

EcoNordic WH4 XL

ART.NO. 800505



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 water-borne 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.

Product description

- 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, CO₂

Automatic control

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



	GTIN	Model
800505	7023678005057	EcoNordic WH4 XL

		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 m³/h @ 100 Pa	524 m³/h @ 100 Pa
		145 l/s @ 100 Pa	145 l/s @ 100 Pa
	SFP range (1,5)	106 - 325 m³/h @ 100 Pa	106 - 325 m³/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
	Fuse size	3x16 A	3x25 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	Dia. 160 mm	Dia. 160 mm

HOT WATER	Tank volume	197 litres	197 litres
	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	Dia. 200 mm	Dia. 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	238 kg		238 kg	
	Tank module	71 kg	65 kg (weight without door)	71 kg	65 kg (weight without door)
	Ventilation module	84 kg	76 kg (weight without door)	84 kg	76 kg (weight without door)
	Heat pump	71 kg	65 kg (weight without door)	71 kg	65 kg (weight without door)
	Ventilation chassis	12 kg		12 kg	

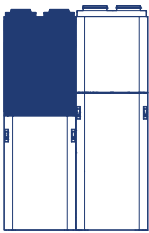
INSTALLATION	Position	Technical room/cupboard	Technical room/cupboard
	Room temperature	Min. 3 °C	Min. 3 °C

Energy class:

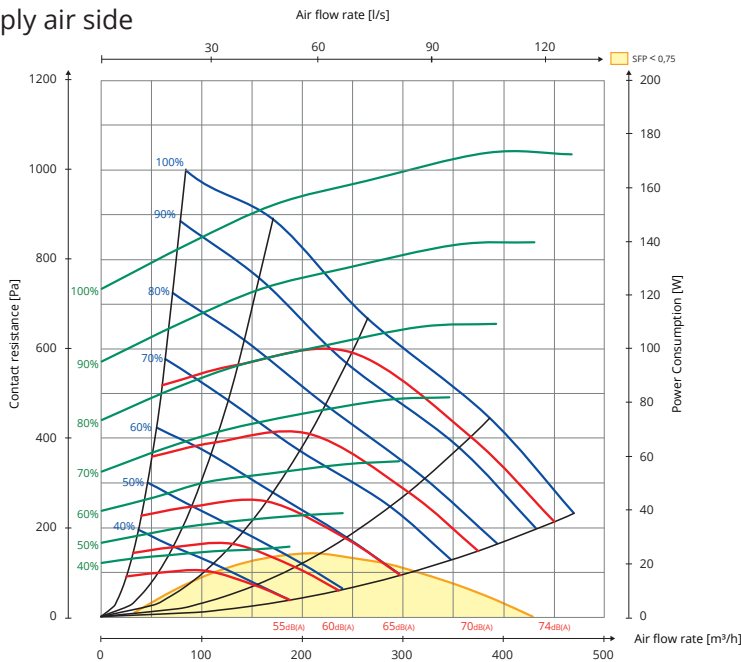


(average climatic conditions)

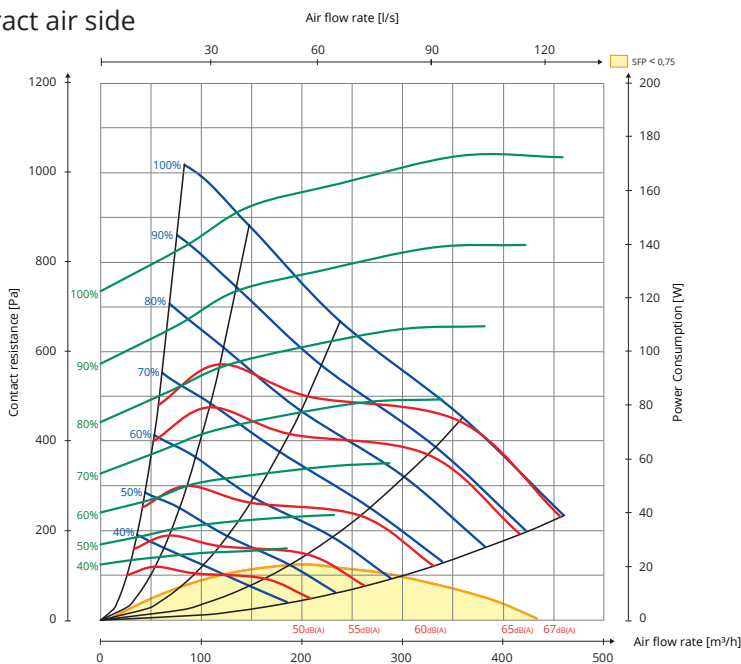
Capacity Diagram



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

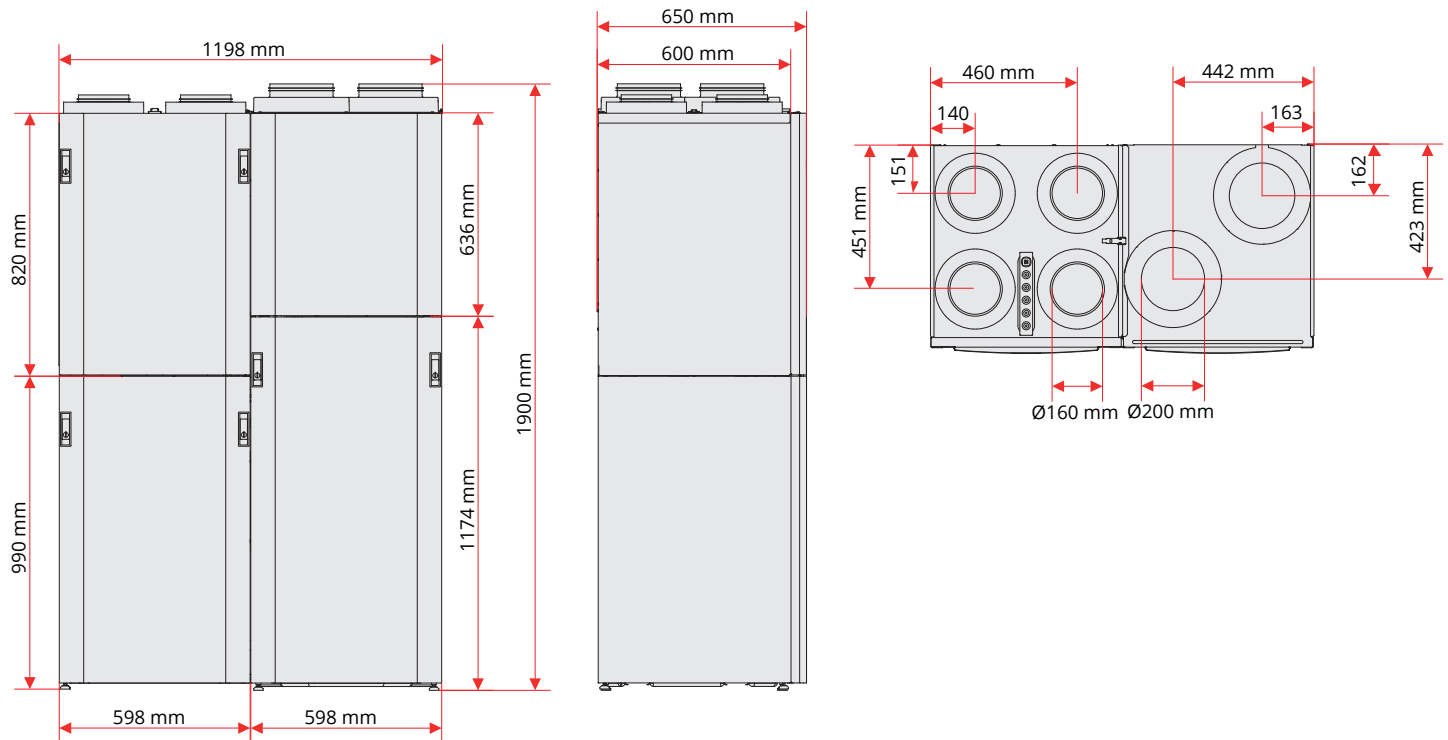
Explanation of diagram:
Sound data is specified as sound power level LwA in the capacity diagrams. (This is sound to duct.)

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).

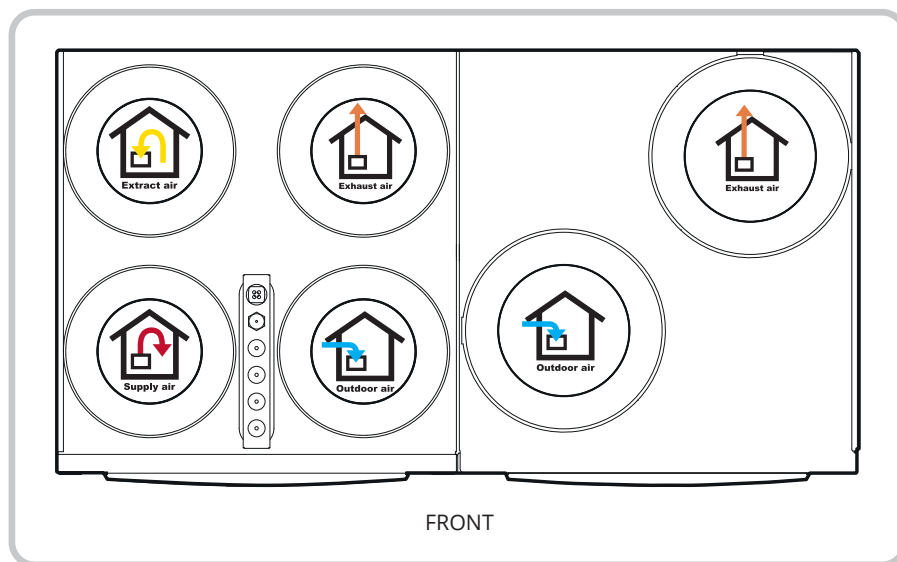
The correction table for the various octaves is stated in Lw, which means that the Lw values are after conversion of each octave for supply air and extract air.

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

