



Hot water / Direct Fired Single & Double Effect

LiBr Absorption Chiller/Heater



Comprehensive Utilization Of Energy

Solar Energy

Generator

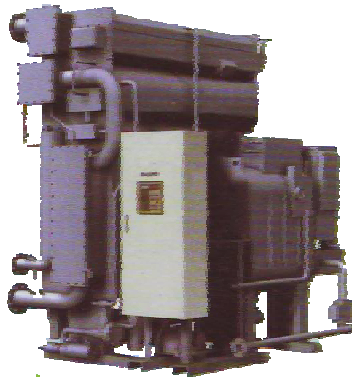
Well, River and Sea Water

Natural Gas

Industry Waste Hot Water



**Hot water / Direct Fired Single & Double Effect
LiBr Absorption Chiller/Heater**



Hot water / Direct Fired Single & Double Effect LiBr Absorption Chiller/Heater is perfectly combined between Direct-Fired double effect and Hot water fired single effect in order of comprehensive utilizing of energy.

Priority utilizing hot water as heat source during cooling, fuel is as backup to ensure continuous and steady cooling supply during lack of heat source.

Merit 1 COMPREHENSIVE UTILIZING OF ENERGY

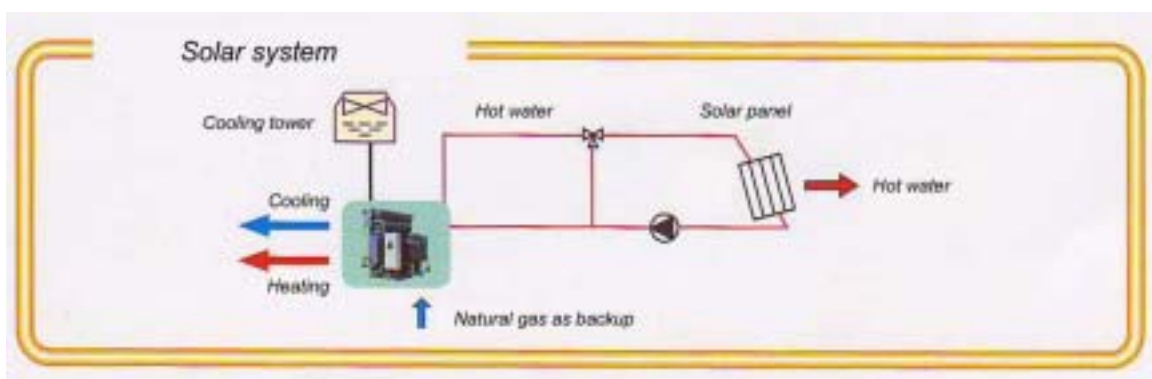
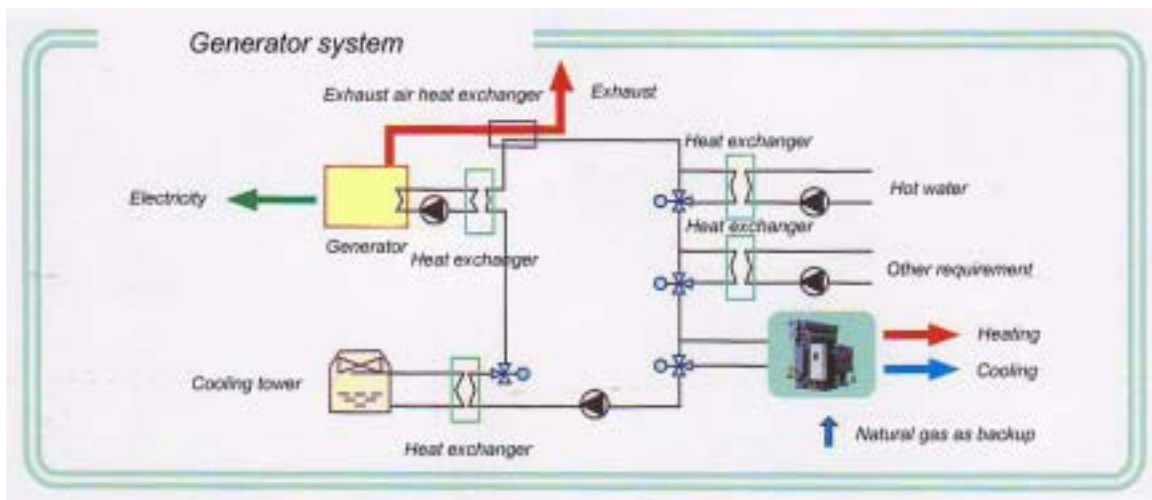
Merit 2 WIDE APPLICATION

Merit 3 INTELLEGET CONTROL SYSTEM

Merit 4 SIMPLIZING DESIGN AND INSTALLATION, MORE ECONOMIC

Merit 5 LOW RUNNING COST, SAVING ENERGY, EARLY PAYBACK

Merit 6 HEALTHY





Specifications

Model	LDG-**M	12	14	22	24	32	
Cooling capacity (single & double)	KW(USRT)	380(108)	570(162)	760(216)	1,013(288)	1,266(360)	
Cooling capacity (single effect)	KW(USRT)	190(54)	285(81)	380(108)	506(144)	633(180)	
Heating capacity	KW(kcal/h)	353(303,600)	530(455,400)	706(607,200)	941(809,600)	1,177(1,012,00)	
Chilled water system	Inlet/outlet temp.	12~7					
	Flow rate	ton/h	65.3	98	131	174	218
	Connection	A	100		125	150	200
Warm water system	Inlet/outlet temp.	55.4~60					
	Flow rate	ton/h	65.3	98	131	174	218
	Connection	A	100		125	150	200
Cooling water system	Inlet/outlet temp.	31~36.8					
	Flow rate	ton/h	120	180	240	320	400
	Connection	A	125		150	200	
Hot water system	Inlet/outlet temp.	88~83					
	Flow rate	ton/h	46.7	70	93.3	124	156
	Connection	A	100		125		150
Fuel consumption (Cooling/Heating)	Light oil	Kg/h	28.4/31.5	42.6/47.3	56.8/63.1	75.7/84.1	94/104.4
	City gas	Nm ³ /h	76.8/85.3	115.1/127.9	153.5/170.5	204.7/227.4	255.8/284.2
	Natural gas	Nm ³ /h	26.6/29.5	39.8/44.2	53/58.9	70.7/78.5	88.4/98.2
Flue connection	A	280 × 210			310 × 310		360 × 310

Model	LDG-**M	41	42	51	52	53	
Cooling capacity (single & double effect)	KW(USRT)	1,424(405)	1,582(450)	1,772(504)	1,994(567)	2,215(630)	
Cooling capacity (single effect)	KW(USRT)	714(203)	791(225)	886(252)	999(284)	1,108(315)	
Heating capacity	KW(kcal/h)	1,324(1,138,500)	1,471(1,265,000)	1,674(1,416,800)	1,853(1,593,900)	2,059(1,771,000)	
Chilled water system	Inlet/outlet temp	12~7					
	Flow rate	ton/h	245	272	305	343	381
	Connection	A	200				
Warm water system	Inlet/outlet temp.	55.4~60					
	Flow rate	ton/h	245	272	305	343	381
	Connection	A	200				
Cooling water system	Inlet/outlet temp.	31~36.8					
	Flow rate	ton/h	450	500	560	630	700
	Connection	A	250		300		
Hot water system	Inlet/outlet temp.	88~83					
	Flow rate	ton/h	175	194	218	245	272
	Connection	A	200				
Fuel consumption (Cooling/Heating)	Light oil	Kg/h	105.8/117.5	117.5/130.5	133.7/148.6	150.4/167.1	164.6/182.9
	City gas	Nm ³ /h	287.7/319.7	319.8/355.3	369.4/410.4	415.4/461.5	454.7/505.2
	Natural gas	Nm ³ /h	99.5/110.5	110.4/122.7	127.6/141.8	143.5/159.4	157.1/174.5
Flue connection	A	410 × 310			350 × 500		

Note:

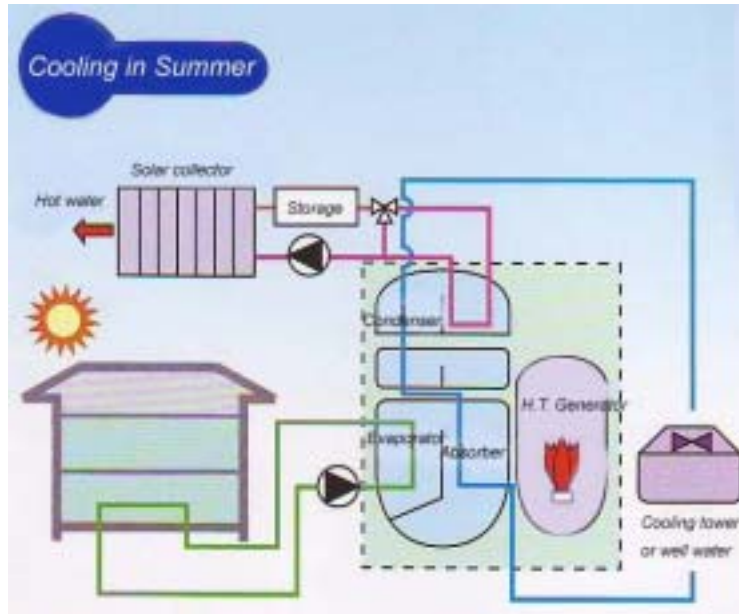
- 1 USRT = 3.52 kw (3,024kcal/h);
2. "A" stands for nominal diameter, unit is mm;
3. The heat value in the table are low heat values: light oil 10,400Kcal/h, city gas 3,800Kcal/Nm³, natural gas 11,000Kcal/Nm³;
4. Max. working pressure for chilled/cooling/warm/hot water system is 8Kg/cm² · G;
5. The values in above table may be modified without notice.

Solar System Example

Energy: Natural Gas (or Light oil), Solar

Function:

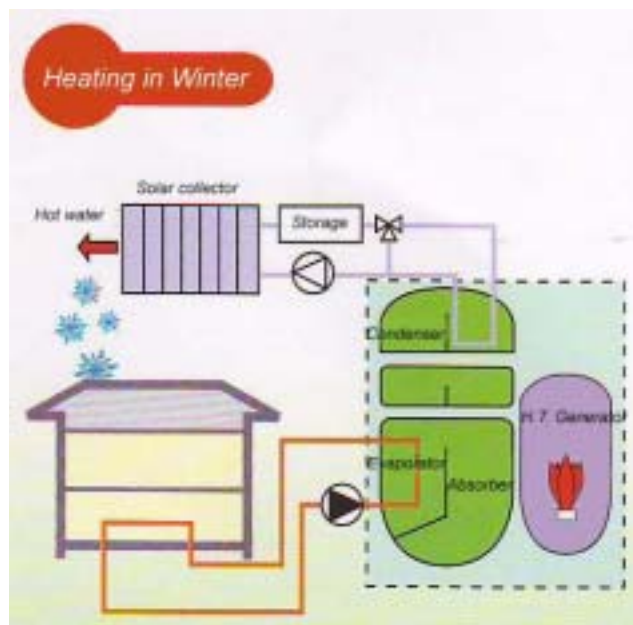
A. Cooling in summer



Character: 1.Solar + Natural Gas as backup;

2.Priorty utilizing the hot water produced by Solar as heat source, Natural Gas works as backup, if it cannot fit the Load of cooling;

B. Heating in winter



Character: Utilizing natural gas as heat source to realize heating in winter