

Technical Data Table | R410A Hydro Unit

Technical specification

Efficiency data		Unit	HU121MA U33 (1 Ø) HU123MA U33 (3 Ø)	HU141MA U33 (1 Ø) HU143MA U33 (3 Ø)	HU161MA U33 (1 Ø) HU163MA U33 (3 Ø)
			HN1616M NK5 (1 Ø) / HN1636M NK5 (3 Ø)		
Seasonal space heating eff. class (35°C / 55°C)	-		A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η _s) (35°C / 55°C)	%		183 / 131	182 / 132	179 / 130
SCOP (35°C / 55°C)	-		4.65 / 3.36	4.61 / 3.37	4.56 / 3.32
Nominal capacity and COP / EER					
Air +7°C / water +35°C	Heating capacity / COP	kW / -	12.00 / 4.55	14.00 / 4.41	16.00 / 4.26
Air +2°C / water +35°C	Heating capacity / COP	kW / -	11.00 / 3.62	12.00 / 3.61	13.80 / 3.60
Air +7°C / water +55°C	Heating capacity / COP	kW / -	11.00 / 2.55	11.50 / 2.55	12.00 / 2.55
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	10.40 / 4.00	12.00 / 3.90	13.00 / 3.61
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	7.94 / 2.98	8.50 / 2.81	8.92 / 3.53
Outdoor unit			HU121MA U33 (1 Ø) HU123MA U33 (3 Ø)	HU141MA U33 (1 Ø) HU143MA U33 (3 Ø)	HU161MA U33 (1 Ø) HU163MA U33 (3 Ø)
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-25 ~ 35		
	Cooling (Min. - Max.)	°C	5 ~ 48		
Refrigerant	Type	-	R410A		
	GWP	-	2,088		
	Precharged amount	g	2,500		
Piping connections (ref.)	Gas / liquid	mm(inch)	Ø 15.88 (5/8) / Ø 9.52 (3/8)		
	Length standard / Max.	m	7.5 / 50		
	Level difference Max.	m	30		
	Max. length without additional charge	m	7.5		
	Mass of additional ref. charge	g/m	40		
Sound power level	Rated / low noise mode	dB (A)	63 / 61	64 / 62	65 / 63
Sound pressure level at 5 m ¹⁾	Rated / low noise mode	dB (A)	41 / 39	42 / 40	43 / 41
Dimension	W × H × D	mm	950 × 1,380 × 330		
Weight	Empty	kg	1 Ø: 84.8 / 3 Ø: 85.4		
Exterior	Color / RAL code	-	Warm gray / RAL 7044		
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 ~ 240, 1, 50 / 380 ~ 415, 3, 50		
	Recommended circuit breaker	A	1 Ø: 40 / 3 Ø: 20		
Indoor unit			HN1616M NK5 (1 Ø) HN1636M NK5 (3 Ø)		
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 ~ 57		
	Cooling (Min. - Max.)	°C	5 ~ 27 (16 ~ 27) ²⁾		
	DHW (Min. - Max.)	°C	15 ~ 80 ³⁾		
Backup heater	Capacity combination	kW	1 Ø: 3.0 + 3.0 / 3 Ø: 2.0 + 2.0 + 2.0		
	Power supply	V, Ø, Hz	220 ~ 240, 1, 50 / 380 ~ 415, 3, 50		
	Rated running current	A	1 Ø: 25.0 / 3 Ø: 8.7		
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)		
Piping connections (ref.)	Gas / Liquid	mm(inch)	Ø 15.88 (5/8) / Ø 9.52 (3/8)		
Sound power level	Rated	dB (A)	44		
Sound pressure level at 1 m ¹⁾	Rated	dB (A)	36		
Dimension	W × H × D	mm	490 × 850 × 315		
Weight	Empty	kg	1 Ø: 40.5 / 3 Ø: 41.5		
Exterior	Color / RAL code	-	Noble white / RAL 9016		

1) Sound pressure level is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2.

2) When a fan coil unit is not used.

3) DHW 50 ~ 80°C operating is available only when the booster heater is operating.



www.lg.com http://partner.lge.com

Copyright © 2023 LG Electronics. All rights reserved.



* 3 phase model only

Flexible installation, Robustness in cold ambient, THERMA V Split

- No potential risk of piping freezing
- High flexibility for installation
- All-in-one Combi Unit with integrated hot water cylinder



Visit our website





Easy, Flexible Installation for All Housing Types

The LG THERMA V Split series is an air-to-water heat pump in which the outdoor unit and the indoor unit are connected by refrigerant pipes, available in two different combinations (Hydro Unit or Combi Unit) depending on the specific needs of the property.

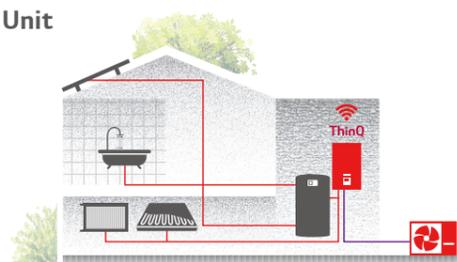


Key Features

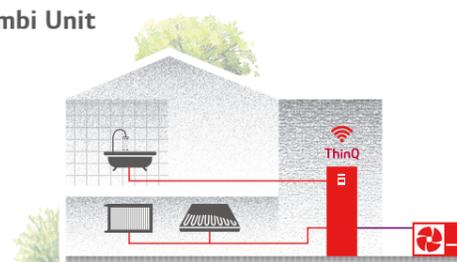
Description	R32 4/6 kW Split	R32 5/7/9 kW Split	R410A Split
Project type	New built	New built or small renovation	Renovation
Application	Space heating, cooling and DHW		
Operation range down to	-20	-25	-25
Maximum flow temperature up to	55	65	57
High flexibility with Hydro Unit	0	0	0
All-in-one Combi Unit with integrated hot water cylinder	0	0	X



Hydro Unit



Combi Unit



Product Range

Product	Type	Phase	Capacity (kW)	Indoor Unit	Outdoor Unit	
NEW R32 Split 4/6 kW	Hydro Unit	1 Ø	4	HN0613M NK5	HU041MR U20	
			6		HU061MR U20	
	Combi Unit		4	HN0613T NK0	HU041MR U20	
			6		HU061MR U20	
R32 Split 5/7/9 kW	Hydro Unit	1 Ø	5	HN091MR NK5	HU051MR U44	
			7		HU071MR U44	
			9		HU091MR U44	
	Combi Unit		5	HN0913T NK0	HU051MR U44	
			7		HU071MR U44	
			9		HU091MR U44	
R410A Split	Hydro Unit	1 Ø	12	HN1616M NK5	HU121MA U33	
			14		HU141MA U33	
			16		HU161MA U33	
			3 Ø	12	HN1636M NK5	HU123MA U33
				14		HU143MA U33
				16		HU163MA U33



Why choose LG THERMA V Split?



01



No potential risk of piping freezing

- Robust to cold ambient thanks to refrigerant piping
- No exposed piping freezing even during prolonged blackouts

02



High installation flexibility not restricted by the site condition

- Light weight and compact size
- Allows a maximum refrigerant pipe length of 50 m and offers 3-way piping connection availability (R32 Split 5/7/9 kW and R410 Split)
- Eliminates minimum floor area requirements due to R32 refrigerant (R32 Split 4/6 kW)



03



All-in-one integration (Combi Unit)

- Integrated indoor unit with a hot water storage tank
- Saves space in the technical room with a small footprint
- Installation time reduced with pre-installed components
- Harmonized with other household appliances for a cohesive exterior

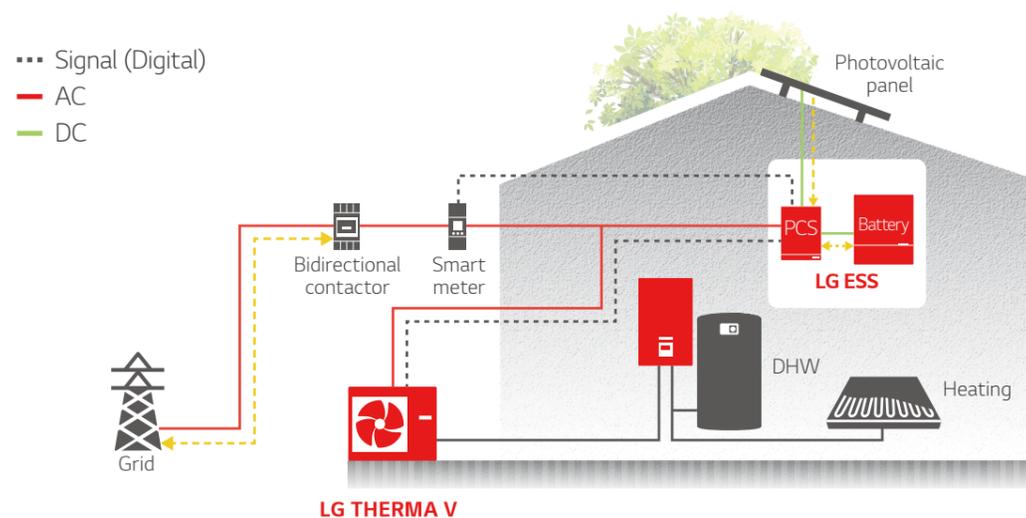


LG Smart Home Energy Package

Power your home the smart way and save the energy bill

With LG, you are able to minimize the energy cost and one step closer to the ultimate smart home.

* Availability of LG Smart Home Energy Package may vary by region.



Accessories

Wi-Fi modem



Cloud gateway



Tools & Services

For all customers including designers, installers, and end users.



LATS THERMA V ¹⁾

A web based simulation tool that enables to choose optimized THERMA V model from various capacity range and simulates its energy cost comparing to other heating solutions.

¹⁾ A web version will be available in 4Q 2023.



LG ThinQ & LG BECON cloud service

A cloud-based service that remotely monitors a customer's heating system via smart devices. End users can remotely control the heating system through ThinQ, and service providers can perform more detailed remote monitoring and diagnosis.

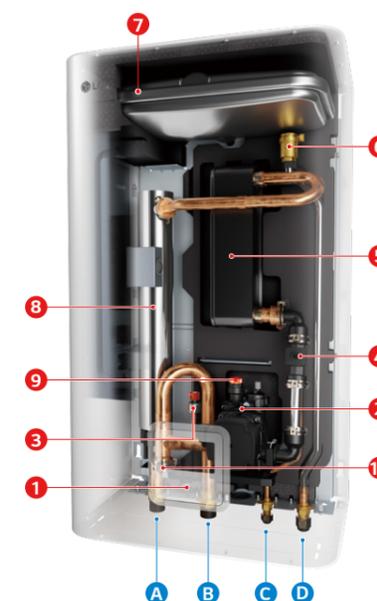
LG THERMA V selector

A mobile app. for simulating energy consumption and cost as well as CO₂ emission.



Interior & Connections

Hydro Unit



Components

- 1 Standard III remote controller (air temp. sensor integrated)
- 2 Water pump
- 3 Water pressure sensor
- 4 Flow sensor
- 5 Plate type heat exchanger (ref/water)
- 6 Air vent valve
- 7 Expansion vessel (8 ℓ)
- 8 Back up electric heater (3 kW)
- 9 Safety valve
- 10 Strainer

Connections

- A Heating circuit outlet pipe (male PT 1" *)
- B Heating circuit inlet pipe (male PT 1" *)
- C Refrigerant liquid pipe (SAE 1/4" with connector **)
- D Refrigerant gas pipe (SAE 1/2" with connector **)

* According to ISO 7-1 (tapered pipe threads)
 ** In case of Split 4/6 kW model, the adaptors provided with the outdoor unit must be separately installed on the gas/liquid connection of the indoor unit when connecting the refrigerant pipe. After installing the adaptors, the liquid and gas connection size becomes Ø 6.35 (1/4 inch) and Ø 12.7 (1/2 inch) respectively.

Installation video tutorial



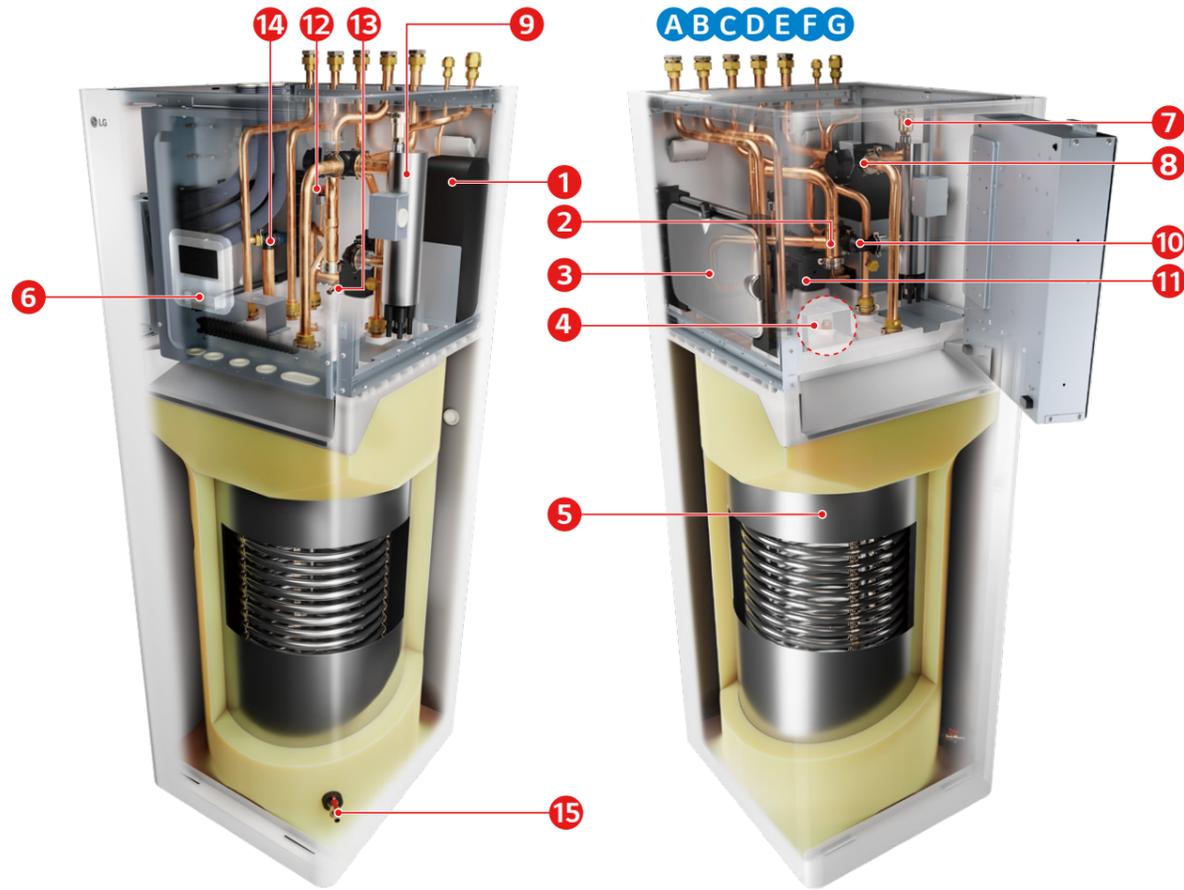
Installation guide step 1



Installation guide step 2

Interior & Connections

Combi Unit



Components

- 1 Plate heat exchanger (ref. / water)
- 2 Strainer
- 3 Expansion tank for heating (8 ℓ)
- 4 Reserved space for DHW expansion tank
- 5 DHW storage tank (stainless steel, 200 ℓ) with internal coil type heat exchanger
- 6 Standard III remote controller (air temp. sensor integrated)
- 7 Air vent valve
- 8 3 Way diverting valve (DC)
- 9 Electric back-up heater (3 kW)
- 10 Water flow sensor
- 11 Main water pump with air vent and safety valve (water circuit, 3 bar)
- 12 Water pressure sensor
- 13 Drain valve for water circuit
- 14 Safety valve (DHW tank, 10 bar)
- 15 Drain valve for DHW tank

Connections

- A DHW recirculation pipe (female G1"*)
- B Domestic hot water outlet pipe (female G1"*)
- C Domestic cold water inlet pipe (female G1"*)
- D Heating circuit inlet pipe (female G1"*)
- E Heating circuit outlet pipe (female G1"*)
- F Refrigerant liquid pipe (SAE 1/4" with connector**)
- G Refrigerant gas pipe (SAE 1/2" with connector**)

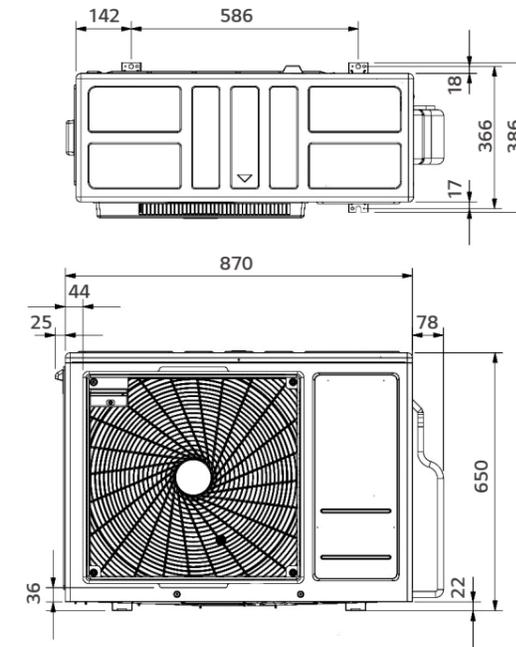
* According to ISO 228-1 (parallel pipe threads)

** In case of Split 4/6 kW model, the adaptors provided with the outdoor unit must be separately installed on the gas/liquid connection of the indoor unit when connecting the refrigerant pipe. After installing the adaptors, the liquid and gas connection size becomes $\varnothing 6.35$ (1/4 inch) and $\varnothing 12.7$ (1/2 inch) respectively.

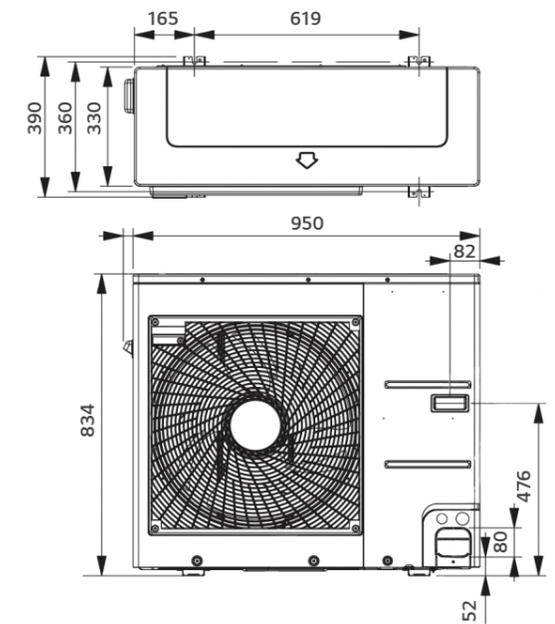
Product Dimensions

[Unit: mm]

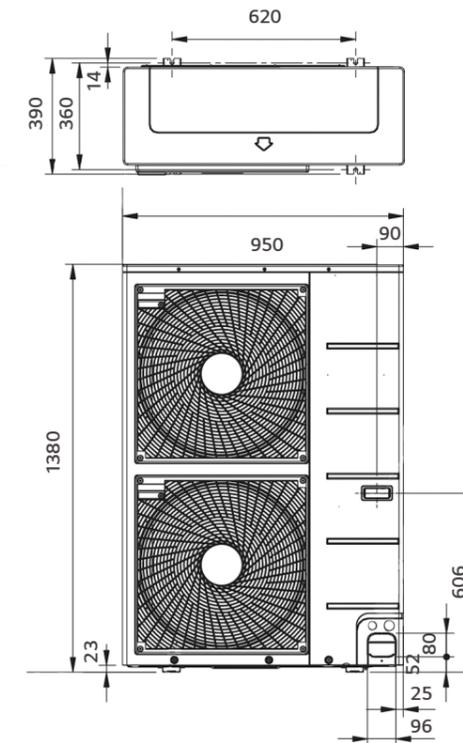
Outdoor Unit (R32 Split 4/6 kW)



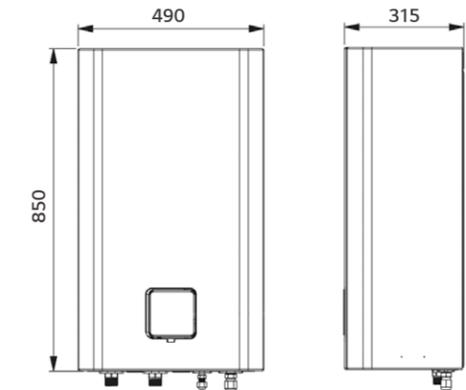
Outdoor Unit (R32 Split 5/7/9 kW)



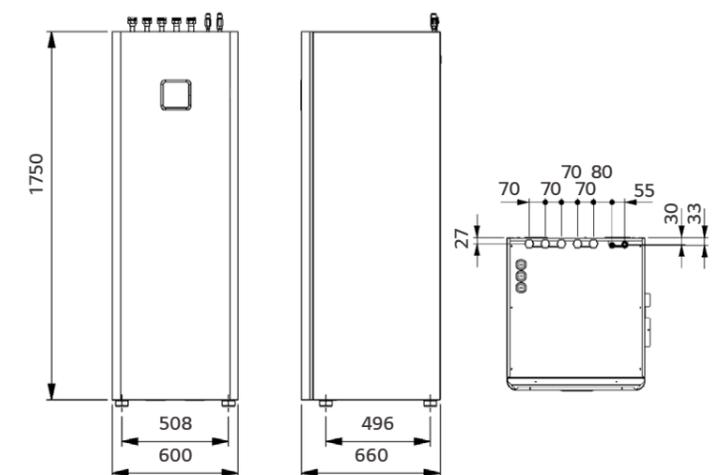
Outdoor Unit (R410A Split)



Hydro Unit



Combi Unit



* For the 4/6 kW Split, the adaptors provided with the outdoor unit must be installed on the connection of the indoor unit when connecting the refrigerant pipe.

Technical Data Table | 4/6 kW Hydro Unit

Technical specification

Efficiency data	Unit	HU041MR U20	HU061MR U20
		HN0613M NK5	
Seasonal space heating eff. class (35°C / 55°C)	-	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_s) (35°C / 55°C)	%	183 / 126	183 / 126
SCOP (35°C / 55°C)	-	4.65 / 3.23	4.65 / 3.23

Nominal capacity and COP / EER

Air / water	Heating capacity / COP	kW / -	HU041MR U20	HU061MR U20
Air +7°C / water +35°C	Heating capacity / COP	kW / -	4.00 / 5.10	6.00 / 4.95
Air +2°C / water +35°C	Heating capacity / COP	kW / -	3.60 / 3.75	4.80 / 3.65
Air -7°C / water +35°C	Heating capacity / COP	kW / -	4.00 / 3.08	6.00 / 2.98
Air +7°C / water +55°C	Heating capacity / COP	kW / -	3.70 / 2.85	4.60 / 2.90
Air -7°C / water +55°C	Heating capacity / COP	kW / -	3.70 / 1.80	4.60 / 1.80
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	4.00 / 4.80	6.00 / 4.80
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	4.00 / 3.40	6.00 / 3.20

Outdoor unit

			HU041MR U20	HU061MR U20
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-20 - 35	
	Cooling (Min. - Max.)	°C	5 - 48	
Refrigerant	Type	-	R32	
	GWP	-	675	
	Precharged amount	g	1,100	
Piping connections (ref.)	Gas / liquid	mm (inch)	Ø 12.7 (1/2) / Ø 6.35 (1/4)	
	Length standard / Max.	m	5 / 30	
	Level difference Max.	m	30	
	Max. length without additional charge	m	10	
	Mass of additional ref. charge	g/m	20	
Sound power level	Rated / low noise mode	dB (A)	57 / 56	58 / 57
Sound pressure level at 5 m ¹⁾	Rated / low noise mode	dB (A)	35 / 34	36 / 35
Dimension	W x H x D	mm	870 x 650 x 330	
Weight	Empty	kg	44.7	
Exterior	Color / RAL code	-	Warm gray / RAL 7044	
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 - 240, 1, 50	
	Recommended circuit breaker	A	16	20

Indoor unit

			HN0613M NK5	
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 - 55	
	Cooling (Min. - Max.)	°C	5 - 27 (16 - 27) ²⁾	
	DHW (Min. - Max.)	°C	15 - 80 ³⁾	
Backup heater	Capacity combination	kW	1.5 + 1.5	
	Power supply	V, Ø, Hz	220 - 240, 1, 50	
	Rated running current	A	13.0	
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)	
Sound power level	Rated	dB (A)	44	
Sound pressure level at 1 m ¹⁾	Rated	dB (A)	36	
Dimension	W x H x D	mm	490 x 850 x 315	
Weight	Empty	kg	37.8	
Exterior	Color / RAL code	-	Noble white / RAL 9016	

1) Sound pressure level is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2.

2) When a fan coil unit is not used.

3) DHW 50 - 80°C operating is available only when the booster heater is operating.



Technical Data Table | 4/6 kW Combi Unit

Technical specification

Efficiency data	Unit	HU041MR U20	HU061MR U20
		HN0613T NK0	
Seasonal space heating eff. class (35°C / 55°C)	-	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_s) (35°C / 55°C)	%	183 / 126	183 / 126
SCOP (35°C / 55°C)	-	4.65 / 3.23	4.65 / 3.23
Declared load profile, average climate	-	L	L
Water heating efficiency (η_{WH}), average climate	%	133	133
COP _{DHW} , average climate	-	3.15	3.15
Water heating eff. class, average climate	-	A+	A+
Water heating time acc. to EN 16147 (average climate)	h/mn	1h 45	
Max. usable water volume acc. to EN 16147 (average climate)	ℓ	220	

Nominal capacity and COP / EER

Air / water	Heating capacity / COP	kW / -	HU041MR U20	HU061MR U20
Air +7°C / water +35°C	Heating capacity / COP	kW / -	4.00 / 5.10	6.00 / 4.95
Air +2°C / water +35°C	Heating capacity / COP	kW / -	3.60 / 3.75	4.80 / 3.65
Air -7°C / water +35°C	Heating capacity / COP	kW / -	4.00 / 3.08	6.00 / 2.98
Air +7°C / water +55°C	Heating capacity / COP	kW / -	3.70 / 2.85	4.60 / 2.90
Air -7°C / water +55°C	Heating capacity / COP	kW / -	3.70 / 1.80	4.60 / 1.80
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	4.00 / 4.80	6.00 / 4.80
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	4.00 / 3.40	6.00 / 3.20

Outdoor unit

			HU041MR U20	HU061MR U20
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-20 - 35	
	Cooling (Min. - Max.)	°C	5 - 48	
Refrigerant	Type	-	R32	
	GWP	-	675	
	Precharged amount	g	1,100	
Piping connections (ref.)	Gas / liquid	mm (inch)	Ø 12.7 (1/2) / Ø 6.35 (1/4)	
	Length standard / Min. / Max.	m	5 / 30	
	Level difference Max.	m	30	
	Max. length without additional charge	m	10	
	Mass of additional ref. charge	g/m	20	
Sound power level	Rated / low noise mode	dB (A)	57 / 56	58 / 57
Sound pressure level at 5 m ¹⁾	Rated / low noise mode	dB (A)	35 / 34	36 / 35
Dimension	W x H x D	mm	870 x 650 x 330	
Weight	Empty	kg	44.7	
Exterior	Color / RAL code	-	Warm gray / RAL 7044	
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 - 240, 1, 50	
	Recommended circuit breaker	A	16	20

Indoor unit

			HN0613T NK0	
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 - 55	
	Cooling (Min. - Max.)	°C	5 - 27 (16 - 27) ²⁾	
	DHW (Min. - Max.)	°C	15 - 80 ³⁾	
Domestic hot water tank	Volume	ℓ	200	
	Tank material	-	Duplex stainless steel	
Backup heater	Capacity combination	kW	3.0	
	Power supply	V, Ø, Hz	220 - 240, 1, 50	
	Rated running current	A	13.0	
Piping connections (water)	Inlet / outlet diameter for space heating	inch	Female G1" according to ISO228-1 (parallel pipe threads)	
	Inlet / outlet diameter for DHW	inch		
	Recirculation	inch		
Sound power level	Rated	dB (A)	42	
Sound pressure level at 1 m ¹⁾	Rated	dB (A)	34	
Dimension	W x H x D	mm	600 x 1,750 x 660	
Weight	Empty	kg	118.0	
Exterior	Color / RAL code	-	White / RAL 9016	

1) Sound pressure level is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2.

2) When a fan coil unit is not used.

3) DHW 50 - 80°C operating is available only when the booster heater is operating.



Technical Data Table | 5/7/9 kW Hydro Unit

Technical specification

Efficiency data	Unit	HU051MR U44	HU071MR U44 HN091MR NK5	HU091MR U44
Seasonal space heating eff. class (35°C / 55°C)	-	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_s) (35°C / 55°C)	%	183 / 126	183 / 126	183 / 126
SCOP (35°C / 55°C)	-	4.65 / 3.23	4.65 / 3.23	4.65 / 3.23

Nominal capacity and COP / EER

Air / water	Capacity / COP / EER	Unit	HU051MR U44	HU071MR U44	HU091MR U44
Air +7°C / water +35°C	Heating capacity / COP	kW / -	5.50 / 4.90	7.00 / 4.90	9.00 / 4.65
Air +2°C / water +35°C	Heating capacity / COP	kW / -	3.30 / 3.52	4.20 / 3.51	5.40 / 3.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	5.50 / 2.70	5.50 / 2.70	5.50 / 2.70
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	5.50 / 4.60	7.00 / 4.50	9.00 / 4.20
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	5.50 / 2.80	7.00 / 2.70	9.00 / 2.60

Outdoor unit

			HU051MR U44	HU071MR U44	HU091MR U44
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-25 - 35		
	Cooling (Min. - Max.)	°C	5 - 48		
Refrigerant	Type	-	R32		
	GWP	-	675		
	Precharged amount	g	1,500		
Piping connections (ref.)	Gas / liquid	mm (inch)	Ø 15.88 (5/8) / Ø 9.52 (3/8)		
	Length standard / Max.	m	5 / 50		
	Level difference Max.	m	30		
	Max. length without additional charge	m	10		
	Mass of additional ref. charge	g/m	40		
Sound power level	Rated / low noise mode	dB (A)	60 / 58		
Sound pressure level at 5 m ¹⁾	Rated / low noise mode	dB (A)	38 / 36		
Dimension	W × H × D	mm	950 × 834 × 330		
Weight	Empty	kg	60.0		
Exterior	Color / RAL code	-	Warm gray / RAL 7044		
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 - 240, 1, 50		
	Recommended circuit breaker	A	20	25	30

Indoor unit

			HN091MR NK5		
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 - 65		
	Cooling (Min. - Max.)	°C	5 - 27 (16 - 27) ²⁾		
	DHW (Min. - Max.)	°C	15 - 80 ³⁾		
Backup heater	Capacity combination	kW	3.0 + 3.0		
	Power supply	V, Ø, Hz	220 - 240, 1, 50		
	Rated running current	A	25.0		
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)		
Sound power level	Rated	dB (A)	44		
Sound pressure level at 1 m ¹⁾	Rated	dB (A)	36		
Dimension	W × H × D	mm	490 × 850 × 315		
Weight	Empty	kg	38.1		
Exterior	Color / RAL code	-	Noble white / RAL 9016		

1) Sound pressure level is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2.

2) When a fan coil unit is not used.

3) DHW 55 - 80°C operating is available only when the booster heater is operating.



Technical Data Table | 5/7/9 kW Combi Unit

Technical specification

Efficiency data	Unit	HU051MR U44	HU071MR U44 HN0913T NK0	HU091MR U44
Seasonal space heating eff. class (35°C / 55°C)	-	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_s) (35°C / 55°C)	%	183 / 126	183 / 126	183 / 126
SCOP (35°C / 55°C)	-	4.65 / 3.23	4.65 / 3.23	4.65 / 3.23
Declared load profile, average climate	-	L	L	XL
Water heating efficiency (η_{WH}), average climate	%	133	133	140
COP _{DHW} , average climate	-	3.15	3.15	3.40
Water heating eff. class, average climate	-	A+	A+	A+
Water heating time acc. to EN 16147 (average climate)	h/mn	1h 44		
Max. usable water volume acc. to EN 16147 (average climate)	ℓ	250		

Nominal capacity and COP / EER

Air / water	Capacity / COP / EER	Unit	HU051MR U44	HU071MR U44	HU091MR U44
Air +7°C / water +35°C	Heating capacity / COP	kW / -	5.50 / 4.90	7.00 / 4.90	9.00 / 4.65
Air +2°C / water +35°C	Heating capacity / COP	kW / -	3.30 / 3.52	4.20 / 3.51	5.40 / 3.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	5.50 / 2.70	5.50 / 2.70	5.50 / 2.70
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	5.50 / 4.60	7.00 / 4.50	9.00 / 4.20
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	5.50 / 2.80	7.00 / 2.70	9.00 / 2.60

Outdoor unit

			HU051MR U44	HU071MR U44	HU091MR U44
Operation range (outdoor air temperature)	Heating & DHW (Min. - Max.)	°C	-25 - 35		
	Cooling (Min. - Max.)	°C	5 - 48		
Refrigerant	Type	-	R32		
	GWP	-	675		
	Precharged amount	g	1,500		
Piping connections (ref.)	Gas / liquid	mm (inch)	Ø 15.88 (5/8) / Ø 9.52 (3/8)		
	Length standard / Max.	m	5 / 50		
	Level difference Max.	m	30		
	Max. length without additional charge	m	10		
	Mass of additional ref. charge	g/m	40		
Sound power level	Rated / low noise mode	dB (A)	60 / 58		
Sound pressure level at 5 m ¹⁾	Rated / low noise mode	dB (A)	38 / 36		
Dimension	W × H × D	mm	950 × 834 × 330		
Weight	Empty	kg	60.0		
Exterior	Color / RAL code	-	Warm gray / RAL 7044		
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 - 240, 1, 50		
	Recommended circuit breaker	A	20	25	30

Indoor unit

			HN0913T NK0		
Operation range (leaving water temperature)	Heating (Min. - Max.)	°C	15 - 65		
	Cooling (Min. - Max.)	°C	5 - 27 (16 - 27) ²⁾		
	DHW (Min. - Max.)	°C	15 - 80 ³⁾		
Domestic hot water tank	Volume	ℓ	200		
	Tank material	-	Duplex stainless steel		
Electric heater	Capacity combination	kW	3.0		
	Heating steps	Steps	1		
	Power supply	V, Ø, Hz	220 - 240, 1, 50		
	Rated running current	A	13.0		
Piping connections (water)	Inlet / outlet diameter for space heating	inch	Female G1" according to ISO228-1 (parallel pipe threads)		
	Inlet / outlet diameter for DHW	inch			
	Recirculation	inch			
Sound power level	Rated	dB (A)	42		
Sound pressure level at 1 m ¹⁾	Rated	dB (A)	34		
Dimension	W × H × D	mm	600 × 1,750 × 660		
Weight	Empty	kg	118.0		
Exterior	Color / RAL code	-	White / RAL 9016		

1) Sound pressure level is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2.

2) When a fan coil unit is not used.

3) DHW 55 - 80°C operating is available only when the booster heater is operating.

