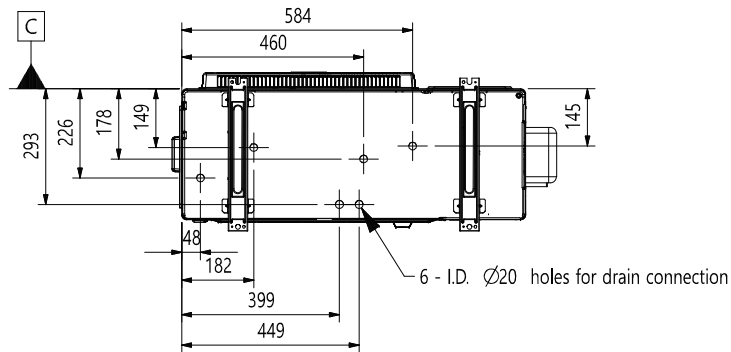
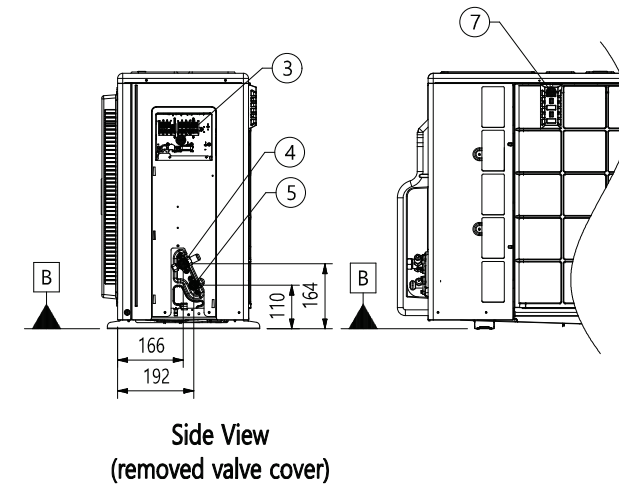
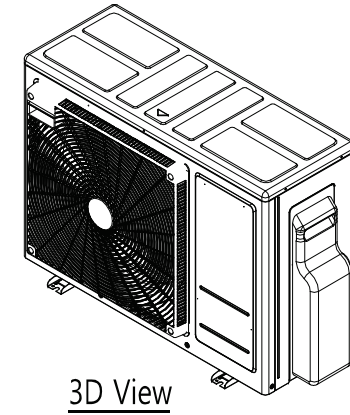
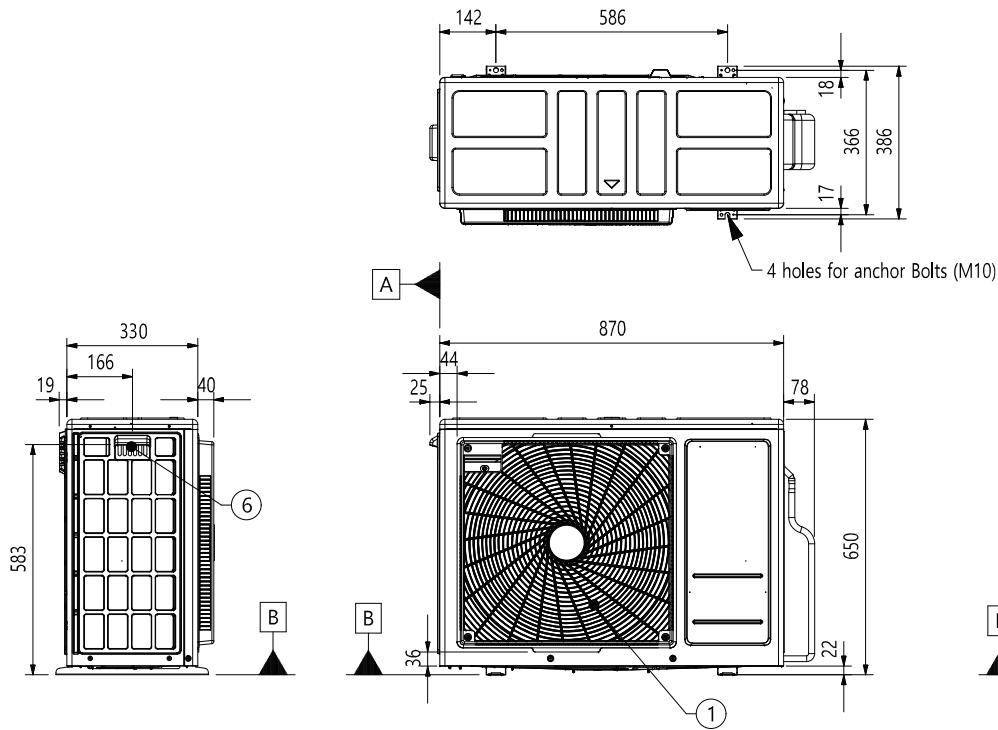


[Unit: mm]

Chassis code : U24A

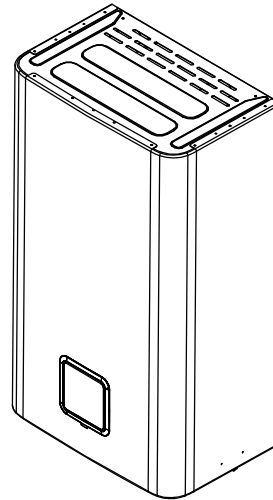
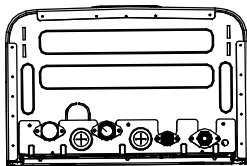
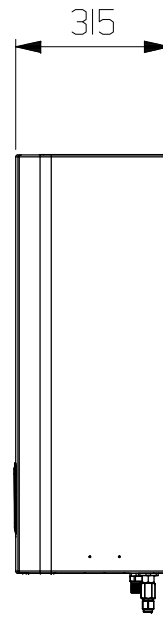
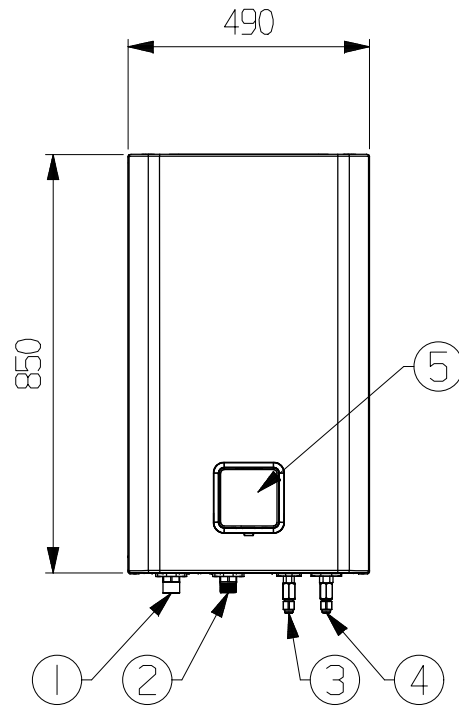
DWG No. : TBW35992101\_Rev.00



7	Intake air temperature sensor cover	—
6	Handle	—
5	Liquid Pipe Connection	—
4	Gas Pipe Connection	—
3	Power and communication cable connection	—
2	Control cover & SVC valve cover	—
1	Air Outlet	—
No.	Part Name	Description

Model Name		Unit	ZHUW046A0 [HU041MR U20]	ZHUW066A0 [HU061MR U20]
Classification	Chassis	-	U24A	U24A
Operation Range(Outdoor Temperature)	Cooling(Min ~ Max)	°C(DB)	5 ~ 48	5 ~ 48
	Heating(Min ~ Max)	°C(DB)	-20 ~ 35	-20 ~ 35
Fan	Type	-	Propeller	Propeller
	Air Flow Rate(Rated)	m <sup>3</sup> /min x No.	50 x 1	50 x 1
Fan Motor	Type	-	BLDC	BLDC
	Output	W x No.	85 x 1	85 x 1
Compressor	Type	-	Twin Rotary	Twin Rotary
	Model x No.	-	DKT208MAB × 1	DKT208MAB × 1
	Piston Displacement	cm <sup>3</sup> /rev	20.8	20.8
	Motor Type	-	BLDC	BLDC
Refrigerant	Type	-	R32	R32
	Precharged Amount	kg	1.1	1.1
	Additional Charging amount	g/m	20	20
	GWP(Global Warming Potential)	-	675	675
	t-CO <sub>2</sub> eq.	-	0.743	0.743
	Chargeless-Pipe Length	m	10	10
	Control Type	-	EEV	EEV
Refrigerant Oil	Type	-	FW68D	FW68D
	Charged Volume	cc x No.	670 x 1	670 x 1
Heat Exchanger	Rows x Columns x FPI	-	2 × 28 × 14	2 × 28 × 14
	No.	-	1	1
	Fin Type	-	Wide Louver Plus	Wide Louver Plus
Refrigerant Piping Connection	Liquid	mm(inch)	Φ6.35 (1/4)	Φ6.35 (1/4)
	Gas	mm(inch)	Φ12.7 (1/2)	Φ12.7 (1/2)
	Connection Type(Liquid)	-	Flare	Flare
	Connection Type(Gas)	-	Flare	Flare
Dimensions	Net(W x H x D)	mm	870 x 650 x 330	870 x 650 x 330
	Shipping(W x H x D)	mm	1,041 x 693 x 456	1,041 x 693 x 456
Weight	Net	kg	44.7	44.7
	Shipping	kg	48.5	48.5
Exterior	Color	-	Warm Gray	Warm Gray
	RAL Code	-	RAL 7044	RAL 7044
Piping Length	Rated / Max	m	5 / 30	5 / 30
Maximum Height Difference	IDU - ODU(Max)	m	30	30
Connecting Cable	Power Supply Cable(H07RN-F)	mm <sup>2</sup> × cores	2.5 x 3C	2.5 x 3C

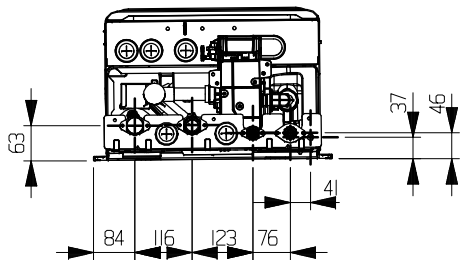
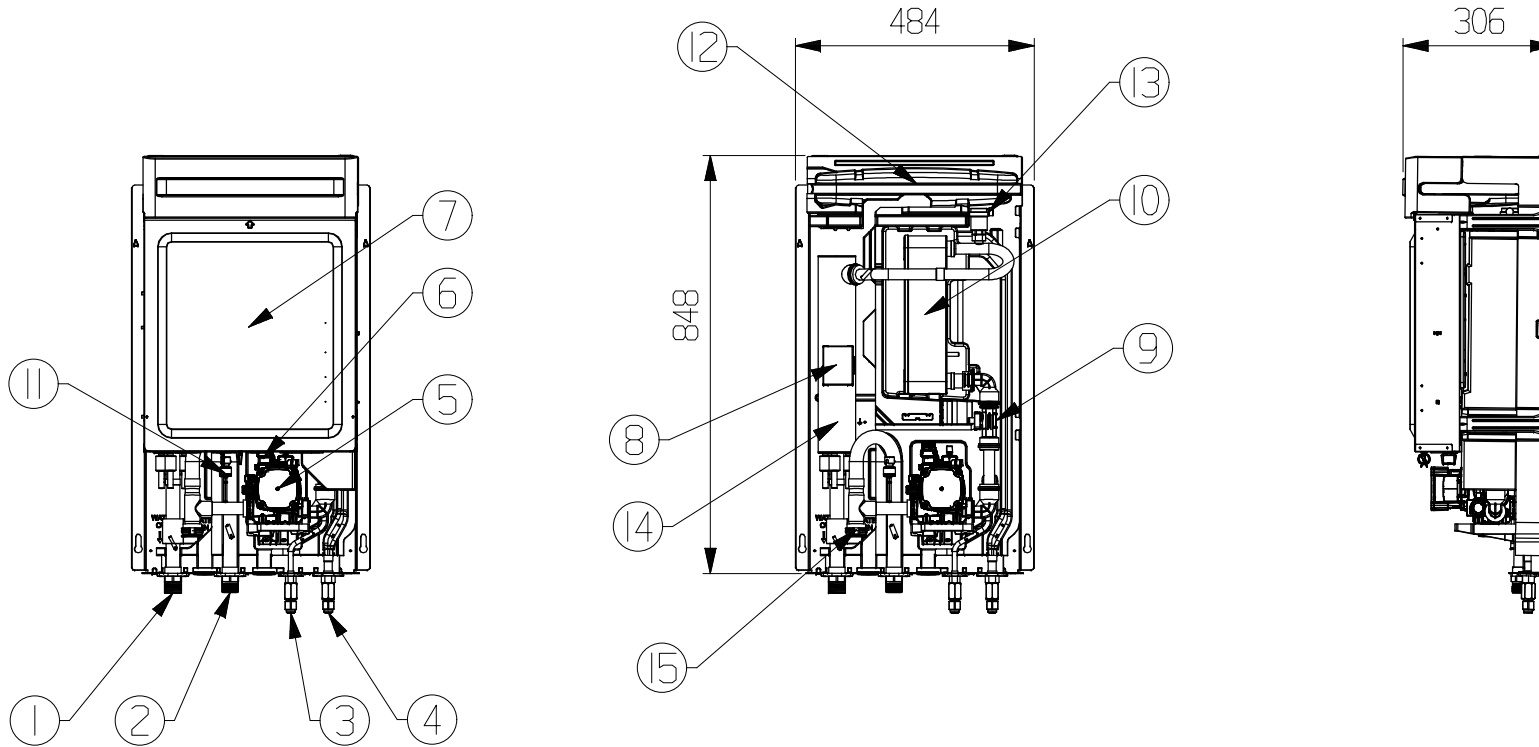
[Unit: mm]  
 Chassis : K1  
 P/No. : TBJ37805701\_rev.00



1) When connecting the refrigerant pipe, the adaptors provided with the outdoor unit must be installed on the connection of the indoor unit.

5	Control Panel	Built-in Remote Controller
4	Refrigerant Piping connection	∅ 12.7" mm
3	Refrigerant Piping connection	∅ 6.35" mm
2	Entering Water Pipe	Male PT 1 inch
1	Leaving Water Pipe	Male PT 1 inch
No.	Part Name	Description

[Unit: mm]  
 Chassis : K1  
 P/No. : TBJ37805701\_rev.00



15	Strainer	Filtering and stacking particles inside circulating water
14	Backup Heater	3 kW
13	Air Vent	Air purging when charging water
12	Expansion Tank	Absorbing Volume change of heated water
11	Water Pressure Sensor	SENSATA 2HMP3-04W 0-2MPa
10	Plate Heat Exchanger	Heat exchange between refrigerant and water
9	Flow Sensor	SIKA VVX20 5-80 LPM
8	Thermostat	Cut-off power input to electric heater at 90°C
7	Control Box	PCB and terminal blocks
6	Safety Valve	Open at water pressure 3 bar
5	Water Pump	GRUNDFOS UPM3K 20-75 CHBL
4	Refrigerant Piping connection	∅ 12.7 <sup>th</sup> mm
3	Refrigerant Piping connection	∅ 6.35 <sup>th</sup> mm
2	Entering Water Pipe	Male PT 1 inch
1	Leaving Water Pipe	Male PT 1 inch
No.	Part Name	Description

1) When connecting the refrigerant pipe, the adaptors provided with the outdoor unit must be installed on the connection of the indoor unit.

Category		Unit	Specification
Major	Minor		
Classification	Chassis	-	K1
Current	Current(MAX)	A	0.6
Cooling Operation Range(Leaving Water)	For Fan Coil Unit(Min ~ Max)	°C	5 ~ 27
	For under floor(Min ~ Max)	°C	16 ~ 27
Heating Operation Range(Leaving Water)	Space Heating(Min ~ Max)	°C	15 ~ 55
	Domestic Hot Water(Min ~ Max)	°C	15 ~ 80*
Water Pump	Type	-	Canned type for hot water circulation
	Model (Maker,Name)	-	GRUNDFOS(UPM3K 20-75 CHBL)
	Motor type	-	BLDC
	Steps of Pumping Performance	-	10~ 100%(19 Steps)
	Power input(Min~Max)	W	3~60
	Max. Head	m	7.5
Expansion Tank	Volume(Max)	ℓ	8
	Water Pressure(Max)	bar	3
	Water Pressure(Pre-charged)	bar	1
Strainer	Mesh size	mesh	30
	Max. particle size	mm	0.6
	Material	-	STS304
Safety Valve (Water cycle)	Pressure Limit(Upper Limit)	bar	3
Flow Sensor	Type	-	Vortex
	Model (Maker,Name)	-	SIKA VVX20
	Measuring Range (Min~Max)	ℓ/min	5~80
Water Pressure Sensor	Model (Maker,Name)	-	SENSATA
	Measuring Range (Min~Max)	bar(G)	0 ~ 20
Electric Backup Heater	Type	-	Sheath
	Power Supply	V, Φ, Hz	220-240, 1, 50
	Number of Heating Coil	EA	2
	Capacity Combination	kW	1.5 + 1.5
	Heating Steps	Step	2
	Rated Current	A	13.0
	Power Supply Cable(H07RN-F)	mm <sup>2</sup> × cores	2.5 x 3C
Heat Exchanger(Refrigerant to Water)	Type	-	Brazed Plate HEX(SWEP, QD20H)
	Quantity	EA	1
	Number of Plate	Sheet	52
	Water Volume	ℓ	0.7
Refrigerant Piping Connection	Liquid	mm(inch)	Φ6.35 (1/4)**
	Gas	mm(inch)	Φ12.7 (1/2)**
	Connection Type(Liquid)	-	Flare
	Connection Type(Gas)	-	Flare
Water Connecting Pipes	Inlet	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)
	Outlet	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)
Sound Power Level	Heating(Rated)	dB(A)	44.0
Dimensions	Net(W x H x D)	mm	490 x 850 x 315
	Shipping(W x H x D)	mm	563 x 1,082 x 375
Weight	Net	kg	37.8
	Shipping	kg	42.3
Exterior	Color	-	Noble White
	RAL Code	-	RAL 9016
Connecting Cable	Power and Communication cable(H07RN-F)	mm <sup>2</sup> × cores	0.75 x 4C