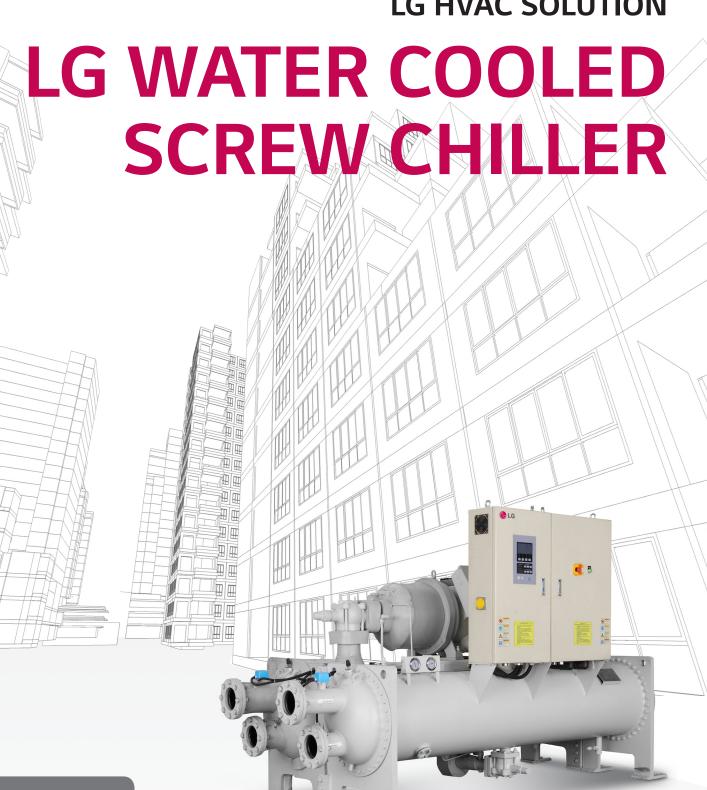


LG HVAC SOLUTION



COP 5.3

Cooling Capacity 74~373RT

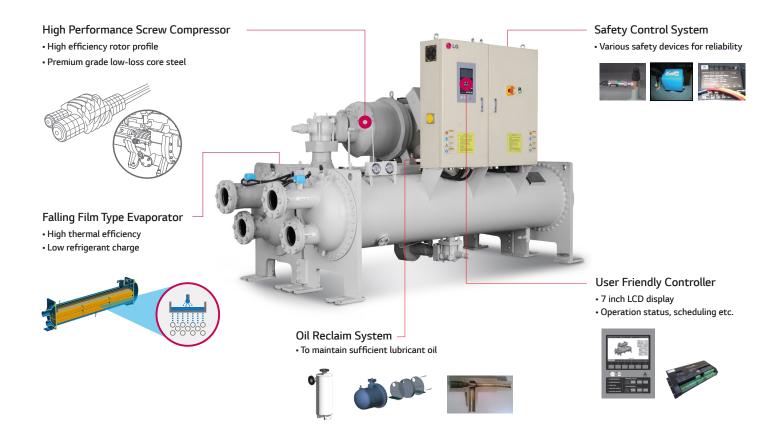






Why LG Water Cooled Screw Chiller?

LG Electronics developed water-cooled screw chiller through advanced technologies and manufacturing / installation / operation experience over several decades. LG water-cooled screw chiller is high efficient and reliable by adapting falling film type evaporator and oil reclaim system.



Standard Efficiency Model COP 5.3

| AHRI condition, 180 RT |



High energy efficiency

- Screw compressor with 5:6 patented rotors & semi-hermetic motor
- · Falling film type evaporator

Reliability & Stability

- Stable oil reclaim system using external oil separator
- Safety control system using various sensors & switches
- Precise capacity control (Step / Stepless)
- R-134a refrigerant, ODP=0
- AHRI certified model selection program
- AHRI certified factory performance test facility

Convenience

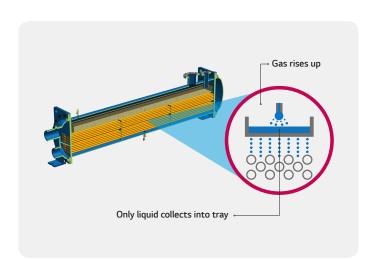
- User friendly controller with various functions
- Easy BMS interface (Modbus, BACnet, TCP/IP)



High Energy Efficiency

Falling Film Type Evaporator

- · Gravity dropping distribution
- Prevent sludge
- Stable operation
- Using eliminator, separate gas and liquid refrigerant for better distribution
- Optimized vapor lane design improves heat transfer efficiency





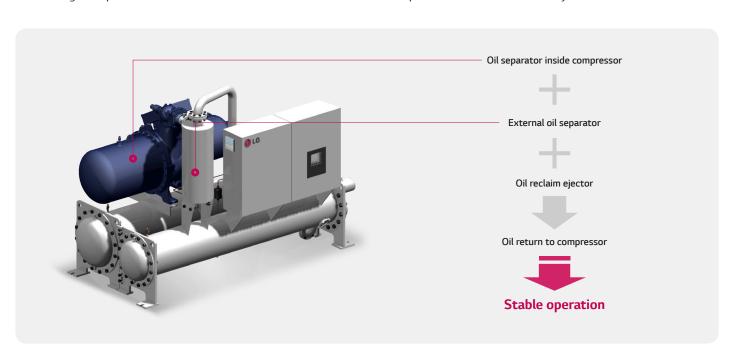
Stable Oil Reclaim System

Newly developed oil reclaim system makes operation more stable by utilizing external oil separation.

| Technologies & Benefits |

- Easy maintenance
- Cleaning oil separator without disassemble

- Reduce oil content in evaporator
- Improve heat transfer efficiency





Line-up

(Unit:usRT)



Specification

R134a / 50Hz

Model		Units	RCWW008CA1A	RCWW010CA1A	RCWW011CA1A	RCWW012CA1A	RCWW014CA1	A RCWW016CA1A	RCWW018CA1A
AHRI condition	Cooling capacity	usRT	75	93	101	113	131	155	180
Weight	Shipping/Operating	kg	2,320/2,460	2,410/2,570	2,490/2,660	2,530/2,710	3,020/3,25	3,140/3,390	3,220/3,500
Compressors	Quantity	EA	1	1	1	1	1	1	1
Water	Condenser	DN	100	100	100	100	125	125	125
Connections	Evaporator	DN	100	100	100	100	125	125	125
Dimension	L/W/H	mm	2,940/1,470/1,815	2,940/1,470/1,850	2,940/1,470/1,855	2,940/1,470/1,855	2,940/1,480/1,8	3,050/1,480/1,89	3,120/1,480/1,950
Model		Units	RCWW020CA2A	RCWW022CA	2A RCWW02	4CA2A RCWV	V028CA2A	RCWW032CA2A	RCWW036CA2A

Model		Units	RCWW020CA2A	RCWW022CA2A	RCWW024CA2A	RCWW028CA2A	RCWW032CA2A	RCWW036CA2A
AHRI condition	Cooling capacity	usRT	187	205	230	263	313	364
Weight	Shipping/Operating	kg	4,220/4,500	4,520/4,830	4,780/5,130	5,360/5,750	5,710/6,160	5,990/6,520
Compressors	Quantity	EA	2	2	2	2	2	2
Water	Condenser	DN	125	150	150	150	200	200
Connections	Evaporator	DN	125	150	150	150	200	200
Dimension	L/W/H	mm	3,800/1,455/1,960	3,900/1,455/1,970	4,268/1,485/2,005	4,295/1,485/2,050	4,380/1,515/2,060	4,520/1,545/2,075

R134a / 60Hz

I.	Model	Units	RCWW008CA1A	RCWW010CA1A	RCWW011CA1A	RCWW012CA1A	RCWW014CA1A	RCWW016CA1	A RCWW018CA1	RCWW020CA2A
AHRI condition	Cooling capacity	usRT	75	91	103	111	130	156	175	184
Weight	Shipping/Operating	kg	2,190/2,330	2,360/2,520	2,450/2,620	2,440/2,620	2,730/2,960	3,060/3,310	3,180/3,460	4,140/4,410
Compressors	Quantity	EA	1	1	1	1	1	1	1	2
Water	Condenser	DN	100	100	100	100	125	125	125	125
Connections	Evaporator	DN	100	100	100	100	125	125	125	125
Dimension	L/W/H	mm	2,940/1,450/1,760	2,940/1,470/1,810	2,940/1,470/1,810	2,940/1,470/1,840	2,940/1,470/1,89	2,940/1,480/1,94	3,050/1,480/1,95	3,630/1,455/1,890
Model										
N.	Model	Units	RCWW022CA2A	RCWW024CA	2A RCWW026	CA2A RCWW	028CA2A RCV	/W032CA2A F	RCWW036CA2A	RCWW040CA2A
AHRI condition	Model Cooling capacity	Units usRT	RCWW022CA2A 209	RCWW024CA 225	2A RCWW026 244		028CA2A RCV 62	/W032CA2A F	350	RCWW040CA2A 374
					244	. 2	62	315		
AHRI condition	Cooling capacity	usRT	209	225	244	,080 4,770	62	315	350	374
AHRI condition Weight	Cooling capacity Shipping/Operating	usRT kg	209	225	244 0 4,720/5	,080 4,770	62 /5,150 5,5	315	350	374
AHRI condition Weight Compressors	Cooling capacity Shipping/Operating Quantity	usRT kg EA	209 4,460/4,780 2	225 4,600/4,94 2	244 0 4,720/5 2	,080 4,770 1	62 /5,150 5,5 2	315 80/6,040 2	350 5,910/6,430 2	374 5,930/6,480 2

- 1. usRT = 3,024 kcal/hr = 3.517kW
 2. Chilled water leaving temperature is 6.7°C (44°F). Cooling water entering temperature is 29.4°C (85°F).
 3. Fouling factor of water in evaporator is 0.018 m².°C/kW (0.00002 ft²-h.°F/Btu). Fouling factor of water in condenser is 0.044 m².°C/kW (0.00005 ft²-h.°F/Btu). Due to our policy of innovation some specifications may be changed without prior notification.

LG Electronics, Home appliance & Air solution company

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