

HITACHI GAS-FIRED ABSORPTION CHILLER-HEATER

SPECIFICATIONS

MODEL : HAU-CGN		120V	150V	180V	210V	240V	280V	320V	360V	400V	450V	500V	
REFRIGERATING CAPACITY	USRT	120	150	180	210	240	280	320	360	400	450	500	
	kW	422	527	633	738	844	985	1,125	1,266	1,407	1,582	1,758	
HEATING CAPACITY	Mcal/h	309	386	464	541	618	721	824	927	1,030	1,159	1,288	
	kW	359	449	539	629	719	839	958	1,078	1,198	1,348	1,497	
CHILLED WATER	INLET TEMPERATURE	°C 12.2											
	OUTLET TEMPERATURE	°C 6.7											
	WATER FLOW RATE	m ³ /h	66.0	82.5	99.0	115.5	132.0	153.9	175.9	197.9	219.9	247.4	274.9
	PIPE CONNECTION SIZE	A (JIS 10k Flange)	100	100	125	125	125	150	150	150	150	200	200
	MAX. SAFE WORKING PRESSURE	kPa (kg/cm ² G)	784 (8.0)										
	FOULING FACTOR	m ² k/kw (m ² h /kcal)	0.086 (0.0001)										
COOLING WATER	INLET TEMPERATURE	°C 32.2											
	OUTLET TEMPERATURE	°C 37.8											
	WATER FLOW RATE	m ³ /h	118	147	177	206	236	275	314	354	393	442	491
	PIPE CONNECTION SIZE	A (JIS 10k Flange)	125	125	150	150	150	200	200	200	200	250	250
	MAX. SAFE WORKING PRESSURE	kPa (kg/cm ² G)	784 (8.0)										
	FOULING FACTOR	m ² k/kw (m ² h /kcal)	0.086 (0.0001)										
HOT WATER	INLET TEMPERATURE	°C 55.3											
	OUTLET TEMPERATURE	°C 60.0											
	WATER FLOW RATE	m ³ /h	66.0	82.5	99.0	115.5	132.0	153.9	175.9	197.9	219.9	247.4	274.9
	PIPE CONNECTION SIZE	A (JIS 10k Flange)	100	100	125	125	125	150	150	150	150	200	200
	MAX. SAFE WORKING PRESSURE	kPa (kg/cm ² G)	784 (8.0)										
	FOULING FACTOR	m ² k/kw (m ² h /kcal)	0.086 (0.0001)										
POWER SOURCE	380V 50HZ 3	kVA	7.6	9.5	9.9	10.0	11.9	15.3	15.3	17.7/16.8	17.7/16.8	26.8/27.1	26.8/27.1
ELECTRIC POWER	SOLUTION PUMP	kW	1.1+1.1	2.2+1.1	2.2+1.1	3.7	3.7	5.5	5.5	4.5+2.2	4.5+2.2	5.5+3.7	5.5+3.7
	REFRIGERANT PUMP	kW	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.75	0.75	1.5	1.5
	BURNER FAN (GAS)	kW	0.75	0.75	0.75	0.75	2.2	2.2	2.2	2.2	2.2	3.7	3.7
	PURGE PUMP	kW	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
FUEL (NATURAL GAS)	GAS CONSUMPTION	kW	419	524	629	733	838	978	1117	1257	1397	1571	1746
		Mcal/h	360.4	450.5	540.5	630.6	720.7	840.8	961.0	1081.1	1201.2	1351.4	1501.5
	GAS PRESSURE	kPa(mmAq)	2.0 (200)									100 (10,000)	
	PIPE SIZE	A	50	50	40	40	50	65	65	65	65	40	40
DIMENSIONS	LENGTH (L)	mm	3,023	3,170	3,495	4,144	4,144	4,944	4,944	4,900	4,900	4,900	4,900
	WIDTH (W)	mm	1,925	1,925	1,925	1,925	1,925	1,988	1,988	2,440	2,440	2,480	2,480
	HEIGHT (H)	mm	2,170	2,170	2,170	2,170	2,170	2,248	2,248	2,650	2,650	2,940	2,940
WEIGHT	RIGGING	ton	5.7	6.1	7.1	7.8	8.5	9.9	10.2	13.6	14.1	16.1	16.7
	OPERATING	ton	6.1	6.5	7.6	8.3	9.1	10.6	10.9	15.1	15.7	18	18.6

NOTE

1. High Temperature Generator Type : Liquid tube type
2. Tube Material in Absorber and Condenser : Copper tube
3. Burner Type : Gas burner (single fuel type)

REMARK

1. The others are to be Hitachi standard spec. and scope of supply.
2. The machine and electrical equipment are to be designed, manufactured and tested in accordance with the Japanese Industrial Standard and Manufacturer 's Standard.