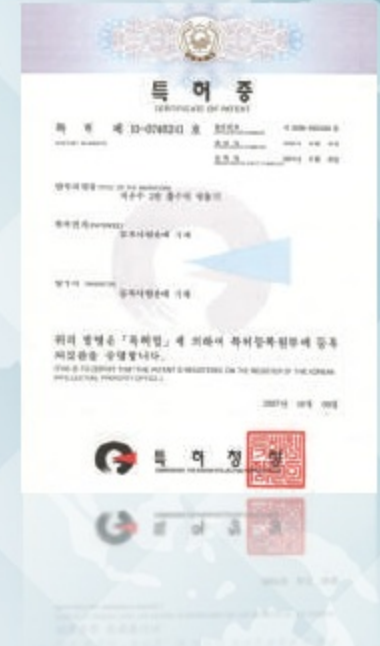


Double Lift Hot Water Driven Absorption Chiller

75RT ~ 1500RT 27 Model



WDL / Stable, Convenient, Efficient and Reliable

Non-carbon eco-friendly chiller

- Use of regional heating hot water (Energy use efficiency 84%. The ratio of incineration heat of the combined waste heat - 74%).
- Use of natural refrigerant water instead of Freon refrigerant destroying ozone layer.
- No CO2 and Nox which cause the global warming

Zero explosive danger by vacuum operation

- Internal pressure vacuum .
- No danger of gas explosion by use of hot water
- Safety from the danger of high-pressure damage.

The excellent partial load part-load value

- Auxiliary cycle auto stop if the cooling load is below 80%.
- Energy saving by 25% per chilled ton due to the increase in the efficiency by 25%.

Low noise & Low vibration

- Noise level: Below 75 dB at 1m distance

IPLV(Integrated Part-Load Value)

	Chilled water inlet °C	Cooling capacity	COP	Part Load rate	IPLV
Single effect double lift type	31,0	100%	0,64	0,01	0,83
	29,8	75%	0,82	0,42	
	28,8	50%	0,85	0,45	
	28,0	25%	0,81	0,12	
Single effect type	Chilled water inlet °C	Cooling capacity	COP	Part Load rate	IPLV
	31,0	100%	0,72	0,01	0,68
	29,9	75%	0,71	0,42	
	29,1	50%	0,68	0,45	
28,1	25%	0,59	0,12		

1) Chilled water outlet temp keeps at 8°C and hot water inlet temp keeps at 95°C
 2) Assuming that the ambient humid temp is 27°C for the chilled water inlet temp, it was designed to be lower depending on the hot water flow rate.
 3) Part load rate is subject to the paragraph 5,3,2,2 of AR1560-2000,

Economic air-conditioning

- Conventional Chiller: $\Delta 15\text{ }^{\circ}\text{C}$ (95°C -> 80°C)
 – Insufficient heating hot water
- Sing-effect/ Double-lift Chiller: $\Delta 40\text{ }^{\circ}\text{C}$ (95°C -> 55°C)
 – Saving 60% of the existing hot water use capacity
 Wide range of the use

Micro processor control with only start-up signal for automatic operation

- Precise control of start-up, stop, capacity control, abnormal stop, etc.
- Easy to handle due to the touch screen.
- Control of auxiliary cycle, self-diagnostic function & other controls

Saving maintenance cost

- Leakage per month: 3cc or below. High vacuum condition.
- Auto steam extraction. Non-condensing gas storage.
- Optimal condition of the operation.
- Operating with only minimum purging.

Comparison of partial load COP

