EN

PRODUCT DATA SHEET

121609EN-02
2025-11

EcoNordic WH4 XL

ART.NO.: 800505

Flexit GO

Flexit EcoNordic WH4 XL is a climate heat pump with features that ensure a healthy indoor climate and ample hot tap water in a very energy-efficient way. The climate heat pump has integrated balanced ventilation with a rotary heat exchanger and an air/water heat pump for both hot tap water and waterborne heating.
EcoNordic WH4 XL is specially adapted for larger homes and can be used in climates where it can get colder than -25 °C. To simplify handling and installation, the unit is built from four modules.
All functions of the climate heat pump are easily controlled via the Flexit GO app.

- For larger homes and/or colder climates
- Efficient air-/water heat pump down to -25 °C
- All components placed indoor
- High thermal efficiency, up to 95 %
- Rotating heat exchanger
- Additional electric heater, 8 kW
- Environmental friendly refrigerant, CO_2

Automatic control

All functions of the climate heat pump are easily controlled via the Flexit GO app.

Art.no.	GTIN	Model
800505	7023678005057	EcoNordic WH4 XL

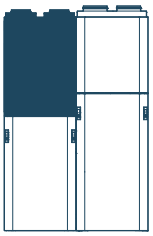
Technical data

		400 V 3N~	230 V 3~
PERFORMANCE	Tap water profile (EN 16147)	XL	XL
	COP, tap water (EN 16147)	3,21	3,21
	Outgoing compressor capacity	up to 4 kW	up to 4 kW
	Sound output (EN12102–2)	52 dB(A)	52 dB(A)
	IP class	IP21	IP21
	Maximum air flow	524 m^3/h @ 100 Pa	524 m^3/h @ 100 Pa
		145 l/s @ 100 Pa	145 l/s @ 100 Pa
	SFP range (1,5)	106 - 325 m^3/h @ 100 Pa	106 - 325 m^3/h @ 100 Pa
		30 - 90 l/s @ 100 Pa	30 - 90 l/s @ 100 Pa
	Temperature efficiency	> 90 %	> 90 %
	SCOP (EN 14825)	3,22	3,22
POWER	Rated voltage	400 V 3N~	230 V 3~
	Instantaneous water heater output	8 kW (6 kW/5 kW)	8 kW (6 kW/5 kW)
	Fuse size	3×16 A	3×25 A
	Rated current, total	14,3 A	23,7 A
	Rated power, total	9,3 kW (7,3 kW/6,3 kW)	9,3 kW (7,3 kW/6,3 kW)
VENTILATION	Fan type	B-wheel	B-wheel
	Fan motor control	0–10 V	0–10 V
	Automatic control standard	Flexit GO	Flexit GO
	Filter type (supply air/extract air)	ePM1 55 % (F7)	ePM1 55 % (F7)
	Duct connection	Ø 160 mm	Ø 160 mm
HOT WATER	Tank volume	197 L	197 L
	Nominal operating pressure	0,45/4,5 MPa/bar	0,45/4,5 MPa/bar
	Max operating pressure	0,7/7 MPa/bar	0,7/7 MPa/bar
	Temperature, hot water	5 - 65 °C (Legionella: 75 °C)	5 - 65 °C (Legionella: 75 °C)
HEAT PUMP	Coolant medium	CO_2 (0,5 kg)	CO_2 (0,5 kg)
	GWP	1	1
	Duct connection	Ø 200 mm	Ø 200 mm
	Max operating pressure	14/140 MPa/bar	14/140 MPa/bar
	Outdoor air temperature	Min. -25 °C	Min. -25 °C
	Inverter control	Yes	Yes
DIMENSIONS	Height	1 900 mm	1 900 mm
	Width	1 198 mm	1 198 mm
	Depth	650 mm	650 mm
WEIGHT	Total excluding water	222 kg	222 kg
	Tank module	65 kg 59,5 kg (weight without door)	65 kg 59,5 kg (weight without door)
	Ventilation module	80 kg 71,5 kg (weight without door)	80 kg 71,5 kg (weight without door)
	Heat pump	65 kg 59 kg (weight without door)	65 kg 59 kg (weight without door)
	Ventilation chassis	12 kg	12 kg
INSTALLATION	Position	Technical room/cupboard	Technical room/cupboard
	Room temperature	Min. 3 °C	Min. 3 °C

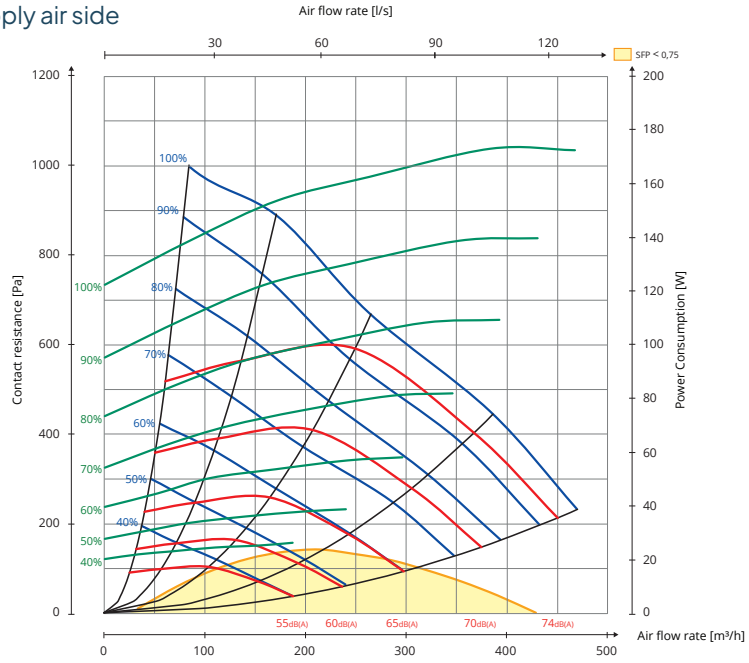
Energy class: A+

(average climatic conditions)

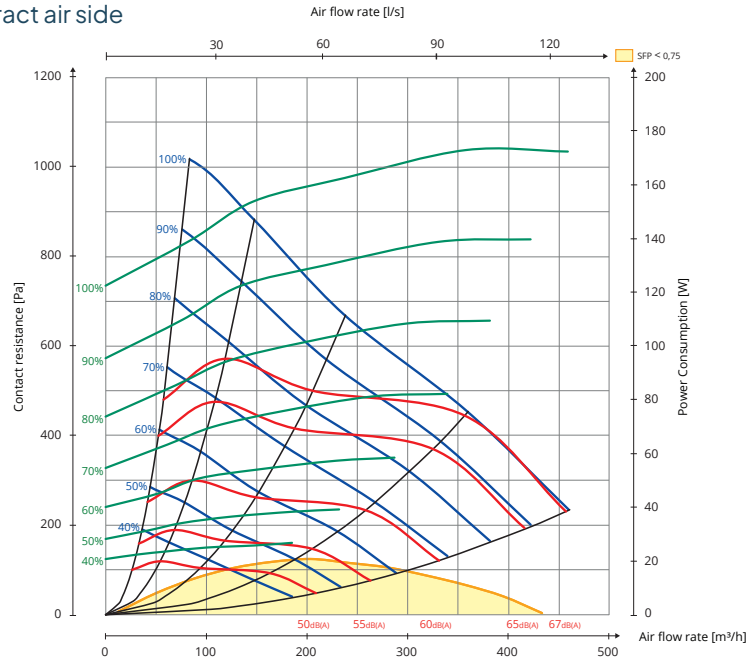
Capacity diagram



Supply air side



Extract air side



Hz	63 Lw(dB)	125 Lw(dB)	250 Lw(dB)	500 Lw(dB)	1000 Lw(dB)	2000 Lw(dB)	4000 Lw(dB)	8000 Lw(dB)	LwA (dBA)
Supply air	4	4	1	-1	-12	-9	-14	-26	
Extract air	11	8	1	0	-13	-16	-26	36	
Radiated	-12	-9	-13	-19	-25	-29	-32	-34	-16

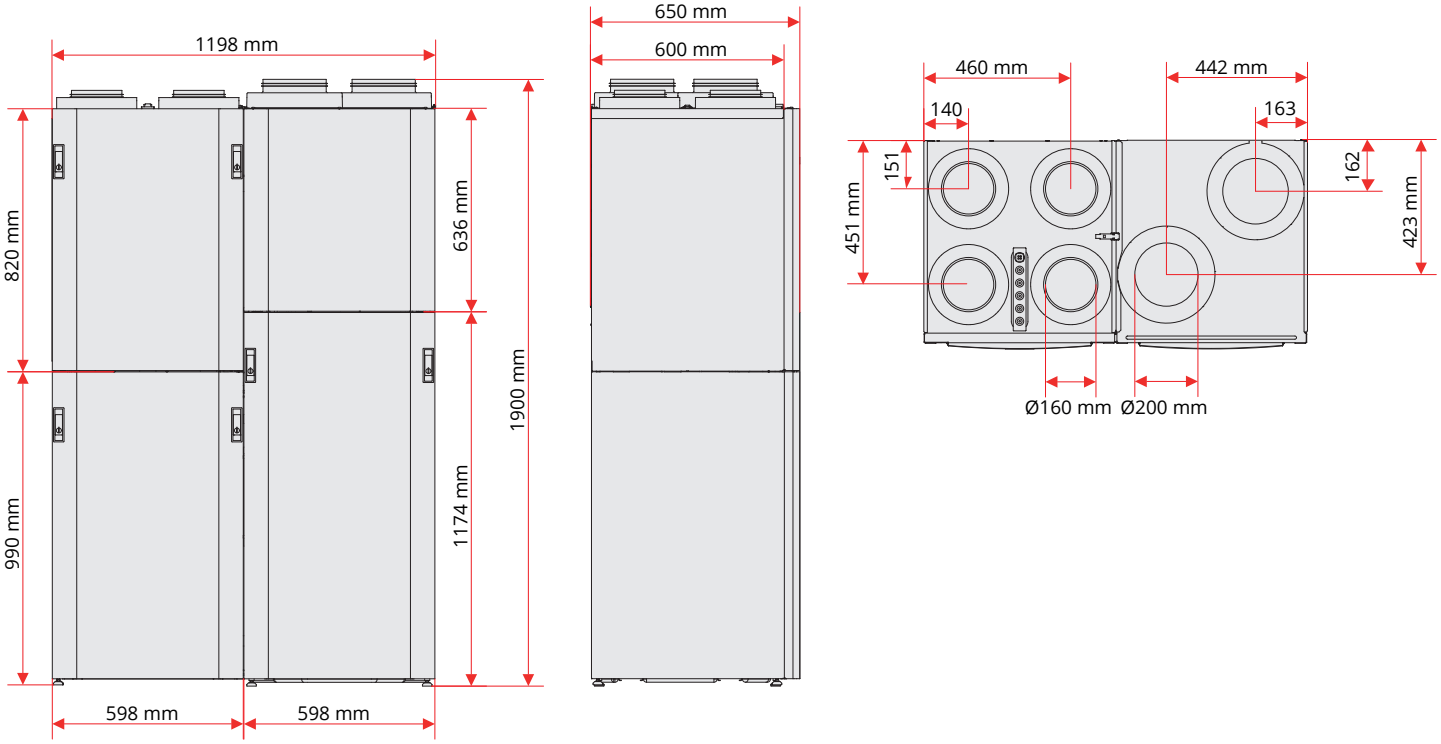
Explanation of diagram:
Sound data is specified as sound power level LwA in the capacity diagrams. (This is sound to duct.)

These values can be corrected by means of the table for the different octave bands in order to look at Lw (without adaptation to A band).

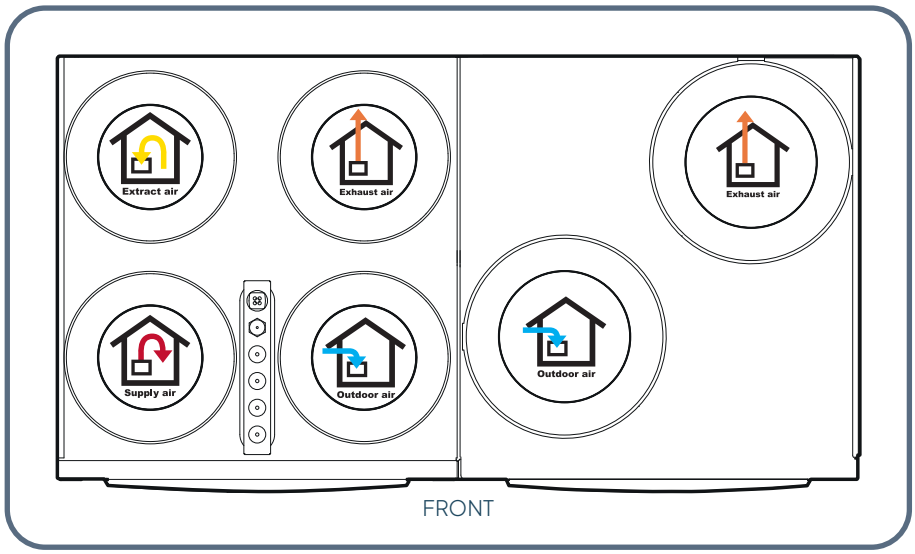
The correction table for the various octaves is stated in Lw, which means that the Lw values are after conversion of each octave for supply air and extract air.

Radiated sound from the unit must be calculated from the supply air diagram.

Dimensioned drawings



Nipple location



For more information on topics including installation, wiring diagrams and accessories, see www.flexit.com

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