

16 DNH Absorption Chiller (High Efficiency)

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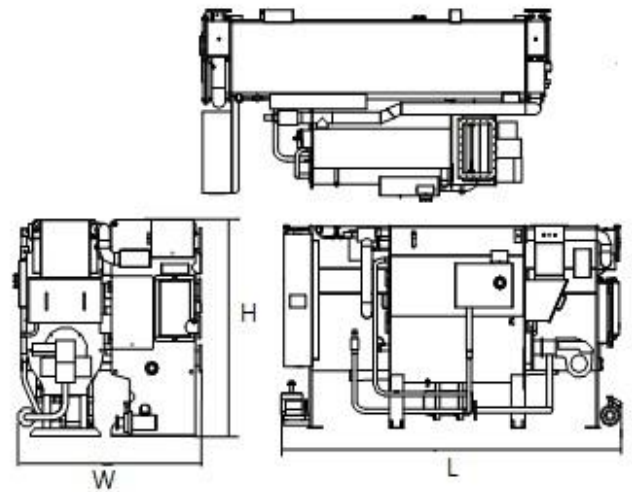
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16 DNH Absorption Chiller – 100 usRT

- Model : **16DNH010 (100 usRT)**
- Dimension(Length x Width x Height)
 - 2,801 x 1,797 x 2,081 mm
- Net Weight : 5,050 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



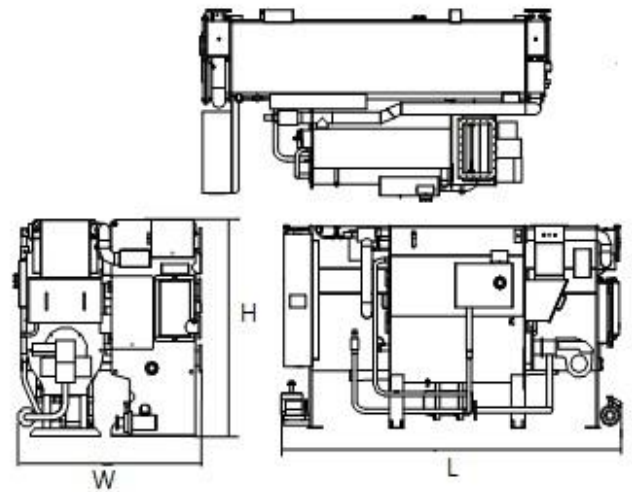
Specification

Cooling Capacity		kW	352
Heating Capacity		kW	250
Chilled Water	Flow Rate	l/sec	15.1
	Pressure Drop	kPa	58.5
Cooling Water	Flow Rate	l/sec	25.3
	Pressure Drop	kPa	42.0
Hot Water	Flow Rate	l/sec	12.3
	Pressure Drop	kPa	34.8
Fuel Consumption	Natural Gas	m ³ /hr.	28.0
	No. 2 Oil	l/hr.	26.8
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	3,090
	G1 (Includes Burner)	kg	1,170
	LiBr Solution Charge	kg	640
	Refrigerant(Water) Charge	kg	150
	Total	kg	5,050
Operating Weight		kg	5,450
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	4
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	3
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	400 x 232

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 120 usRT

- Model : **16DNH012 (120 usRT)**
- Dimension(Length x Width x Height)
 - 2,801 x 1,797 x 2,081 mm
- Net Weight : 5,370 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



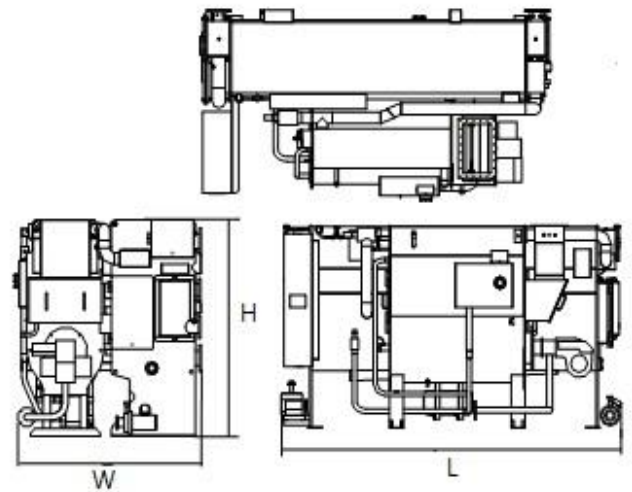
Specification

Cooling Capacity		kW	422
Heating Capacity		kW	300
Chilled Water	Flow Rate	ℓ/sec	18.1
	Pressure Drop	kPa	63.4
Cooling Water	Flow Rate	ℓ/sec	30.4
	Pressure Drop	kPa	46.1
Hot Water	Flow Rate	ℓ/sec	14.8
	Pressure Drop	kPa	38.4
Fuel Consumption	Natural Gas	m ³ /hr.	33.7
	No. 2 Oil	ℓ/hr.	32.2
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	3,210
	G1 (Includes Burner)	kg	1,330
	LiBr Solution Charge	kg	690
	Refrigerant (Water) Charge	kg	140
	Total	kg	5,370
Operating Weight		kg	5,820
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	4
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	3
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	400 x 232

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 150 usRT

- Model : **16DNH015 (150 usRT)**
- Dimension(Length x Width x Height)
 - 3,644 x 1,829 x 2,056 mm
- Net Weight : 6,330 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



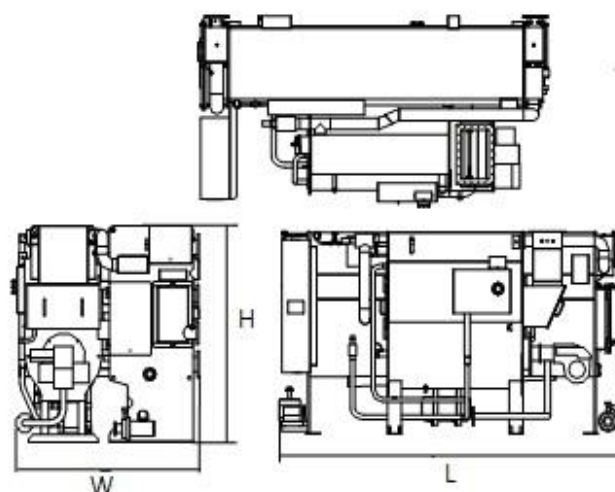
Specification

Cooling Capacity		kW	528
Heating Capacity		kW	375
Chilled Water	Flow Rate	l/sec	22.7
	Pressure Drop	kPa	75.0
Cooling Water	Flow Rate	l/sec	37.9
	Pressure Drop	kPa	63.6
Hot Water	Flow Rate	l/sec	18.4
	Pressure Drop	kPa	44.1
Fuel Consumption	Natural Gas	m ³ /hr.	42.2
	No. 2 Oil	l/hr.	40.2
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	3,820
	G1 (Includes Burner)	kg	1,420
	LiBr Solution Charge	kg	860
	Refrigerant (Water) Charge	kg	230
	Total	kg	6,330
Operating Weight		kg	6,840
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	485 x 290

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 180 usRT

- Model : **16DNH018 (180 usRT)**
- Dimension(Length x Width x Height)
 - 3,644 x 1,829 x 2,056 mm
- Net Weight : 6,710 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SUPER**'s plate type heat exchanger for high efficiency



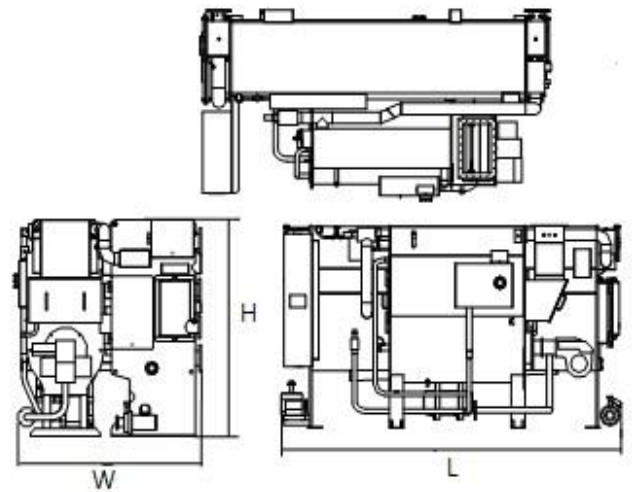
Specification

Cooling Capacity		kW	633
Heating Capacity		kW	450
Chilled Water	Flow Rate	l/sec	27.3
	Pressure Drop	kPa	81.2
Cooling Water	Flow Rate	l/sec	45.4
	Pressure Drop	kPa	72.9
Hot Water	Flow Rate	l/sec	22.1
	Pressure Drop	kPa	48.6
Fuel Consumption	Natural Gas	m ³ /hr.	50.6
	No. 2 Oil	l/hr.	48.2
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	4,060
	G1 (Includes Burner)	kg	1,470
	LiBr Solution Charge	kg	950
	Refrigerant (Water) Charge	kg	230
	Total	kg	6,710
Operating Weight		kg	7,280
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	485 x 290

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 210 usRT

- Model : **16DNH021 (210 usRT)**
- Dimension(Length x Width x Height)
 - 3,679 x 2,034 x 2,312 mm
- Net Weight : 7,730 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



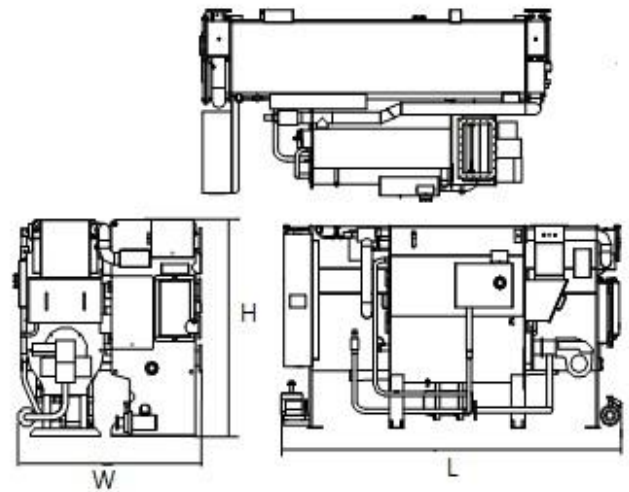
Specification

Cooling Capacity		kW	739
Heating Capacity		kW	525
Chilled Water	Flow Rate	l/sec	31.8
	Pressure Drop	kPa	77.9
Cooling Water	Flow Rate	l/sec	53.0
	Pressure Drop	kPa	51.3
Hot Water	Flow Rate	l/sec	25.8
	Pressure Drop	kPa	45.6
Fuel Consumption	Natural Gas	m ³ /hr.	59.0
	No. 2 Oil	l/hr.	56.3
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	4,650
	G1 (Includes Burner)	kg	1,620
	LiBr Solution Charge	kg	1,150
	Refrigerant (Water) Charge	kg	310
	Total	kg	7,730
Operating Weight		kg	8,450
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	5
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	6
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	600 x 290

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 240 usRT

- Model : **16DNH024 (240 usRT)**
- Dimension (Length x Width x Height)
 - 3,679 x 2,034 x 2,312 mm
- Net Weight : 8,300 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



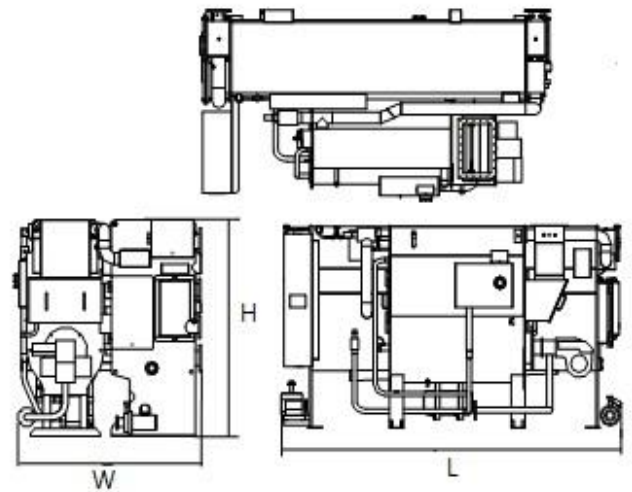
Specification

Cooling Capacity		kW	844
Heating Capacity		kW	600
Chilled Water	Flow Rate	l/sec	36.3
	Pressure Drop	kPa	79.7
Cooling Water	Flow Rate	l/sec	60.6
	Pressure Drop	kPa	57.0
Hot Water	Flow Rate	l/sec	29.5
	Pressure Drop	kPa	47.3
Fuel Consumption	Natural Gas	m ³ /hr.	67.4
	No. 2 Oil	l/hr.	64.4
Coefficient of Performance (COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	4,960
	G1 (Includes Burner)	kg	1,830
	LiBr Solution Charge	kg	1,210
	Refrigerant (Water) Charge	kg	300
	Total	kg	8,300
Operating Weight		kg	9,100
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	5
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	6
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	2
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	600 x 290

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 280 usRT

- Model : **16DNH028 (280 usRT)**
- Dimension (Length x Width x Height)
 - 4,780 x 2,077 x 2,381 mm
- Net Weight : 10,200 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



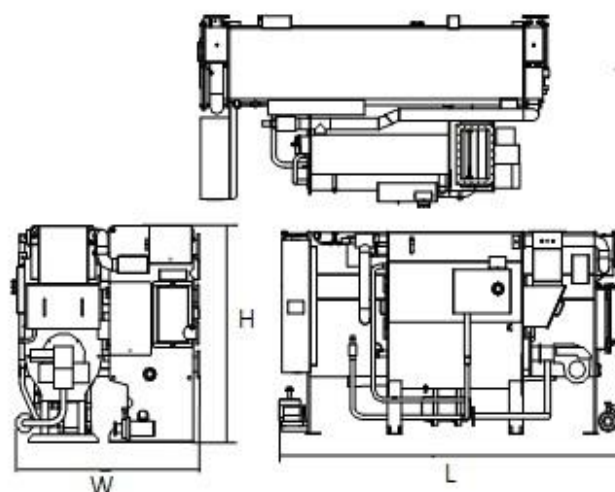
Specification

Cooling Capacity		kW	985
Heating Capacity		kW	700
Chilled Water	Flow Rate	l/sec	42.4
	Pressure Drop	kPa	52.4
Cooling Water	Flow Rate	l/sec	70.7
	Pressure Drop	kPa	77.8
Hot Water	Flow Rate	l/sec	34.4
	Pressure Drop	kPa	30.6
Fuel Consumption	Natural Gas	m ³ /hr.	78.6
	No. 2 Oil	l/hr.	75.1
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	6,000
	G1 (Includes Burner)	kg	2,060
	LiBr Solution Charge	kg	1,700
	Refrigerant (Water) Charge	kg	440
	Total	kg	10,200
Operating Weight		kg	11,150
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	600 x 290

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 330 usRT

- Model : **16DNH033 (330 usRT)**
 - Dimension(Length x Width x Height)
 - 4,780 x 2,077 x 2,381 mm
 - Net Weight : 10,740 kg
 - Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
- Employment of **SVEP**'s plate type heat exchanger for high efficiency



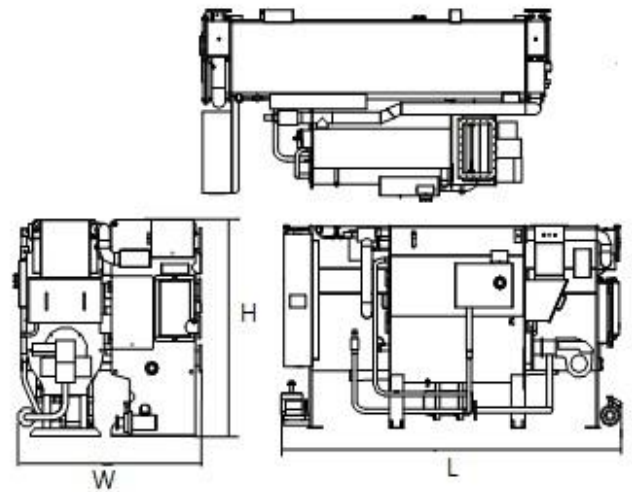
Specification

Cooling Capacity		kW	1161
Heating Capacity		kW	825
Chilled Water	Flow Rate	l/sec	50.0
	Pressure Drop	kPa	54.9
Cooling Water	Flow Rate	l/sec	83.3
	Pressure Drop	kPa	83.0
Hot Water	Flow Rate	l/sec	40.6
	Pressure Drop	kPa	32.6
Fuel Consumption	Natural Gas	m ³ /hr.	92.7
	No. 2 Oil	l/hr.	88.5
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	6,230
	G1 (Includes Burner)	kg	2,300
	LiBr Solution Charge	kg	1,780
	Refrigerant (Water) Charge	kg	430
	Total	kg	10,740
Operating Weight		kg	11,800
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	600 x 290

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 360 usRT

- Model : **16DNH036 (360 usRT)**
- Dimension(Length x Width x Height)
 - 4,798 x 2,298 x 2,630 mm
- Net Weight : 11,650 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SUPER**'s plate type heat exchanger for high efficiency



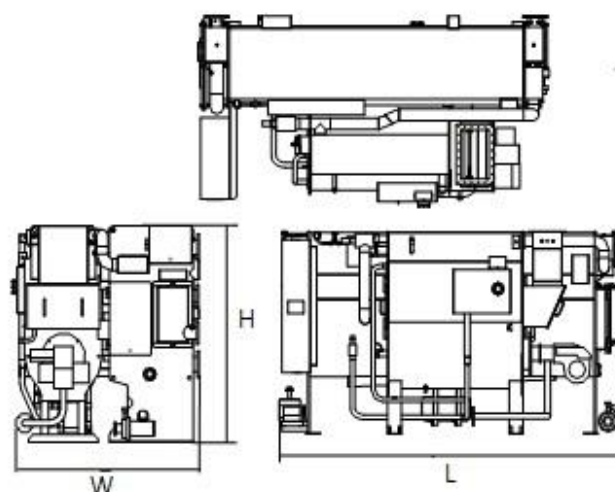
Specification

Cooling Capacity		kW	1,266
Heating Capacity		kW	900
Chilled Water	Flow Rate	l/sec	54.5
	Pressure Drop	kPa	54.2
Cooling Water	Flow Rate	l/sec	90.8
	Pressure Drop	kPa	90.9
Hot Water	Flow Rate	l/sec	44.3
	Pressure Drop	kPa	32.6
Fuel Consumption	Natural Gas	m ³ /hr.	101.1
	No. 2 Oil	l/hr.	96.6
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	6,690
	G1 (Includes Burner)	kg	2,650
	LiBr Solution Charge	kg	1,800
	Refrigerant (Water) Charge	kg	510
	Total	kg	11,650
Operating Weight		kg	12,920
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	650 x 348

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 400 usRT

- Model : **16DNH040 (400 usRT)**
- Dimension(Length x Width x Height)
 - 4,798 x 2,298 x 2,630 mm
- Net Weight : 12,560 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



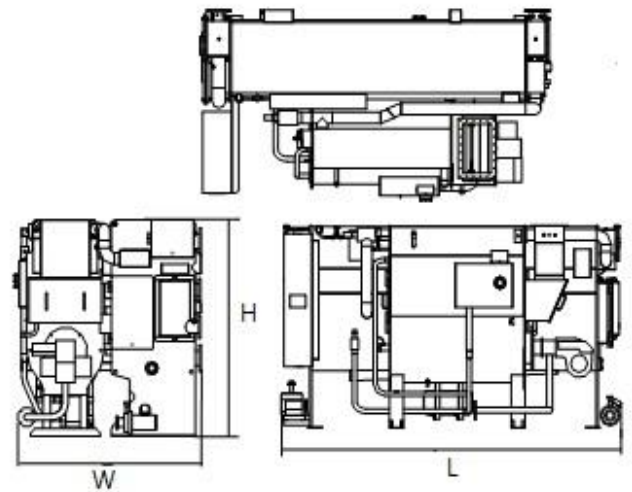
Specification

Cooling Capacity		kW	1,407
Heating Capacity		kW	1,000
Chilled Water	Flow Rate	l/sec	60.6
	Pressure Drop	kPa	55.7
Cooling Water	Flow Rate	l/sec	100.9
	Pressure Drop	kPa	95.2
Hot Water	Flow Rate	l/sec	49.2
	Pressure Drop	kPa	34.1
Fuel Consumption	Natural Gas	m ³ /hr.	112.4
	No. 2 Oil	l/hr.	107.3
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	7,190
	G1 (Includes Burner)	kg	2,970
	LiBr Solution Charge	kg	1,900
	Refrigerant (Water) Charge	kg	500
	Total	kg	12,560
Operating Weight		kg	13,910
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	650 x 348

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 450 usRT

- Model : **16DNH045 (450 usRT)**
- Dimension(Length x Width x Height)
 - 4,867 x 2,444 x 2,820 mm
- Net Weight : 15,470 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



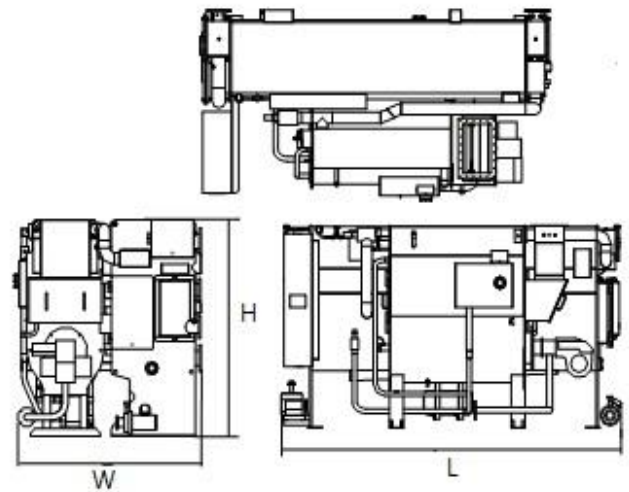
Specification

Cooling Capacity		kW	1,583
Heating Capacity		kW	1,124
Chilled Water	Flow Rate	l/sec	68.1
	Pressure Drop	kPa	54.1
Cooling Water	Flow Rate	l/sec	113.6
	Pressure Drop	kPa	83.9
Hot Water	Flow Rate	l/sec	55.3
	Pressure Drop	kPa	31.1
Fuel Consumption	Natural Gas	m ³ /hr.	126.4
	No. 2 Oil	l/hr.	120.7
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	8,820
	G1 (Includes Burner)	kg	3,600
	LiBr Solution Charge	kg	2,530
	Refrigerant (Water) Charge	kg	520
	Total	kg	15,470
Operating Weight		kg	17,010
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	10
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	670 x 406

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 500 usRT

- Model : **16DNH050 (500 usRT)**
- Dimension(Length x Width x Height)
 - 4,867 x 2,444 x 2,820 mm
- Net Weight : 16,120 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



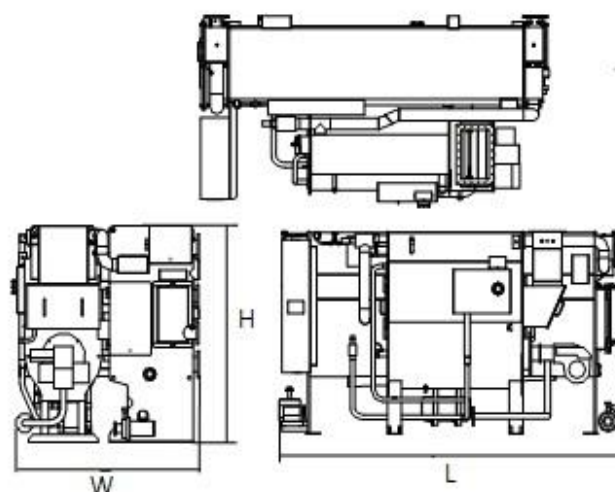
Specification

Cooling Capacity		kW	1,758
Heating Capacity		kW	1,248
Chilled Water	Flow Rate	l/sec	75.7
	Pressure Drop	kPa	54.5
Cooling Water	Flow Rate	l/sec	126.2
	Pressure Drop	kPa	86.8
Hot Water	Flow Rate	l/sec	61.5
	Pressure Drop	kPa	31.6
Fuel Consumption	Natural Gas	m ³ /hr.	140.4
	No. 2 Oil	l/hr.	134.1
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	8,990
	G1 (Includes Burner)	kg	3,960
	LiBr Solution Charge	kg	2,660
	Refrigerant (Water) Charge	kg	510
	Total	kg	16,120
Operating Weight		kg	17,780
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	10
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	670 x 406

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 600 usRT

- Model : **16DNH060 (600 usRT)**
- Dimension(Length x Width x Height)
 - 5,640 x 2,866 x 3,102 mm
- Net Weight : 22,470 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



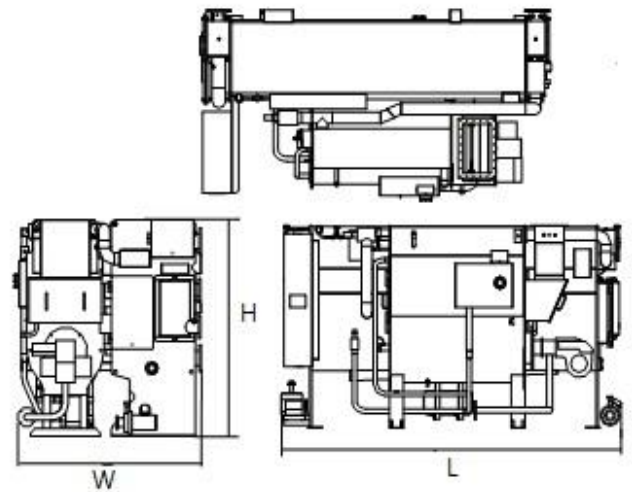
Specification

Cooling Capacity		kW	2,110
Heating Capacity		kW	1,498
Chilled Water	Flow Rate	l/sec	90.7
	Pressure Drop	kPa	48.8
Cooling Water	Flow Rate	l/sec	151.9
	Pressure Drop	kPa	76.3
Hot Water	Flow Rate	l/sec	73.8
	Pressure Drop	kPa	38.0
Fuel Consumption	Natural Gas	m ³ /hr.	168.5
	No. 2 Oil	l/hr.	160.9
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	13,450
	G1 (Includes Burner)	kg	4,770
	LiBr Solution Charge	kg	3,420
	Refrigerant (Water) Charge	kg	830
	Total	kg	22,470
Operating Weight		kg	24,980
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	12
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	780 x 406

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DNH Absorption Chiller – 660 usRT

- Model : **16DNH066 (660 usRT)**
- Dimension(Length x Width x Height)
 - 6,142 x 2,866 x 3,102 mm
- Net Weight : 23,990 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers
 - Employment of **SVEP**'s plate type heat exchanger for high efficiency



Specification

Cooling Capacity		kW	2,321
Heating Capacity		kW	1,648
Chilled Water	Flow Rate	l/sec	99.8
	Pressure Drop	kPa	63.6
Cooling Water	Flow Rate	l/sec	167.1
	Pressure Drop	kPa	99.8
Hot Water	Flow Rate	l/sec	81.2
	Pressure Drop	kPa	49.4
Fuel Consumption	Natural Gas	m ³ /hr.	185.4
	No. 2 Oil	l/hr.	177.0
Coefficient of Performance(COP)	Natural Gas	-	1.33
	No. 2 Oil	-	1.33
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	14,160
	G1 (Includes Burner)	kg	5,230
	LiBr Solution Charge	kg	3,700
	Refrigerant (Water) Charge	kg	900
	Total	kg	23,990
Operating Weight		kg	27,000
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	12
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	820 x 406

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.



16 DN Absorption Chiller (COP 1.11)

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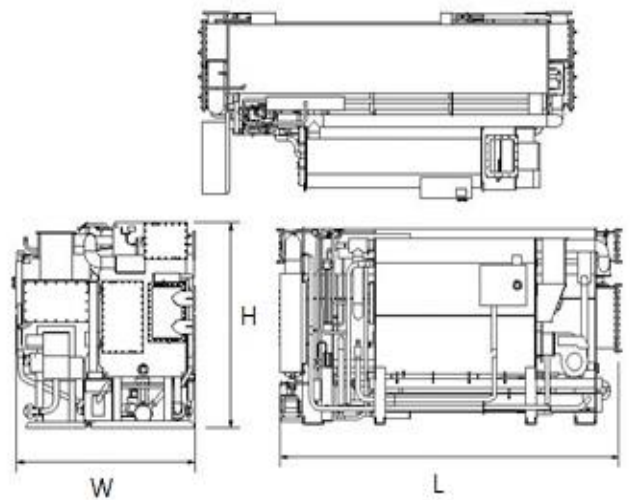
(Carrier Limited Korea)

8th~9th Floor, E.C.F.C. Building, 19-7, Nonhyun-dong, Gangnam-gu Seoul, Korea [135-010]

Telephone: +82-2-3441-2586, 8850, 2582 / Fax: +82-2-544-2583 / E-mail: OverseasSales@carrier.co.kr

16 DN Absorption Chiller – 100 usRT

- Model : **16DN010 (100 usRT)**
- Dimension(Length x Width x Height)
 - 2,966 x 1,797 x 2,082 mm
- Net Weight : 4,930 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



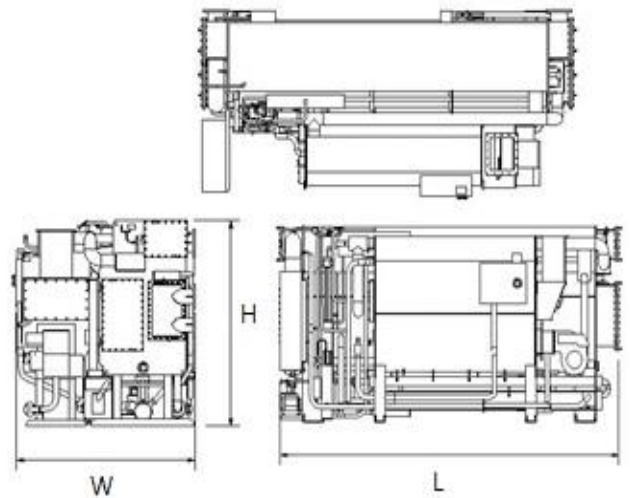
Specification

Cooling Capacity		kW	352
Heating Capacity		kW	294
Chilled Water	Flow Rate	ℓ/sec	15.1
	Pressure Drop	kPa	58.5
Cooling Water	Flow Rate	ℓ/sec	25.3
	Pressure Drop	kPa	42.0
Hot Water	Flow Rate	ℓ/sec	12.3
	Pressure Drop	kPa	34.8
Fuel Consumption	Natural Gas	m ³ /hr.	33.6
	No. 2 Oil	ℓ/hr.	32.1
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	3,050
	G1 (Includes Burner)	kg	1,080
	LiBr Solution Charge	kg	650
	Refrigerant (Water) Charge	kg	150
	Total	kg	4,930
Operating Weight		kg	5,330
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	4
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	3
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	280 x 210

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 120 usRT

- Model : **16DN012 (120 usRT)**
- Dimension(Length x Width x Height)
 - 2,966 x 1,797 x 2,082 mm
- Net Weight : 5,250 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



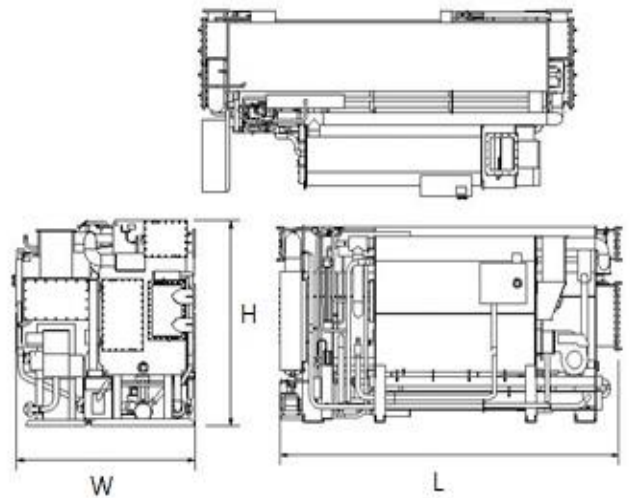
Specification

Cooling Capacity		kW	422
Heating Capacity		kW	352
Chilled Water	Flow Rate	ℓ/sec	18.1
	Pressure Drop	kPa	63.4
Cooling Water	Flow Rate	ℓ/sec	30.4
	Pressure Drop	kPa	46.1
Hot Water	Flow Rate	ℓ/sec	14.8
	Pressure Drop	kPa	38.4
Fuel Consumption	Natural Gas	m ³ /hr.	40.4
	No. 2 Oil	ℓ/hr.	38.6
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	3,170
	G1 (Includes Burner)	kg	1,240
	LiBr Solution Charge	kg	700
	Refrigerant (Water) Charge	kg	140
	Total	kg	5,250
Operating Weight		kg	5,700
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	4
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	3
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	280 x 210

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller –150 usRT

- Model : **16DN015 (150 usRT)**
- Dimension(Length x Width x Height)
 - 3,638 x 1,830 x 2,056 mm
- Net Weight : 6,180 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



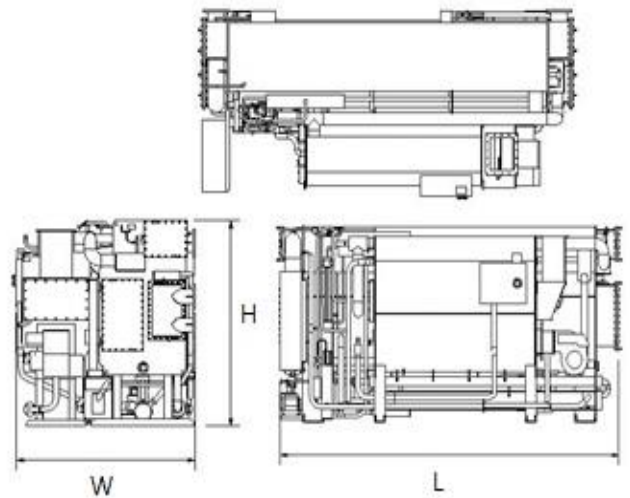
Specification

Cooling Capacity		kW	528
Heating Capacity		kW	440
Chilled Water	Flow Rate	ℓ/sec	22.7
	Pressure Drop	kPa	75.0
Cooling Water	Flow Rate	ℓ/sec	37.9
	Pressure Drop	kPa	63.6
Hot Water	Flow Rate	ℓ/sec	18.4
	Pressure Drop	kPa	44.1
Fuel Consumption	Natural Gas	m ³ /hr.	50.5
	No. 2 Oil	ℓ/hr.	48.2
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	3,770
	G1 (Includes Burner)	kg	1,290
	LiBr Solution Charge	kg	880
	Refrigerant (Water) Charge	kg	240
	Total	kg	6,180
Operating Weight		kg	6,680
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	280 x 210

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 180 usRT

- Model : **16DN018 (180 usRT)**
- Dimension(Length x Width x Height)
 - 3,638 x 1,830 x 2,056 mm
- Net Weight : 6,555 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



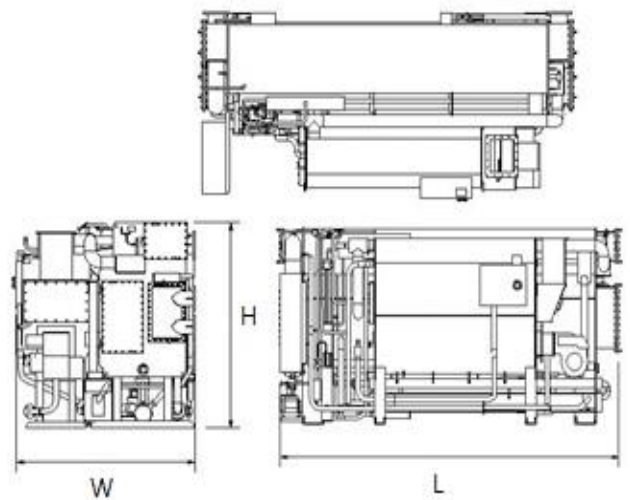
Specification

Cooling Capacity		kW	633
Heating Capacity		kW	528
Chilled Water	Flow Rate	ℓ/sec	27.3
	Pressure Drop	kPa	81.2
Cooling Water	Flow Rate	ℓ/sec	45.4
	Pressure Drop	kPa	72.9
Hot Water	Flow Rate	ℓ/sec	22.1
	Pressure Drop	kPa	48.6
Fuel Consumption	Natural Gas	m ³ /hr.	60.6
	No. 2 Oil	ℓ/hr.	57.8
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	4,010
	G1 (Includes Burner)	kg	1,340
	LiBr Solution Charge	kg	970
	Refrigerant (Water) Charge	kg	235
	Total	kg	6,555
Operating Weight		kg	7,120
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	4
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	5
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	280 x 210

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 210 usRT

- Model : **16DN021 (210 usRT)**
- Dimension(Length x Width x Height)
 - 3,679 x 2,034 x 2,313 mm
- Net Weight : 7,550 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



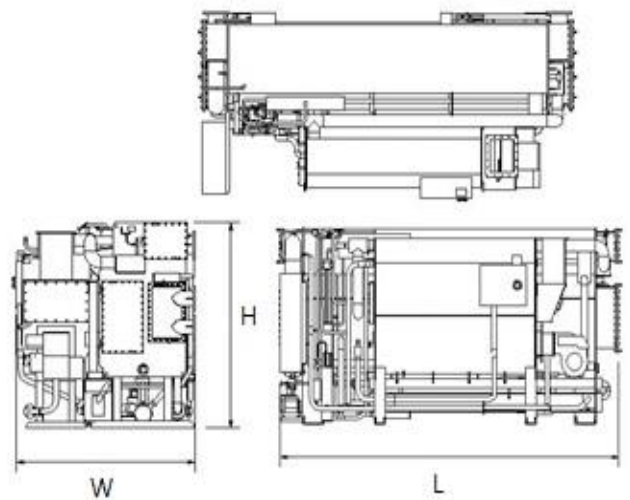
Specification

Cooling Capacity		kW	739
Heating Capacity		kW	616
Chilled Water	Flow Rate	ℓ/sec	31.8
	Pressure Drop	kPa	77.9
Cooling Water	Flow Rate	ℓ/sec	53.0
	Pressure Drop	kPa	51.3
Hot Water	Flow Rate	ℓ/sec	25.8
	Pressure Drop	kPa	45.6
Fuel Consumption	Natural Gas	m ³ /hr.	70.7
	No. 2 Oil	ℓ/hr.	67.5
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	4,620
	G1 (Includes Burner)	kg	1,450
	LiBr Solution Charge	kg	1,170
	Refrigerant (Water) Charge	kg	310
	Total	kg	7,550
Operating Weight		kg	8,270
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	5
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	6
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	310 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 240 usRT

- Model : **16DN024 (240 usRT)**
- Dimension(Length x Width x Height)
 - 3,679 x 2,034 x 2,313 mm
- Net Weight : 8,130 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



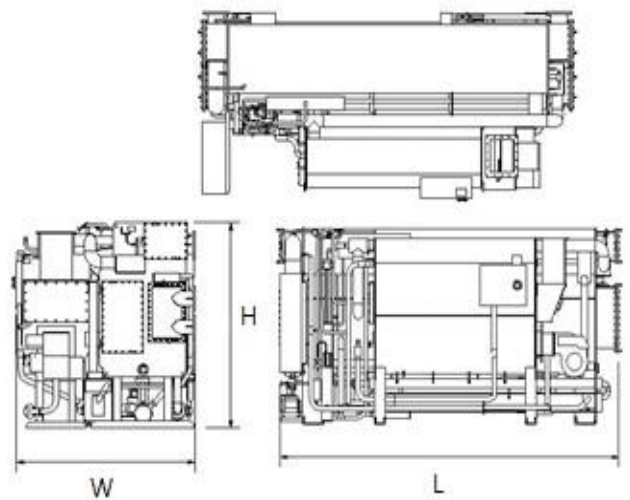
Specification

Cooling Capacity		kW	844
Heating Capacity		kW	704
Chilled Water	Flow Rate	ℓ/sec	36.3
	Pressure Drop	kPa	79.7
Cooling Water	Flow Rate	ℓ/sec	60.6
	Pressure Drop	kPa	57.0
Hot Water	Flow Rate	ℓ/sec	29.5
	Pressure Drop	kPa	47.3
Fuel Consumption	Natural Gas	m ³ /hr.	80.7
	No. 2 Oil	ℓ/hr.	77.1
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	4,930
	G1 (Includes Burner)	kg	1,660
	LiBr Solution Charge	kg	1,240
	Refrigerant (Water) Charge	kg	300
	Total	kg	8,130
Operating Weight		kg	8,930
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	5
	No. Passes	-	3
Cooling Water	Pipe Connection Size	in	6
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	310 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 280 usRT

- Model : **16DN028 (280 usRT)**
- Dimension(Length x Width x Height)
 - 4,780 x 2,072 x 2,381 mm
- Net Weight : 9,860 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



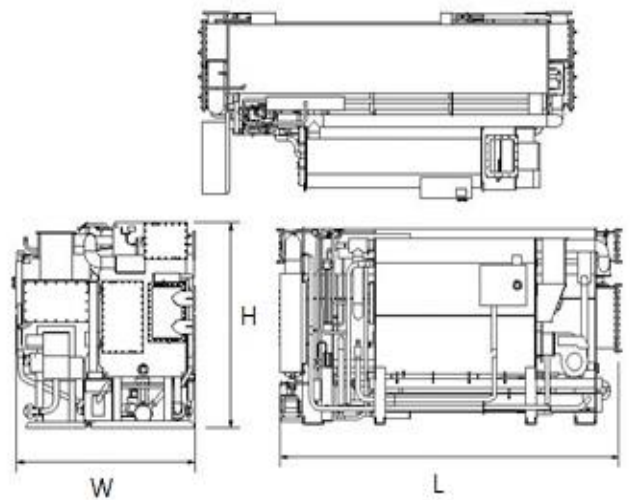
Specification

Cooling Capacity		kW	985
Heating Capacity		kW	821
Chilled Water	Flow Rate	ℓ/sec	42.4
	Pressure Drop	kPa	52.4
Cooling Water	Flow Rate	ℓ/sec	70.7
	Pressure Drop	kPa	77.8
Hot Water	Flow Rate	ℓ/sec	34.4
	Pressure Drop	kPa	30.6
Fuel Consumption	Natural Gas	m ³ /hr.	94.2
	No. 2 Oil	ℓ/hr.	90.0
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	5,870
	G1 (Includes Burner)	kg	1,820
	LiBr Solution Charge	kg	1,730
	Refrigerant (Water) Charge	kg	440
	Total	kg	9,860
Operating Weight		kg	10,810
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	310 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 330 usRT

- Model : **16DN033 (330 usRT)**
- Dimension(Length x Width x Height)
 - 4,780 x 2,072 x 2,381 mm
- Net Weight : 10,410 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



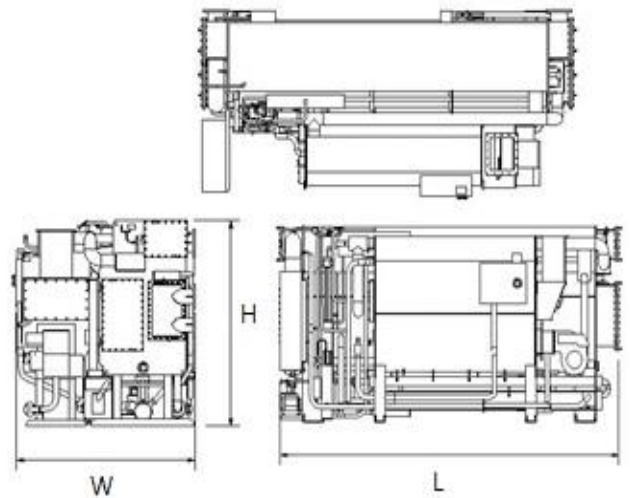
Specification

Cooling Capacity		kW	1,161
Heating Capacity		kW	968
Chilled Water	Flow Rate	ℓ/sec	50.0
	Pressure Drop	kPa	54.9
Cooling Water	Flow Rate	ℓ/sec	83.3
	Pressure Drop	kPa	83.0
Hot Water	Flow Rate	ℓ/sec	40.6
	Pressure Drop	kPa	32.6
Fuel Consumption	Natural Gas	m ³ /hr.	111.0
	No. 2 Oil	ℓ/hr.	106.0
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	6,100
	G1 (Includes Burner)	kg	2,060
	LiBr Solution Charge	kg	1,820
	Refrigerant (Water) Charge	kg	430
	Total	kg	10,410
Operating Weight		kg	11,470
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	310 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 360 usRT

- Model : **16DN036 (360 usRT)**
- Dimension(Length x Width x Height)
 - 4,780 x 2,299 x 2,630 mm
- Net Weight : 11,230 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



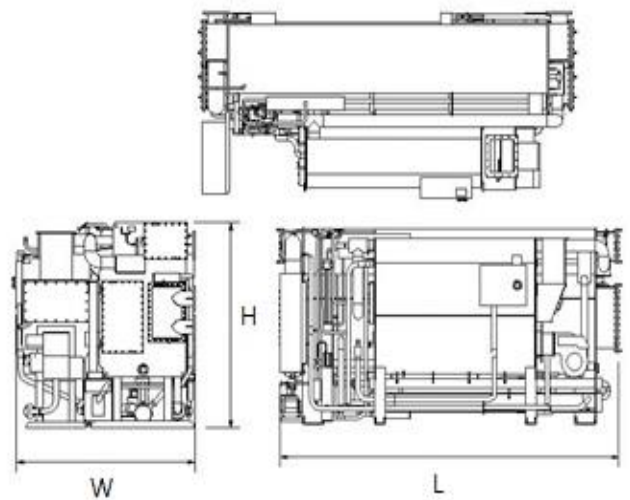
Specification

Cooling Capacity		kW	1,266
Heating Capacity		kW	1,055
Chilled Water	Flow Rate	ℓ/sec	54.5
	Pressure Drop	kPa	54.2
Cooling Water	Flow Rate	ℓ/sec	90.8
	Pressure Drop	kPa	90.9
Hot Water	Flow Rate	ℓ/sec	44.3
	Pressure Drop	kPa	32.6
Fuel Consumption	Natural Gas	m ³ /hr.	121.1
	No. 2 Oil	ℓ/hr.	115.7
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	6,520
	G1 (Includes Burner)	kg	2,370
	LiBr Solution Charge	kg	1,830
	Refrigerant (Water) Charge	kg	510
	Total	kg	11,230
Operating Weight		kg	12,510
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	360 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 400 usRT

- Model : **16DN040 (400 usRT)**
- Dimension(Length x Width x Height)
 - 4,780 x 2,299 x 2,630 mm
- Net Weight : 12,150 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



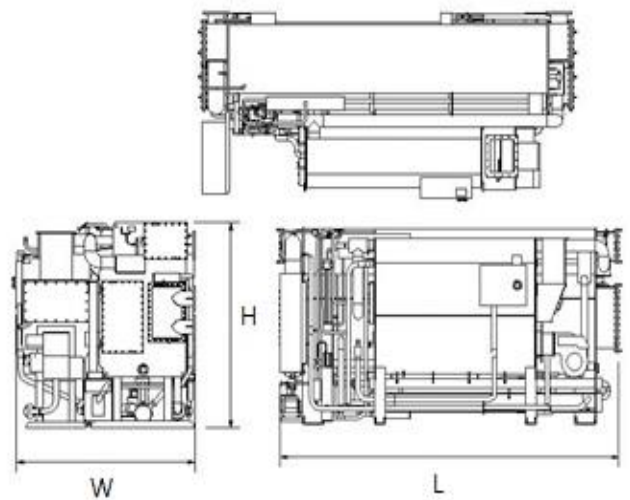
Specification

Cooling Capacity		kW	1,407
Heating Capacity		kW	1,173
Chilled Water	Flow Rate	ℓ/sec	60.6
	Pressure Drop	kPa	55.7
Cooling Water	Flow Rate	ℓ/sec	100.9
	Pressure Drop	kPa	95.2
Hot Water	Flow Rate	ℓ/sec	49.2
	Pressure Drop	kPa	34.1
Fuel Consumption	Natural Gas	m ³ /hr.	134.6
	No. 2 Oil	ℓ/hr.	128.5
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	7,020
	G1 (Includes Burner)	kg	2,690
	LiBr Solution Charge	kg	1,940
	Refrigerant (Water) Charge	kg	500
	Total	kg	12,150
Operating Weight		kg	13,500
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	6
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	8
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	360 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 450 usRT

- Model : **16DN045 (450 usRT)**
- Dimension(Length x Width x Height)
 - 4,867 x 2,493 2,820 mm
- Net Weight : 15,010 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



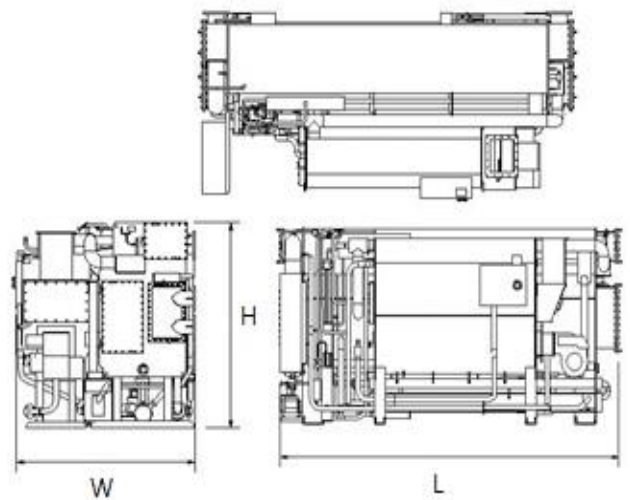
Specification

Cooling Capacity		kW	1,583
Heating Capacity		kW	1,319
Chilled Water	Flow Rate	ℓ/sec	68.1
	Pressure Drop	kPa	54.1
Cooling Water	Flow Rate	ℓ/sec	113.6
	Pressure Drop	kPa	83.9
Hot Water	Flow Rate	ℓ/sec	55.3
	Pressure Drop	kPa	31.1
Fuel Consumption	Natural Gas	m ³ /hr.	151.4
	No. 2 Oil	ℓ/hr.	144.6
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	8,680
	G1 (Includes Burner)	kg	3,240
	LiBr Solution Charge	kg	2,570
	Refrigerant (Water) Charge	kg	520
	Total	kg	15,010
Operating Weight		kg	16,550
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	10
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	410 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 500 usRT

- Model : **16DN050 (500 usRT)**
- Dimension(Length x Width x Height)
 - 4,867 x 2,493 2,820 mm
- Net Weight : 15,660 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



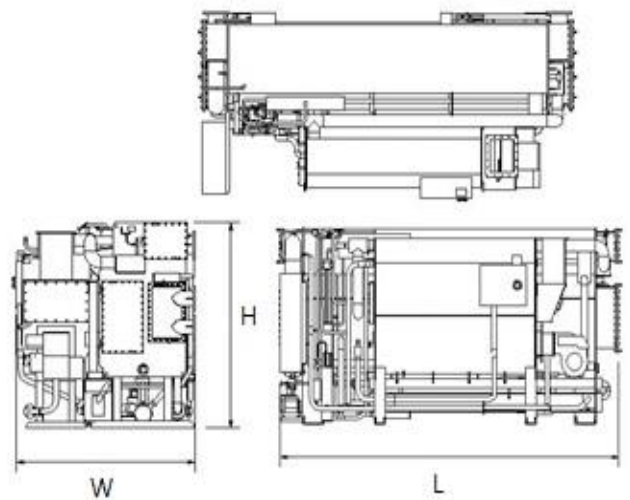
Specification

Cooling Capacity		kW	1,758
Heating Capacity		kW	1,466
Chilled Water	Flow Rate	ℓ/sec	75.7
	Pressure Drop	kPa	54.5
Cooling Water	Flow Rate	ℓ/sec	126.2
	Pressure Drop	kPa	86.8
Hot Water	Flow Rate	ℓ/sec	61.5
	Pressure Drop	kPa	31.6
Fuel Consumption	Natural Gas	m ³ /hr.	168.2
	No. 2 Oil	ℓ/hr.	160.6
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	8,850
	G1 (Includes Burner)	kg	3,600
	LiBr Solution Charge	kg	2,700
	Refrigerant (Water) Charge	kg	510
	Total	kg	15,660
Operating Weight		kg	17,320
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	10
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	1.5
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	410 x 310

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 560 usRT

- Model : **16DN056 (560 usRT)**
- Dimension(Length x Width x Height)
 - 5,088 x 2,905 x 3,102 mm
- Net Weight : 19,590 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



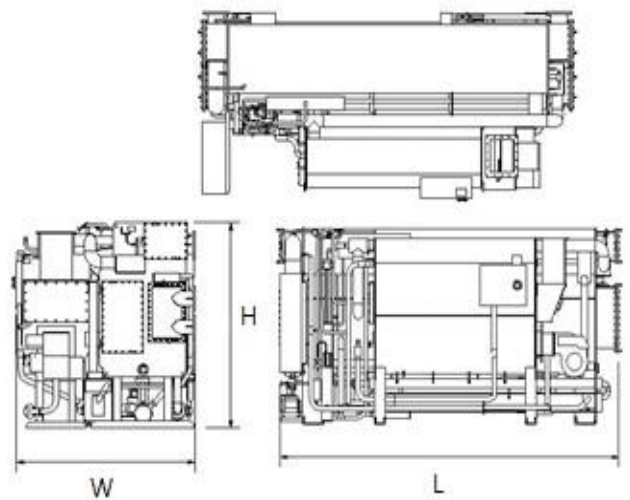
Specification

Cooling Capacity		kW	1,969
Heating Capacity		kW	1,644
Chilled Water	Flow Rate	ℓ/sec	84.7
	Pressure Drop	kPa	36.9
Cooling Water	Flow Rate	ℓ/sec	141.8
	Pressure Drop	kPa	56.6
Hot Water	Flow Rate	ℓ/sec	68.9
	Pressure Drop	kPa	29.0
Fuel Consumption	Natural Gas	m ³ /hr.	188.4
	No. 2 Oil	ℓ/hr.	179.9
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	11,370
	G1 (Includes Burner)	kg	4,670
	LiBr Solution Charge	kg	3,100
	Refrigerant (Water) Charge	kg	450
	Total	kg	19,590
Operating Weight		kg	22,320
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	12
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	2
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	500 x 350

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 600 usRT

- Model : **16DN060 (600 usRT)**
- Dimension(Length x Width x Height)
 - 5,640 x 2,905 x 3,102 mm
- Net Weight : 21,080 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



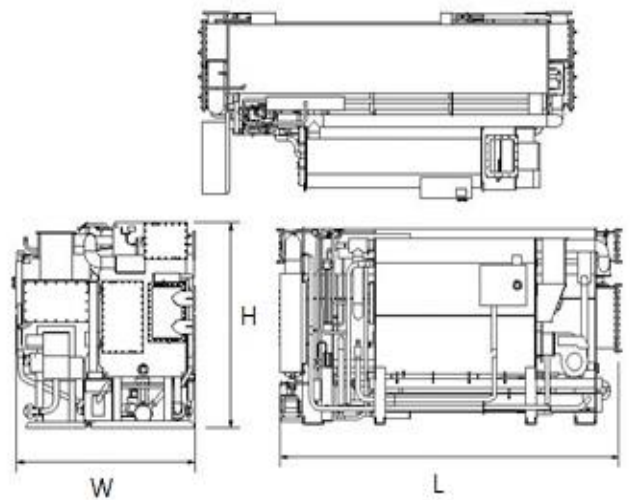
Specification

Cooling Capacity		kW	2,110
Heating Capacity		kW	1,762
Chilled Water	Flow Rate	ℓ/sec	90.7
	Pressure Drop	kPa	48.8
Cooling Water	Flow Rate	ℓ/sec	151.9
	Pressure Drop	kPa	76.3
Hot Water	Flow Rate	ℓ/sec	73.8
	Pressure Drop	kPa	38.0
Fuel Consumption	Natural Gas	m ³ /hr.	201.9
	No. 2 Oil	ℓ/hr.	192.8
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	12,520
	G1 (Includes Burner)	kg	4,670
	LiBr Solution Charge	kg	3,440
	Refrigerant (Water) Charge	kg	450
	Total	kg	21,080
Operating Weight		kg	23,800
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	12
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	2
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	500 x 350

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 630 usRT

- Model : **16DN063 (630 usRT)**
- Dimension(Length x Width x Height)
 - 5,640 x 2,905 x 3,102 mm
- Net Weight : 21,250 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



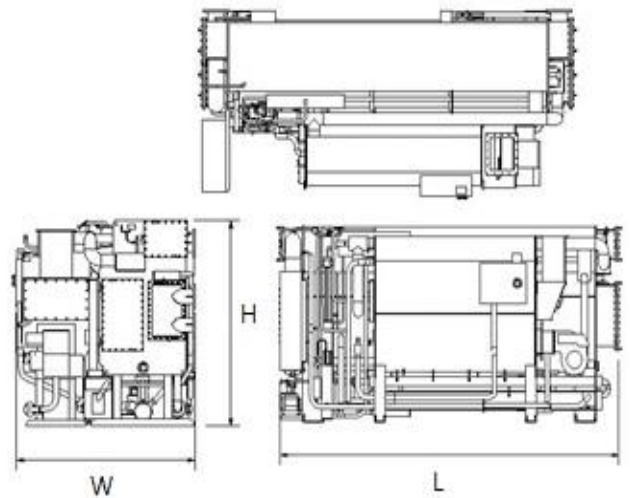
Specification

Cooling Capacity		kW	2,216
Heating Capacity		kW	1,850
Chilled Water	Flow Rate	ℓ/sec	95.3
	Pressure Drop	kPa	49.9
Cooling Water	Flow Rate	ℓ/sec	159.5
	Pressure Drop	kPa	77.1
Hot Water	Flow Rate	ℓ/sec	77.5
	Pressure Drop	kPa	39.1
Fuel Consumption	Natural Gas	m ³ /hr.	212.0
	No. 2 Oil	ℓ/hr.	202.4
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	12,690
	G1 (Includes Burner)	kg	4,670
	LiBr Solution Charge	kg	3,440
	Refrigerant (Water) Charge	kg	450
	Total	kg	21,250
Operating Weight		kg	24,080
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	12
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	2
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	500 x 350

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

16 DN Absorption Chiller – 660 usRT

- Model : **16DN066 (660 usRT)**
- Dimension(Length x Width x Height)
 - 6,142 x 2,905 x 3,102 mm
- Net Weight : 22,970 kg
- Features
 - Alternative-energy chiller/heater
 - Direct-fired, high-efficiency and double effect absorption cooling cycle
 - Superior part-load performance
 - Operation in the heating mode for additional savings
 - Ideal for new or retrofit applications
 - Combined use of absorption and electric-driven chillers



Specification

Cooling Capacity		kW	2,321
Heating Capacity		kW	1,938
Chilled Water	Flow Rate	ℓ/sec	99.8
	Pressure Drop	kPa	63.6
Cooling Water	Flow Rate	ℓ/sec	167.1
	Pressure Drop	kPa	99.8
Hot Water	Flow Rate	ℓ/sec	81.2
	Pressure Drop	kPa	49.4
Fuel Consumption	Natural Gas	m ³ /hr.	222.1
	No. 2 Oil	ℓ/hr.	212.0
Coefficient of Performance(COP)	Natural Gas	-	1.11
	No. 2 Oil	-	1.11
Rigging Weight	Absorber/Evaporator/ G2/ Condenser	kg	13,740
	G1 (Includes Burner)	kg	4,910
	LiBr Solution Charge	kg	3,820
	Refrigerant (Water) Charge	kg	500
	Total	kg	22,970
Operating Weight		kg	25,800
Chilled/Hot Water (Evap.)	Pipe Connection Size	in	8
	No. Passes	-	2
Cooling Water	Pipe Connection Size	in	12
	No. Passes	Absorber	2
		Condenser	1
Gas-Train Inlet	Standard Pipe Connection Size	in	2
Exhaust Gas Outlet	Nominal Flange Connection Size	mm	500 x 350

- Note)**
1. G1-High Temperature Generator, G2-Low Temperature Generator
 2. Ratings are based on ARI 560, latest edition, 12.2/6.7 C (.043 L/s-kW) chilled water; 29.4 C (.072 L/s-kW) cooling water; 54.4/60C hot water; fouling factor. 000044 m²-hr-°C/W for absorber and condenser, .0000176 m²-hr-°C/W for evaporator; natural gas heating value 8899 kcal/m³ (LHV); No 2 oil heating value 9320 kcal/L Higher Heating Capacity is available.
 3. Specifications are subject to change.

