4,840	1,240	790	1.6	4,840	1,460	1,300	2,160	1,980	3.8	4,840	840	2,490	3.5
WC2H030 / YC2H030	4,840	1,400	790	1.7	4,840	1,630	1,460	2,550	2,080	4.7	4,840	980	2,670	4.5
WC2H034 / YC2H034	4,840	1,400	790	1.8	4,840	1,630	1,460	2,550	2,080	4.9	4,840	980	2,670	4.6
WC2H038 / YC2H038	4,940	1,500	820	2.1	4,940	1,680	1,600	2,430	2,380	5.9	4,930	1,130	3,000	6.2
WC2H042 / YC2H042	4,940	1,500	820	2.2	4,940	1,680	1,600	2,430	2,380	6.1	4,930	1,130	3,000	6.3
WC2H047 / YC2H047	4,960	1,700	890	2.8	4,960	1,880	1,850	2,840	2,550	7.7	4,955	1,160	3,140	6.9
WC2H053 / YC2H053	5,500	1,700	890	3.1	5,500	1,880	1,850	2,840	2,550	8.4	5,500	1,160	3,140	7.5
WC2H060 / YC2H060	6,000	1,700	890	3.4	6,000	1,880	1,850	2,840	2,550	8.9	6,000	1,160	3,140	8.2
WC2H068 / YC2H068	5,655	1,940	1,030	4.0	5,655	2,180	2,100	3,000	2,780	11.3	5,680	1,420	3,600	9.8
WC2H075 / YC2H075	6,155	1,940	1,030	4.3	6,155	2,180	2,100	3,000	2,780	12.0	6,180	1,420	3,600	10.5
WC2H083 / YC2H083	6,640	1,940	1,030	4.7	6,640	2,180	2,100	3,000	2,780	13.4	6,700	1,420	3,600	11.2
WC2H090 / YC2H090	6,270	2,290	1,100	4.9	6,270	2,650	2,570	2,990	2,990	13.1	6,270	1,640	3,860	13.7
WC2H098 / YC2H098	6,795	2,290	1,100	5.3	6,795	2,650	2,570	2,990	2,990	14.4	6,795	1,640	3,860	14.9
WC2H105 / YC2H105	7,295	2,290	1,100	5.7	7,295	2,650	2,570	2,990	2,990	15.9	7,295	1,640	3,860	16.2
WC2H113 / YC2H113	6,820	2,700	1,150	6.7	6,820	2,910	2,910	3,140	3,140	17.7	6,820	1,790	4,080	16.7
WC2H120 / YC2H120	7,320	2,700	1,150	7.0	7,320	2,910	2,910	3,140	3,140	18.6	7,320	1,790	4,080	17.6
WC2H130 / YC2H130	7,840	2,700	1,150	7.6	7,840	2,910	2,910	3,140	3,140	22.0	7,840	1,790	4,080	20.0
WC2H145 / YC2H145	8,320	2,700	1,150	8.1	8,320	2,910	2,910	3,140	3,140	23.5	8,320	1,790	4,080	21.2

Note:

1. The above DATA corresponds to the standard model listed in the catalog. Equipment size can be changed.
2. Since this is the size of the equipment only, please consider the carrying tool (Such as the ski dai) margin.
3. The weight above is the maximum carrying weight of the equipment (Without absorbent).
4. The size of the special sectional shipment may vary depending on the cut area. If the entrance is narrow, please ask for a question by providing the entrance size.

ABSORPTION *CHILLER*

Hot Water Driven Absorption Chiller Multi-Sectional Shipment (MH Type)

Model	Entrance Dimension Of Total Unit			
	Length	Width	Height	Weight
	mm	mm	mm	ton
WCMH008 / YCMH008	2,680	1,600	2,370	3.2
WCMH009 / YCMH009	2,680	1,600	2,370	3.8
WCMH011 / YCMH011	3,740	1,500	2,370	3.9
WCMH014 / YCMH014	3,740	1,500	2,370	4.0
WCMH016 / YCMH016	3,700	1,670	2,720	5.0
WCMH018 / YCMH018	3,700	1,670	2,720	5.1
WCMH021 / YCMH021	4,860	1,700	2,715	5.8
WCMH024 / YCMH024	4,860	1,700	2,715	6.0
WCMH027 / YCMH027	4,860	1,830	2,970	8.2
WCMH030 / YCMH030	4,860	1,830	2,970	8.4
WCMH034 / YCMH034	4,960	1,940	3,330	10.3
WCMH038 / YCMH038	4,960	1,940	3,330	10.5
WCMH042 / YCMH042	4,960	2,045	3,540	12.0
WCMH047 / YCMH047	5,480	2,045	3,540	13.0
WCMH053 / YCMH053	6,010	2,045	3,540	13.8
WCMH060 / YCMH060	5,700	2,340	3,900	19.2
WCMH068 / YCMH068	6,205	2,340	3,900	20.4
WCMH075 / YCMH075	6,730	2,340	3,900	22.4
WCMH083 / YCMH083	6,260	4,040	2,820	23.2
WCMH090 / YCMH090	6,785	4,040	2,820	25.0
WCMH098 / YCMH098	7,285	4,040	2,820	27.2
WCMH105 / YCMH105	6,830	4,370	2,950	30.1
WCMH113 / YCMH113	7,440	4,370	2,950	31.4
WCMH120 / YCMH120	7,850	4,370	2,950	35.8
WCMH135 / YCMH135	8,400	4,370	2,950	38.0

Model	Entrance Dimension Of 3-Sectional Shipment									
	Upper Shell				Lower Shell					
	Length	Width	Height	Weight	Length	Width		Height		Weight
						+Panel/ Purge	Non Panel/ Purge	+Purge	Non Purge	
	mm	mm	mm	ton	mm	mm	mm	mm	mm	ton
WCMH008 / YCMH008	2,680	1,280	750	1.3	2,680	1,600	1,300	1,980	1,670	1.9
WCMH009 / YCMH009	2,680	1,280	750	1.5	2,680	1,600	1,300	1,980	1,670	2.2
WCMH011 / YCMH011	3,740	1,280	750	1.5	3,740	1,500	1,300	1,980	1,670	2.3
WCMH014 / YCMH014	3,740	1,280	750	1.6	3,740	1,500	1,300	1,980	1,670	2.4
WCMH016 / YCMH016	3,700	1,200	880	1.9	3,700	1,560	1,300	2,160	1,980	3.1
WCMH018 / YCMH018	3,700	1,200	880	1.9	3,700	1,560	1,300	2,160	1,980	3.2
WCMH021 / YCMH021	4,860	1,200	880	2.2	4,860	1,560	1,300	2,160	1,980	3.6
WCMH024 / YCMH024	4,860	1,200	880	2.3	4,860	1,560	1,300	2,160	1,980	3.7
WCMH027 / YCMH027	4,860	1,430	880	3.5	4,860	2,000	1,460	2,550	2,080	4.7
WCMH030 / YCMH030	4,860	1,430	880	3.6	4,860	2,000	1,460	2,550	2,080	4.8
WCMH034 / YCMH034	4,960	1,540	935	4.4	4,960	2,045	1,600	2,550	2,380	5.9
WCMH038 / YCMH038	4,960	1,540	935	4.5	4,960	2,045	1,600	2,550	2,380	6.0
WCMH042 / YCMH042	4,960	1,870	1,100	4.4	4,960	2,045	1,850	2,840	2,550	7.6
WCMH047 / YCMH047	5,480	1,870	1,100	4.7	5,480	2,045	1,850	2,840	2,550	8.3
WCMH053 / YCMH053	6,010	1,870	1,100	5.0	6,010	2,045	1,850	2,840	2,550	8.8
WCMH060 / YCMH060	5,700	2,170	1,210	8.0	5,700	2,340	2,100	3,000	2,780	11.3
WCMH068 / YCMH068	6,205	2,170	1,210	8.4	6,205	2,340	2,100	3,000	2,780	11.9
WCMH075 / YCMH075	6,730	2,170	1,210	9.1	6,730	2,340	2,100	3,000	2,780	13.3
WCMH083 / YCMH083	6,260	2,310	1,430	10.2	6,260	2,650	2,570	2,990	2,990	13.0
WCMH090 / YCMH090	6,785	2,310	1,430	10.7	6,785	2,650	2,570	2,990	2,990	14.3
WCMH098 / YCMH098	7,285	2,310	1,430	11.3	7,285	2,650	2,570	2,990	2,990	15.8
WCMH105 / YCMH105	6,830	2,530	1,760	12.6	6,830	2,910	2,910	3,140	3,140	17.6
WCMH113 / YCMH113	7,440	2,530	1,760	13.0	7,440	2,910	2,910	3,140	3,140	18.4
WCMH120 / YCMH120	7,850	2,530	1,760	13.8	7,850	2,910	2,910	3,140	3,140	22.0
WCMH135 / YCMH135	8,400	2,530	1,760	14.5	8,400	2,910	2,910	3,140	3,140	23.5

Note:

1. The above DATA corresponds to the standard model listed in the catalog. Equipment size can be changed.
2. Since this is the size of the equipment only, please consider the carrying tool (Such as the ski dai) margin.
3. The weight above is the maximum carrying weight of the equipment (Without absorbent).
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Absorption Chiller & Heater

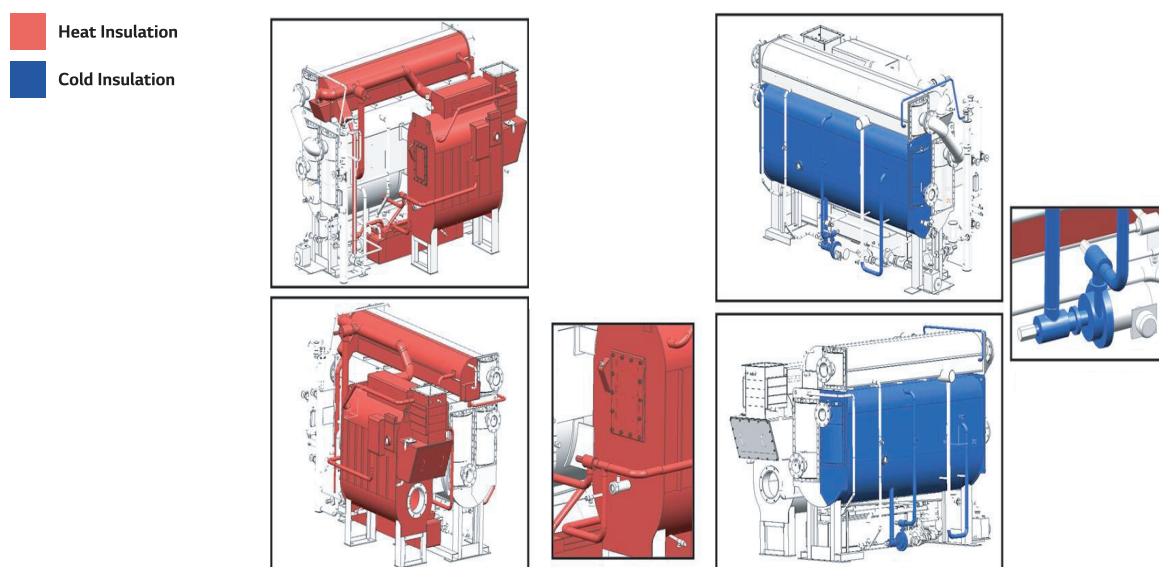
Information

Heat/Cold Insulation Work

LG Electronics does not perform heat/cold insulation work to the product when delivering the product.
Perform heat/cold insulation work before trial operation after the leakage test on the site.
Perform heat/cold insulation work based on the standard heat/cold insulation work guideline.

Precautions on Heat/Cold Insulation Work

- 1) Make sure that there is no gap between the heat/cold insulator and body, heat/cold insulator and exterior material.
- 2) Do not allow any open gaps in the connection areas of the heat/cold insulator.
- 3) In case of using two layers of heat/cold insulator, the joints should not be in the same position.
- 4) Do not let water or moisture get into the heat/cold insulation.
- 5) Consider expansion or contraction.
- 6) As shown in the picture for detailed work, the structure of the parts requiring inspection should allow the parts to be separated without damaging the heat insulator.



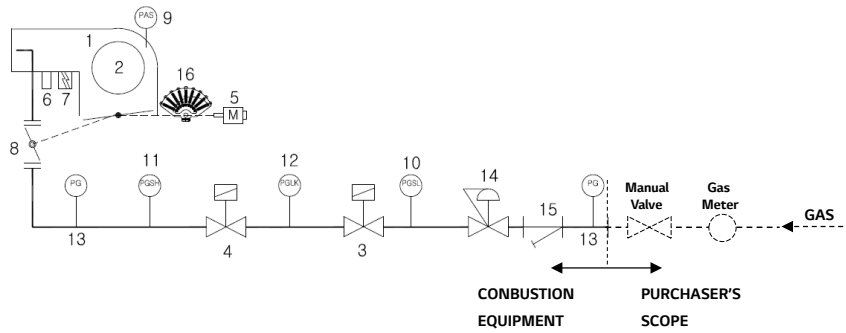
Classification		Specifications	Note
Direct Fired	Heat Insulation	Glass Fiber (Glass Wool): Thickness 25mm, 75mm, density 24 Kg/m ³ or more	For exterior finishing, galvanized steel sheet with a body size of 0.45mm or more and a pipe of 0.3mm or more should be used. (When using aluminum plate, the thickness is more than 0.6mm)
	Cold Insulation	Rubber foam (NBR): Thickness 19mm, density 40 kg/m ³ or more, black	-
Steam Fired	Heat Insulation	Glass Fiber (Glass Wool): Thickness 25mm, 75mm, density 24 Kg/m ³ or more	For exterior finishing, galvanized steel sheet with a body size of 0.45 mm or more and a pipe of 0.3mm or more should be used. (When using aluminum plate, the thickness is more than 0.6mm)
	Cold Insulation	Rubber foam (NBR): Thickness 19mm, density 40 kg/m ³ or more, black	-
Hot Water Driven	Heat Insulation	Rubber foam (NBR): Thickness 19mm, density 40 kg/m ³ or more, black	All thermal insulation can be used in glass fiber (Glass Wool): Thickness 25mm, density 24 Kg/m ³ or more.
	Cold Insulation	Rubber foam (NBR): Thickness 19mm, density 40 kg/m ³ or more, black	-

ABSORPTION *CHILLER*

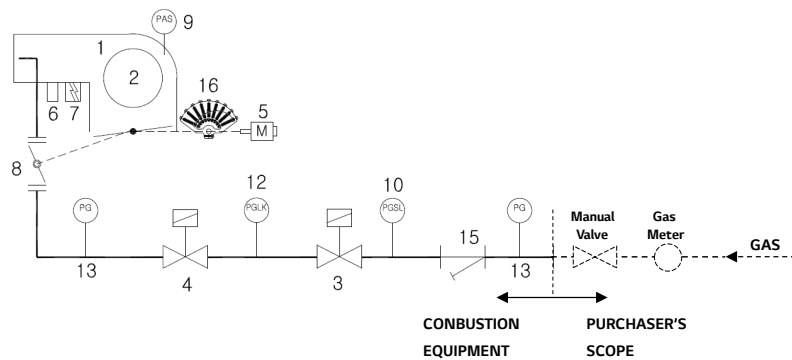
Fuel Piping

Combustion Sequence Diagram

Gas (Gas Pressure: 900~4,000mmAq)

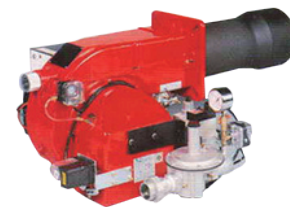


Gas (Gas Pressure: 200mmAq)



Part List

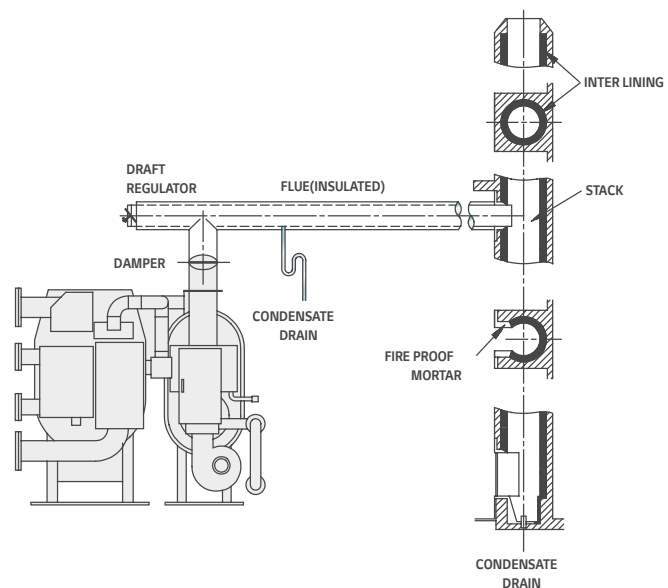
1. Burner
2. Sirocco Fan
3. Safety Shut-off Valve
4. Safety Shut-off Valve
5. Damper Motor
6. Flame Detector
7. Ignition Trans
8. Butterfly Valve
9. Air pressure Switch
10. Gas Pressure Low Switch (PGSL)
11. Gas Pressure High Switch (PGSH)
12. Gas Leak Switch (PGLK)
13. Gas Pressure Gauge
14. Governor
15. Gas Filter (Included in Governor)
16. Sector Regulator



Burner

Flue and Stack Connection

1. Local regulations regarding exhaust of direct-fired burners must be adhered to. These instructions shown are typical and are not meant to supersede local codes in any way.
2. The steel stack should be lined on the interior surface to protect the stack from corrosion due to moisture in the exhaust gas.
3. The flue and stack must be heat insulated and provided with a condensate drain.
4. Do not connect the flue to an incinerator stack.
5. Place the top of the stack within a sufficient distance from the cooling towers to prevent contamination.
6. Provide a barometric draft regulator or damper if fluctuations or downdraft in static pressure are expected inside the flue. Some means of controlling the flue draft may be necessary to insure that proper combustion efficiency is maintained at all times.
7. If a common stack is to be used, exhaust must be prevented from flowing into the unit(s) that are not in operation.
8. The draft pressure at the flue flange should be designed for a maximum negative pressure of -5mmH₂O.



Absorption Chiller & Heater

Information

Absorption Chiller Option Summary

Items		Standard	Option
Control Panel	*Main Power	☐ 380V	☐ 220V ☐ 400V ☐ 415V ☐ 440V ☐ 460V
	*Hertz	☐ 60Hz	☐ 50Hz
	Communication	☐ Modbus	☐ BACnet ☐ TCP/IP ☐ etc ()
	Protection Grade	☐ IP41	☐ IP54
Chilled Water	*Max Operating Pressure	☐ 150 psig (10kg/cm ²)	☐ 300 psig (20kg/cm ²) ☐ etc ()
	*Nozzle Arrangement	☐ Drawing	
	Nozzle	☐ ANSI-Flange	☐ ANSI-Victaulic (AGS) ☐ ANSI-Victaulic (OGS) ☐ etc ()
	Temp. Sensor	☐ Inlet+Outlet	☐ etc()
Cooling Water	*Max Operating Pressure	☐ 150 psig (10kg/cm ²)	☐ 300psig(20kg/cm ²) ☐ etc()
	*Nozzle Arrangement	☐ Drawing	
	Nozzle	☐ ANSI-Flange	☐ ANSI-Victaulic (AGS) ☐ ANSI-Victaulic (OGS) ☐ etc ()
	Nozzle	☐ ANSI-Flange	☐ ANSI-Victaulic (AGS) ☐ ANSI-Victaulic (OGS) ☐ etc ()
Steam / Hot Water	Control V/V Installation Location	☐ Inlet	☐ Outlet
	*Nozzle Arrangement	☐ Drawing	
	Burner	☐ Combination	☐ Separate
	Steam Control V/V	☐ Yes	☐ No
Shipping	Hot Water Control V/V	☐ 2way V/V	☐ 3way V/V ☐ N/A
	*Solution Charging	☐ Separate	☐ Exemption ☐ etc ()
*Package Option	☐ Auto Package	Automation Purge System, Flexible Wiring	
	☐ Smart Package	Solenoid Valve (Purge), Differential Pressure Switch (Cooling water)	
*Others (Option)	☐ N/A	☐ PF Condenser ☐ Solution Filter ☐ Spare Part	
Insulation	☐ N/A	☐ Yes	
Vibration Isolator	☐ Neoprene PAD	☐ N/A	
Packing	☐ Shrink Film	☐ Wooden Packing	
Factory Performance Test	☐ N/A	☐ Dry Test Report Only	
		☐ Performance Test with 100% Load & Report	
		☐ Customer Witness Test with 100% Load Only	
		☐ Customer Witness Test with 100% Load & ()% Load (s)	
Warranty-Ass'y	☐ 1yr	☐ etc ()	
Labor Warranty	☐ N/A	☐ etc ()	
Standard Specification		1) Color: Dawn Gray, Control Panel: Warm Gray 2) Controller: MICOM 3) Flow Proof Type: DP Switch (Chilled Water) 4) Cooling Water Temp. Sensor: Inlet + Outlet 5) Isolation Valve (Pump Inlet/Outlet) 6) Wiring: Open Wiring	

Note:

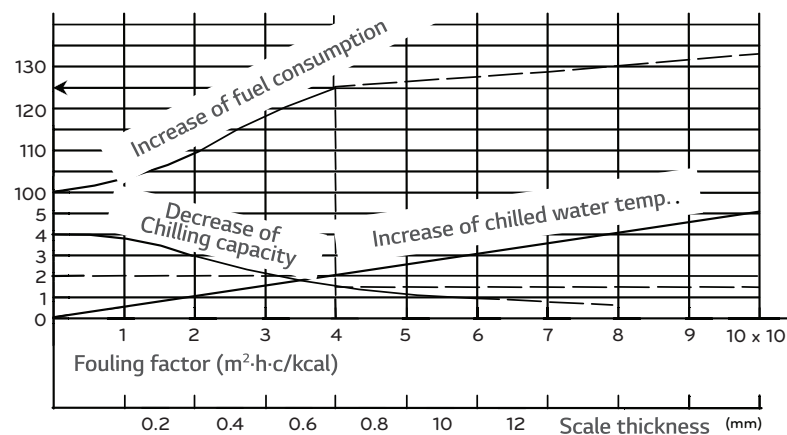
1. PF Condensor (Power Factor Condensor or Phase Advanced): Device that reduces reactive power.
2. Solution Filter: The purpose is to remove corrosion contaminants by using filters and obtain effects such as energy saving, extension of chiller life, and ease of management.
3. Isolation Valve: To offer service easily, it is installed isolation valve in absorbent pump and refrigerant pump inlet/outlet.
4. Standard Spare Parts for abroad: Gravimeter 1set, Hydro Cylinder / Bushing / Hose Rubber / Spanner (8inch) - each 1ea, Fuse 2ea, Vacuum Pump Oil 2L.

ABSORPTION *CHILLER*

Water Quality

If bad quality water is used in the chiller-heater, it will produce scale in the tube lowering the performance and efficiency of the chiller-heater and further cause corrosion and rupture, finally shortening the life of machine. Water quality control and regular inspection on the heat transfer tube and tube cleaning are needed.

On the other hand, if make-up water of cooling water is mixed with purified water or the cooling tower is installed in an air polluted place around chimney, water quality will be getting worse. Especially when concrete heat reservoir is used, bad scale will be caused by compounds of calcium. Be very cautious of this.



Standard of Water Quality

Standard Table	Category	Cooling Water		Chilled/Hot Water		Trend	
		Circulating Cooling Water	Make-up Water	Circulating Chilled/Hot W.	Make-up Water	Corrosion	Scale Production
	PH (25°C)	6.5 ~ 8.0	6.5 ~ 8.0	6.5 ~ 8.0	6.5 ~ 8.0	0	0
	Conductivity (25°CμS/cm)	below 800	below 200	below 500	below 200	0	
	M Alkaline (PPM)	below 100	below 50	below 100	below 50		0
	Total Hardness (PPM)	below 200	below 50	below 100	below 50		0
	Chlorine ion Cl ⁻ (PPM)	below 200	below 50	below 100	below 50	0	
	Sulfate ion SO ₄ ²⁻ (PPM)	below 200	below 50	below 100	below 50	0	
	Fe (PPM)	below 1.0	below 0.3	below 1.0	below 0.3	0	0
	Sulfide ion S ²⁻ (PPM)	No detection	No detection	No detection	No detection	0	
	Ammonium ion NH ₄ ⁺ (PPM)	below 1.0	below 0.2	below 0.5	below 0.2	0	
	Silica SiO ₂ (PPM)	below 50	below 30	below 50	below 30		0
	Free carbonic acid (PPM)	below 3	below 3	below 10	below 10	0	

Note:

- As any of items in the table has a large influence on inclination of scale or corrosion, if any item is over the standard value it will increase the possibility of scale or corrosion, a regular inspection is required. (Once a month)
- There is no guarantee about the rupture caused by corrosion of the pipe due to insufficient water quality management of the water system and the deformation and contamination of the chiller caused by the inflow of water inside the equipment.
- Available water quality varies depending on the chemicals used for water handling, thus consult with a company specialized in water handling to perform water quality control at regular intervals with a proper standard.



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