

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 150V- 400V (Standard Condition)

(Chilled Water: Inlet: 12°C, Outlet: 7°C / Cooling Water: Inlet: 32°C, Outlet: 37.5°C)

Model type HAU-CGN			150V	180V	240V	320V	400V
Cooling Capacity		USRT	150	180	240	320	400
		kW	527	633	844	1125	1407
Chilled Water	Temperature	°C	Inlet: 12°C, Outlet 7°C				
	Flow rate	m ³ /h	90.7	108.9	145.2	193.5	241.9
	Pressure drop	kPa (mAq)	51(5.2)	59(6.0)	59(6.0)	101(10.3)	103(10.5)
	Connection pipe nominal size	A	100	125	125	150	150
	Number of pass	-	Odd	Even	Odd	Odd	Odd
Cooling Water	Temperature	°C	Inlet: 32°C, Outlet: 37.5°C				
	Flow rate	m ³ /h	150	180	240	320	400
	Pressure drop	kPa (mAq)	61(6.2)	66(6.7)	80(8.2)	83(8.5)	104(10.6)
	Connection pipe nominal size	A	125	150	150	200	200
	Number of pass	-	Odd	Even	Even	Odd	Odd
Electric Capacity	Supply (200V 50Hz 3)	kVA	9.5	9.9	11.9	15.3	17.7
	Solution pump(s)	kW	2.2+1.1	2.2+1.1	3.7	5.5	4.5+2.2
	Refrigerant pump	kW	0.2	0.4	0.4	0.4	0.75
	Burner fan	kW	0.75	0.75	2.2	2.2	2.2
Fuel	Gas consumption	kW(HHV)	524	628	838	1118	1397
Heat transfer area of high temperature generator		m ²	8.07	9.06	11.24	12.41	16.17
External Dimensions	Length (L)	mm	3170	3495	4144	4944	4900
	Width (W)	mm	1925	1925	1925	1988	2440
	Height (H)	mm	2170	2170	2170	2248	2650
Operating Mass (weight)		t	6.5	7.6	9.1	10.9	15.7
Rigging Mass (weight)		t	6.1	7.1	8.5	10.2	14.1
Insulating Area	Hot insulation	m ²	14	15	18	20	33
	Cold insulation	m ²	7	8	10	12	13
Contained Water Volume	Chilled water	L	148	183	219	273	560
	Cooling water	L	212	270	339	424	1060

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 500V-1000V (Standard Condition)

(Chilled Water: Inlet: 12°C, Outlet: 7°C / Cooling Water: Inlet: 32°C, Outlet: 37.5°C)

Model type HAU-CGN			500V	630V	700V	800V	900 V	1000V
Cooling Capacity		USRT	500	630	700	800	900	1000
		kW	1758	2215	2461	2813	3165	3516
Chilled Water	Temperature		Inlet: 12°C, Outlet 7°C					
	Flow rate	m ³ /h	302.4	381.0	423.4	483.8	544.3	604.8
	Pressure drop	kPa (mAq)	101(10.3)	60(6.1)	50(5.1)	54(5.5)	92(9.4)	94(9.6)
	Connection pipe nominal size	A	200	200	200	250	250	250
	Number of pass	-	Odd	Even	Even	Even	Even	Even
Cooling Water	Temperature		Inlet: 32 , Outlet: 37.5					
	Flow rate	m ³ /h	500	630	700	800	900	1000
	Pressure drop	kPa (mAq)	106(10.8)	84(8.6)	138(14.1)	64(6.5)	103(10.5)	109(11.1)
	Connection pipe nominal size	A	250	300	300	350	350	350
	Number of pass	-	Odd	Even	Odd	Odd	Even	Even
Electric Capacity	Supply (200V 50Hz 3)	kVA	26.8	28.4	34.3	36.7	51.6	51.6
	Solution pump(s)	kW	5.5+3.7	7.5+3.7	7.5+3.7	7.5+3.7	11+5.5	11+5.5
	Refrigerant pump	kW	1.5	1.5	1.5	1.5	1.5	1.5
	Burner fan	kW	3.7	3.7	5.5	7.5	7.5	7.5
Fuel	Gas consumption	kW(HHV)	1746	2200	2444	2794	3143	3492
Heat transfer area of high temperature generator		m ²	20.69	24.14	27.80	37.70	41.00	44.20
External Dimensions	Length (L)	mm	4900	5900	6100	6100	7100	7100
	Width (W)	mm	2480	2550	3340	3340	3340	3340
	Height (H)	mm	2940	3040	3480	3480	3480	3480
Operating Mass (weight)		t	18.7	23.8	32.9	36.4	42.7	43.4
Rigging Mass (weight)		t	16.7	20.5	29.7	33.0	39.1	39.6
Insulating Area	Hot insulation	m ²	37	44	47	54	60	67
	Cold insulation	m ²	16	19	22	25	28	31
Contained Water Volume	Chilled water	L	680	770	980	1030	1110	1170
	Cooling water	L	1290	1520	2210	2310	2500	2610

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 150VA- 400VA

(Chilled Water: Inlet: 15° C, Outlet: 7° C / Cooling Water: Inlet: 32° C, Outlet: 37.5° C)

Model type HAU-CGN			150VA	180VA	240 VA	320VA	400 VA
Cooling Capacity		USRT	150	180	240	320	400
		kW	527	633	844	1125	1407
Chilled Water	Temperature	°C	Inlet: 15° C, Outlet 7° C				
	Flow rate	m ³ /h	56.7	68.0	90.7	121	151.2
	Pressure drop	kPa (mAq)	72(7.3)	58(5.9)	71(7.2)	78(8.0)	94(9.6)
	Connection pipe nominal size	A	80	100	100	125	125
	Number of pass	-	Even	Even	Odd	Even	Even
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 37.5° C				
	Flow rate	m ³ /h	150	180	240	320	400
	Pressure drop	kPa (mAq)	64(6.2)	74(7.6)	80(8.2)	83(8.5)	104(10.6)
	Connection pipe nominal size	A	125	150	150	200	200
	Number of pass	-	Even	Odd	Even	Odd	Odd
Electric Capacity	Supply (200V 50Hz 3)	kVA	9.5	9.9	11.9	15.3	17.7
	Solution pump(s)	kW	2.2+1.1	2.2+1.1	3.7	5.5	4.5+2.2
	Refrigerant pump	kW	0.2	0.4	0.4	0.4	0.75
	Burner fan	kW	0.75	0.75	2.2	2.2	2.2
Fuel	Gas consumption	kW(HHV)	524	628	838	1118	1397
Heat transfer area of high temperature generator		m ²	8.07	9.06	11.24	12.41	16.17
External Dimensions	Length (L)	mm	3170	3495	4144	4944	4900
	Width (W)	mm	1925	1925	1925	1988	2440
	Height (H)	mm	2170	2170	2170	2248	2650
Operating Mass (weight)		t	6.5	7.6	9.1	10.9	15.7
Rigging Mass (weight)		t	6.1	7.1	8.5	10.2	14.1
Insulating Area	Hot insulation	m ²	14	15	18	20	33
	Cold insulation	m ²	7	8	10	12	13
Contained Water Volume	Chilled water	L	148	183	219	273	560
	Cooling water	L	212	270	339	424	1060

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 500VA-1000VA

(Chilled Water: Inlet: 15°C, Outlet: 7°C / Cooling Water: Inlet: 32°C, Outlet: 37.5°C)

Model type HAU-CGN			500VA	630VA	700VA	800VA	900 VA	1000VA
Cooling Capacity		USRT	500	630	700	800	900	1000
		kW	1758	2215	2461	2813	3165	3516
Chilled Water	Temperature		Inlet: 15°C, Outlet 7°C					
	Flow rate	m ³ /h	189.0	238.1	264.6	302.4	340.2	378.0
	Pressure drop	kPa (mAq)	99(10.1)	80(8.2)	67(6.9)	72(7.4)	123(12.6)	126(12.9)
	Connection pipe nominal size	A	150	150	150	200	200	200
	Number of pass	-	Even	Odd	Odd	Odd	Odd	Odd
Cooling Water	Temperature		Inlet: 32 , Outlet: 37.5					
	Flow rate	m ³ /h	500	630	700	800	900	1000
	Pressure drop	kPa (mAq)	106(10.8)	84(8.6)	138(14.1)	64(6.5)	103(10.5)	109(11.1)
	Connection pipe nominal size	A	250	300	300	350	350	350
	Number of pass	-	Odd	Even	Odd	Odd	Even	Even
Electric Capacity	Supply (200V 50Hz 3)	KVA	26.8	28.4	34.3	36.7	51.6	51.6
	Solution pumps	KW	5.5+3.7	7.5+3.7	7.5+3.7	7.5+3.7	11+5.5	11+5.5
	Refrigerant pumps	KW	1.5	1.5	1.5	1.5	1.5	1.5
	Burner fan	KW	3.7	3.7	5.5	7.5	7.5	7.5
Fuel	Gas consumption	kW(HHV)	1746	2200	2444	2794	3143	3492
Heat transfer area of high temperature generator		m ²	20.69	24.14	27.80	37.70	41.00	44.20
External Dimensions	Length (L)	mm	4900	5900	6100	6100	7100	7100
	Width (W)	mm	2480	2550	3340	3340	3340	3340
	Height (H)	mm	2940	3040	3480	3480	3480	3480
Operating Mass (weight)		t	18.7	22.8	32.9	36.4	42.7	43.4
Rigging Mass (weight)		t	16.7	20.5	29.7	33.0	39.1	39.6
Insulating Area	Hot insulation	m ²	37	44	47	54	60	67
	Cold insulation	m ²	16	19	22	25	28	31
Contained Water Volume	Chilled water	L	680	770	980	1030	1110	1170
	Cooling water	L	1290	1520	2210	2310	2500	2610

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 150VB- 400VB (Large Temperature Differentials Condition)

(Chilled Water: Inlet: 15°C, Outlet: 7°C / Cooling Water: Inlet: 32°C, Outlet: 39.4°C)

Model type HAU-CGN			150VB	180VB	240 VB	320VB	400 VB
Cooling Capacity		USRT	150	180	240	320	400
		kW	527	633	844	1125	1407
Chilled Water	Temperature	°C	Inlet: 15°C, Outlet 7°C				
	Flow rate	m ³ /h	56.7	68.0	90.7	121.0	151.2
	Pressure drop	kPa (mAq)	72(7.3)	58(5.9)	71(7.2)	78(8.0)	94(9.6)
	Connection pipe nominal size	A	80	100	100	125	125
	Number of pass	-	Even	Even	Odd	Even	Even
Cooling Water	Temperature	°C	Inlet: 32°C, Outlet: 39.4°C				
	Flow rate	m ³ /h	112.5	135.0	180.0	240.0	300.0
	Pressure drop	kPa (mAq)	85(8.7)	76(7.8)	92(9.4)	100(10.2)	107(10.9)
	Connection pipe nominal size	A	100	125	125	150	150
	Number of pass	-	Even	Even	Odd	Even	Even
Electric Capacity	Supply (200V 50Hz 3)	kVA	9.5	9.9	11.9	15.3	17.7
	Solution pump(s)	kW	2.2+1.1	2.2+1.1	3.7	5.5	4.5+2.2
	Refrigerant pump	kW	0.2	0.4	0.4	0.4	0.75
	Burner fan	kW	0.75	0.75	2.2	2.2	2.2
Fuel	Gas consumption	kW(HHV)	524	628	838	1118	1397
Heat transfer area of high temperature generator		m ²	8.07	9.06	11.24	12.41	16.17
External Dimensions	Length (L)	mm	3170	3495	4144	4944	4900
	Width (W)	mm	1925	1925	1925	1988	2440
	Height (H)	mm	2170	2170	2170	2248	2650
Operating Mass (weight)		t	6.5	7.6	9.1	10.9	15.7
Rigging Mass (weight)		t	6.1	7.1	8.5	10.2	14.1
Insulating Area	Hot insulation	m ²	14	15	18	20	33
	Cold insulation	m ²	7	8	10	12	13
Contained Water Volume	Chilled water	L	148	183	219	273	560
	Cooling water	L	212	270	339	424	1060

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 500VB-1000VB (Large Temperature Differentials Condition)

(Chilled Water: Inlet: 15°C, Outlet: 7°C / Cooling Water: Inlet: 32°C, Outlet: 39.4°C)

Model type HAU-CGN			500VB	630VB	700VB	800VB	900 VB	1000VB
Cooling Capacity		USRT	500	630	700	800	900	1000
		kW	1758	2215	2461	2813	3165	3516
Chilled Water	Temperature		Inlet: 15°C, Outlet 7°C					
	Flow rate	m ³ /h	189.0	238.1	264.6	302.4	340.2	378.0
	Pressure drop	kPa (mAq)	99(9.7)	80(8.2)	67(6.9)	72(7.4)	123(12.6)	126(12.9)
	Connection pipe nominal size	A	150	150	150	200	200	200
	Number of pass	-	Even	Odd	Odd	Odd	Odd	Odd
Cooling Water	Temperature		Inlet: 32 , Outlet: 39.4					
	Flow rate	m ³ /h	375.0	472.5	525.0	600.0	675.0	750.0
	Pressure drop	kPa (mAq)	115(11.7)	87(8.9)	137(14.0)	63(6.4)	101(10.3)	108(11.0)
	Connection pipe nominal size	A	200	250	250	300	300	300
	Number of pass	-	Even	Odd	Even	Odd	Odd	Odd
Electric Capacity	Supply (200V 50Hz 3)	kVA	26.8	28.4	34.3	36.7	51.6	51.6
	Solution pump(s)	kW	5.5+3.7	7.5+3.7	7.5+3.7	7.5+3.7	11+5.5	11+5.5
	Refrigerant pump	kW	1.5	1.5	1.5	1.5	1.5	1.5
	Burner fan	kW	3.7	3.7	5.5	7.5	7.5	7.5
Fuel	Gas consumption	kW(HHV)	1746	2200	2444	2794	3143	3492
Heat transfer area of high temperature generator		m ²	20.69	24.14	27.80	37.70	41.00	44.20
External Dimensions	Length (L)	mm	4900	5900	6100	6100	7100	7100
	Width (W)	mm	2480	2550	3340	3340	3340	3340
	Height (H)	mm	2940	3040	3480	3480	3480	3480
Operating Mass (weight)		t	18.7	22.8	32.9	36.4	42.7	43.4
Rigging Mass (weight)		t	16.7	20.5	29.7	33.0	39.1	39.6
Insulating Area	Hot insulation	m ²	37	44	47	54	60	67
	Cold insulation	m ²	16	19	22	25	28	31
Contained Water Volume	Chilled water	L	680	770	980	1030	1110	1170
	Cooling water	L	1290	1520	2210	2310	2500	2610

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 150VC- 400VC

(Chilled Water: Inlet: 12° C, Outlet: 7° C / Cooling Water: Inlet: 32° C, Outlet: 39.4° C)

Model type HAU-CGN			150VC	180VC	240 VC	320VC	400 VC
Cooling Capacity		USRT	135	150	210	280	360
		kW	475	527	738	985	1266
Chilled Water	Temperature	°C	Inlet: 12° C, Outlet 7° C				
	Flow rate	m ³ /h	81.6	90.7	127.0	169.3	217.7
	Pressure drop	kPa (mAq)	59(6.0)	59(6.0)	68(6.9)	79(8.1)	85(8.7)
	Connection pipe nominal size	A	100	125	125	150	150
	Number of pass	-	Odd	Even	Even	Odd	Odd
Cooling Water	Temperature	°C	Inlet: 32° C, Outlet: 39.4° C				
	Flow rate	m ³ /h	101.3	112.5	157.5	210.0	270.0
	Pressure drop	kPa (mAq)	71(7.2)	55(5.6)	73(7.4)	79(8.1)	88(9.0)
	Connection pipe nominal size	A	100	125	125	150	150
	Number of pass	-	Even	Even	Odd	Even	Even
Electric Capacity	Supply (200V 50Hz 3)	kVA	9.5	9.9	11.9	15.3	17.7
	Solution pump(s)	kW	2.2+1.1	2.2+1.1	3.7	5.5	4.5+2.2
	Refrigerant pump	kW	0.2	0.4	0.4	0.4	0.75
	Burner fan	kW	0.75	0.75	2.2	2.2	2.2
Fuel	Gas consumption	kW(HHV)	472	524	733	977	1397
Heat transfer area of high temperature generator		m ²	8.07	9.06	11.24	12.41	16.17
External Dimensions	Length (L)	mm	3170	3495	4144	4944	4900
	Width (W)	mm	1925	1925	1925	1988	2440
	Height (H)	mm	2170	2170	2170	2248	2650
Operating Mass (weight)		t	6.5	7.6	9.1	10.9	15.7
Rigging Mass (weight)		t	6.1	7.1	8.5	10.2	14.1
Insulating Area	Hot insulation	m ²	14	15	18	20	33
	Cold insulation	m ²	7	8	10	12	13
Contained Water Volume	Chilled water	L	148	183	219	273	550
	Cooling water	L	212	270	339	424	1050

Direct Gas Fired Double Effect Absorption Chiller

Specifications: HAU-CGN 500VC- 1000VC

(Chilled Water: Inlet: 12°C, Outlet: 7°C / Cooling Water: Inlet: 32°C, Outlet: 39.4°C)

Model type HAU-CGN			500VC	630VC	700VC	800VC	900 VC	1000VC
Cooling Capacity		USRT	450	560	630	700	800	900
		kW	1582	1969	2215	2461	2813	3165
Chilled Water	Temperature		Inlet: 12° C, Outlet 7° C					
	Flow rate	m ³ /h	272.2	338.7	381.0	423.4	483.8	544.3
	Pressure drop	kPa (mAq)	84(8.6)	49(5.0)	42(4.3)	45(4.6)	76(7.8)	7.8(8.0)
	Connection pipe nominal size	A	200	200	200	250	250	250
	Number of pass	-	Odd	Even	Even	Even	Even	Even
Cooling Water	Temperature		Inlet: 32 , Outlet: 39.4					
	Flow rate	m ³ /h	337.5	420.0	472.5	525.0	600.0	675.0
	Pressure drop	kPa (mAq)	94(9.6)	78(8.0)	114(11.6)	52(5.3)	83(8.5)	89(9.1)
	Connection pipe nominal size	A	200	250	250	300	300	300
	Number of pass	-	Even	Odd	Even	Odd	Odd	Odd
Electric Capacity	Supply (200V 50Hz 3)	kVA	26.9	28.5	34.3	36.8	51.7	51.7
	Solution pump(s)	kW	5.5+3.7	7.5+3.7	7.5+3.7	7.5+3.7	11+5.5	11+5.5
	Refrigerant pump	kW	1.5	1.5	1.5	1.5	1.5	1.5
	Burner fan	kW	3.7	3.7	5.5	7.5	7.5	7.5
Fuel	Gas consumption	kW(HHV)	1746	2200	2444	2793	3143	3492
Heat transfer area of high temperature generator		m ²	20.69	24.14	27.80	37.70	41.00	44.20
External Dimensions	Length (L)	mm	4900	5900	6100	6100	7100	7100
	Width (W)	mm	2480	2550	3340	3340	3340	3340
	Height (H)	mm	2940	3040	3480	3480	3480	3480
Operating Mass (weight)		t	18.7	22.8	32.9	36.4	42.7	43.4
Rigging Mass (weight)		t	16.7	20.5	29.7	33.0	39.1	39.6
Insulating Area	Hot insulation	m ²	37	44	47	54	60	67
	Cold insulation	m ²	16	19	22	25	28	31
Contained Water Volume	Chilled water	L	680	770	980	1030	1110	1170
	Cooling water	L	1290	1520	2210	2310	2510	2620