

Buitenunit model		HU123MA U33	HU143MA U33	HU163MA U33
Productgroep		350	350	350
Artikelnummer		459.571	459.572	459.573
Prijs	€			
Chassis code		U3	U3	U3
Koelcapaciteit A35 / W18/7°C (Nom.)	kW	10,40/7,94	12,00/8,50	13,00/8,92
Verwarmingscapaciteit A7 / W35/55°C (Nom.)	kW	12,00/12,00	14,00/14,00	16,00/16,00
Verwarmingscapaciteit A-10/W35/55°C (Nom.)	kW	12,08/11,80	13,50/12,80	14,00/12,90
Geluidsvermogen (Low noise/Nominaal/Maximaal)	dB(A)	61/63	62/64	63/65
Geluidsdrukniveau (Nominaal)	dB(A)	44	44	44
Buiten temperatuurbereik koelen/verwarmen	°C	5-48/-25-48	5-48/-25-48	5-48/-25-48
Luchthoeveelheid	M³/h	6.600	6.600	6.600
Afmetingen (BxDxH)	mm	950x330x1.380	950x330x1.380	950x330x1.380
Gewicht	kg	85	85	85

Elektrische gegevens

Voeding	Ø/V/Hz	3/400/50	3/400/50	3/400/50
Voedingskabel	Q	5 x 2,5 mm²	5 x 2,5 mm²	5 x 2,5 mm²
Opgenomen vermogen koelen (A35/W18/7°C)	kW	2,60/2,66	3,08/3,02	3,60/2,53
Opgenomen vermogen verwarmen (A7/W35/55°C)	kW	2,64/4,31	3,17/4,51	3,76/4,71
Werkvermogen	kW	4,00	4,66	5,33
Max. vermogen	kW	5,84	5,84	5,84
Afzekerwaarde warmtepomp	A	C20	C20	C20
Communicatiekabel binnenunit/buitenunit	Q x mm²	5x2,5 mm²	5x2,5 mm²	5x2,5 mm²

Hydrokit model		HN1636M NK5	HN1636M NK5	HN1636M NK5
Artikelnummer		459.547	459.547	459.547
Prijs	€			
Chassis code		NK5	NK5	NK5
Afmetingen (BxDxH)	mm	490x315x850	490x315x850	490x315x850
Gewicht	kg	41	41	41

Waterzijdige gegevens

Watertemperatuurbereik koelen / vloerkoeling	°C	5-27/15-57	5-27/15-57	5-27/15-57
Watertemperatuurbereik verwarmen+heater	°C	15 ~80	15 ~80	15 ~80
Intrede / Uittrede aansluiting	Inch	1" Bu / 1" Bu	1" Bu / 1" Bu	1" Bu / 1" Bu
Platenwisselaar Water/R410A / Drukverlies	Q / kPa	1x76 platen / 20	1x76 platen / 20	1x76 platen / 20
Circulatiepomp		RS 25/8	RS 25/8	RS 25/8
Waterhoeveelheid Min./Max.	l/min - M³/h	36/60 - 2,16/3,60	42/60 - 2,52/3,60	48/60 - 2,88/3,60
Expansievat Inhoud-voordruk	Ltr/Bar	8/1,0	8/1,0	8/1,0

Elektrische gegevens

Voeding Hydrokit/Boiler heater/back-up heater	Ø/V/Hz	Vanaf Buitenunit / Separate 230 Vac voeding voor boiler en 400 Vac voor back-up heater		
Opgenomen vermogen back-up heater	kW	3,0 + 3,0 + 3,0		
Opgenomen vermogen boilerheater	kW	Optioneel te selecteren ca. 1,5 ~ 3,0 kW		
Afzekerwaarde boiler/back-up heater	A	Boilerheater 16A Back-up heater 20A		

Koeltechnisch

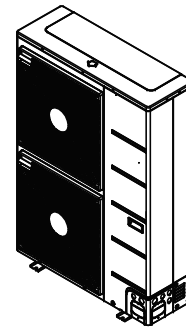
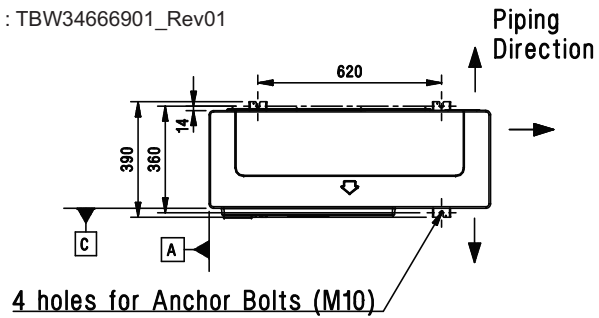
Koelleiding diameter vloeistof / gasleiding	mm(inch)	9,52(3/8")/15,88(5/8")	9,52(3/8")/15,88(5/8")	9,52(3/8")/15,88(5/8")
Koudemiddel		R410A	R410A	R410A

Energie gegevens

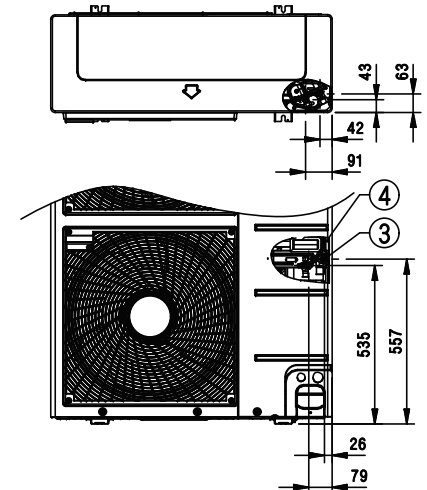
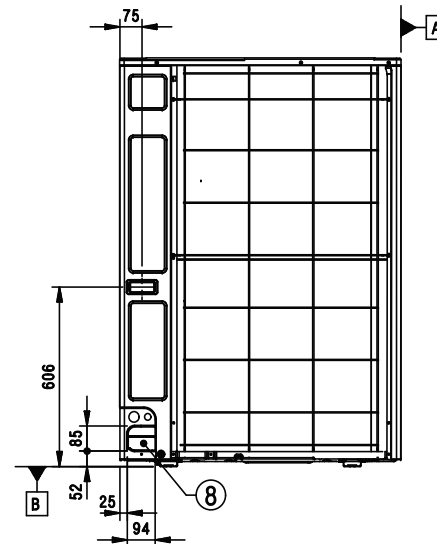
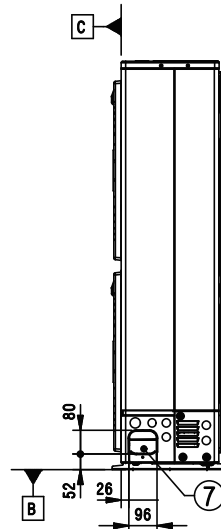
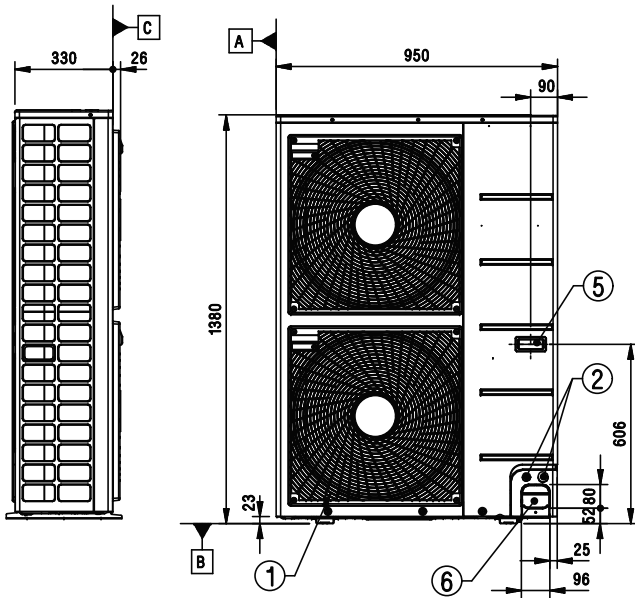
COP / SCOP	W/W	4,55/4,65	4,41/4,61	4,26/4,56
EER	W/W	4,00	3,90	3,61
Energie label verwarmingstoestel 35°C/55°C		A++/A+	A++/A+	A++/A+
Energie efficiëntie ruimteverwarming 35°C/55°C	%	171/115	167/119	158/118
Jaarlijks energieverbruik 35°C/55°C	kWh	2.816/3.537	3.381/4.118	3.902/4.706

[Unit: mm]

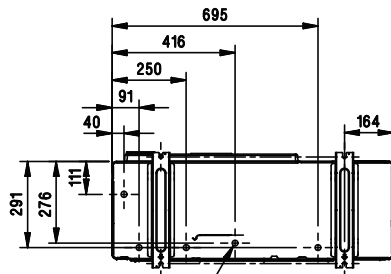
Chassis code : U60A
 DWG No. : TBW3466901_Rev01



3D View



Piping connection port



5-I.D. \varnothing 20 holes for drain connection

Symbols

- Piping Direction
- └─ A ─┘ Datum line

Note

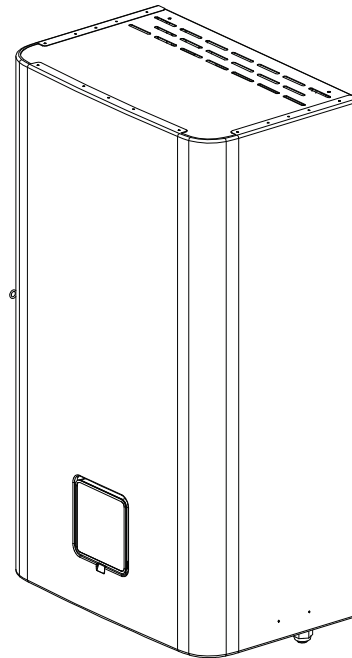
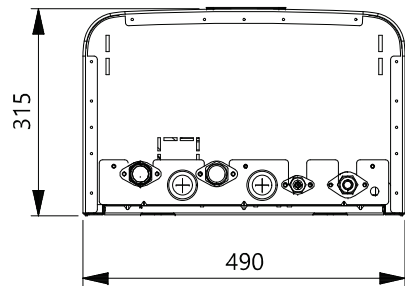
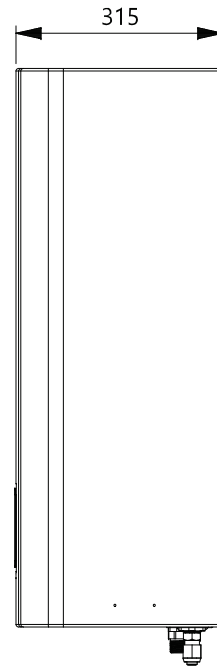
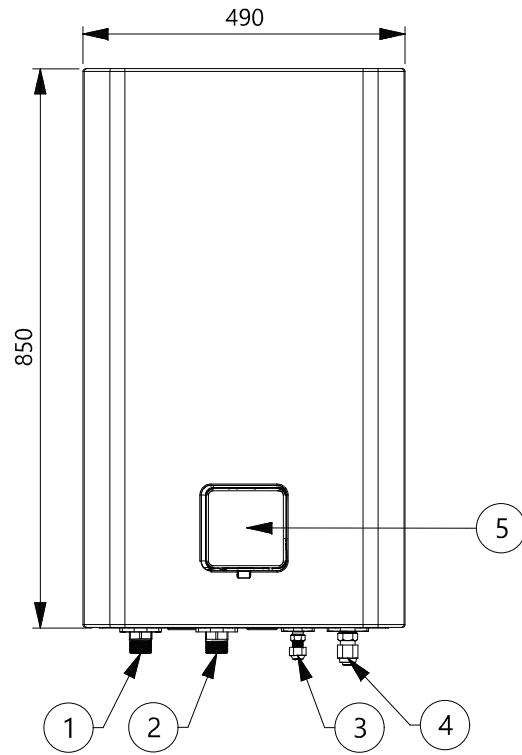
1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
4. Electrical characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

8	Pipe routing hole (back)	-
7	Pipe routing hole (side)	-
6	Pipe routing hole (front)	-
5	Handle	-
4	Liquid Pipe Connection	Flare joint
3	Gas Pipe Connection	Flare joint
2	Power and communication cable Hole	-
1	Air Outlet	-
No.	Part Name	Description

[Unit: mm]

Chassis code : K1

P/No.:TBJ37614401_rev.01



Note

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.

No.	Part Name	Description
5	Control Panel	Built-in Remote Controller
4	Refrigerant Pipe	∅ 15.88 mm
3	Refrigerant Pipe	∅ 9.52 mm
2	Entering Water Pipe	Male PT 1 inch
1	Leaving Water Pipe	Male PT 1 inch

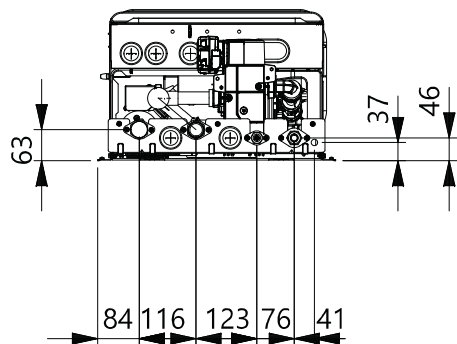
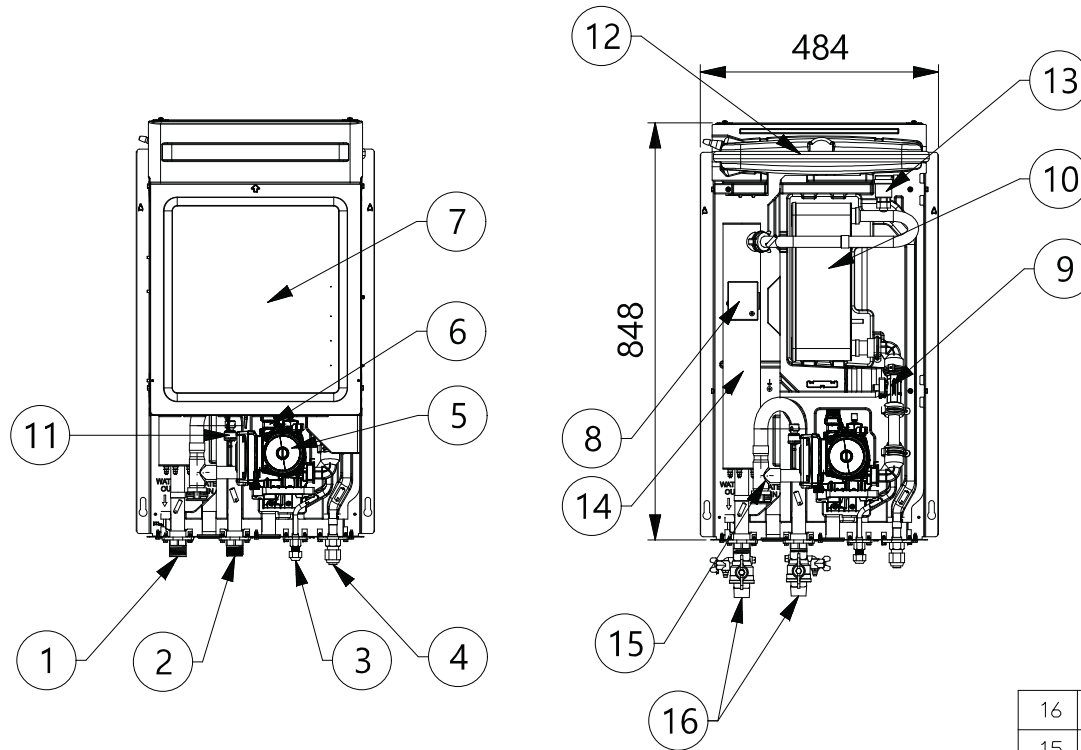
[Unit: mm]

Chassis code : K1

P/No.:T-C01609876_rev.01

Note

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.



16	Shut-off valve (Included)	To drain or to block water when connecting pipe
15	Strainer	Filtering and stacking particles inside circulating water
14	Backup Heater	6 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 UPML 20-105 CHBL
4	Refrigerant Pipe	∅ 15.88 mm
3	Refrigerant Pipe	∅ 9.52 mm
2	Entering Water Pipe	Male PT 1 Inch
1	Leaving Water Pipe	Male PT 1 inch
No.	Part Name	Description