

EcoNordic WH4

ART.NO. 800501



Flexit EcoNordic WH4 je notranja klimatska naprava z integriranimi funkcijami za uravnano prezračevanje, proizvodnjo vode iz pipe in ogrevanje za domove.

Enota zagotavlja zdravo notranjo klimo, veliko količino tople vode in ogrevanje na zelo energijsko učinkovit način. Če je potrebno malo ogrevanja gospodinjstev, se energija črpa neposredno iz rezervoarja brez zagona toplotne črpalke.

Enota je sestavljena iz 4 modulov za poenostavitev rokovanja in namestitve.



Opis izdelka

- Okolju prijazno hladivo CO₂.
- Visoka učinkovitost preko rekuperacije v prezračevalnem modulu kot toplotni črpalki.
- Rotacijski izmenjevalec za optimalno delovanje v nordijski klimi.
- Delovanje kompresorja z visoko učinkovitostjo do -25°C.
- Energijsko učinkovita priprava sanitarne vode do 65°C brez uporabe grelca.
- Vse komponente so znotraj hiše, ni potrebe po zunanji enoti.
- Nizka vgradna moč.
- Vse v enem. Uravnano prezračevanje, topla voda in vodno ogrevanje za dom.
- Omogoča prerazporeditev (TEK17).
- Če je potrebno malo ogrevanja za hišo, se energija črpa neposredno iz rezervoarja brez zagona toplotne črpalke..

Automatsko krmiljenje

Vse funkcije notranje klimatske naprave se upravljajo preko aplikacije Flexit GO.



	GTIN	Model
800501	7023678005019	EcoNordic WH4 E4200

		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	370 m³/h @ 100 Pa	370 m³/h @ 100 Pa		
		103 l/s @ 100 Pa	103 l/s @ 100 Pa		
	Operating point	300 m³/h @ 100 Pa	300 m³/h @ 100 Pa		
	Component efficiency	84%	84%		
	Temperature efficiency	> 90 %	> 90 %		
SCOP (EN 14825)	3,22	3,22			
POWER	Rated voltage	400 V~3N	230 V~3		
	Instantaneous water heater output	3 kW (1 kW)	3 kW (1 kW)		
	Fuse size	3x16 A (3x10 A)	3x25 A (3x16 A)		
	Rated current, total	14.3 A (10.0 A)	22.3 A (14.8 A)		
	Rated power, total	6.4 kW (4.4 kW)	6.4 kW (4.4 kW)		
VENTILATION	Fan type	B-wheel	B-wheel		
	Fan motor control	0-10 V	0-10 V		
	Fan speed	3,750 maximum drive speed	3,750 maximum drive speed		
	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			
	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			
	Room temperature	Min. 3°C			

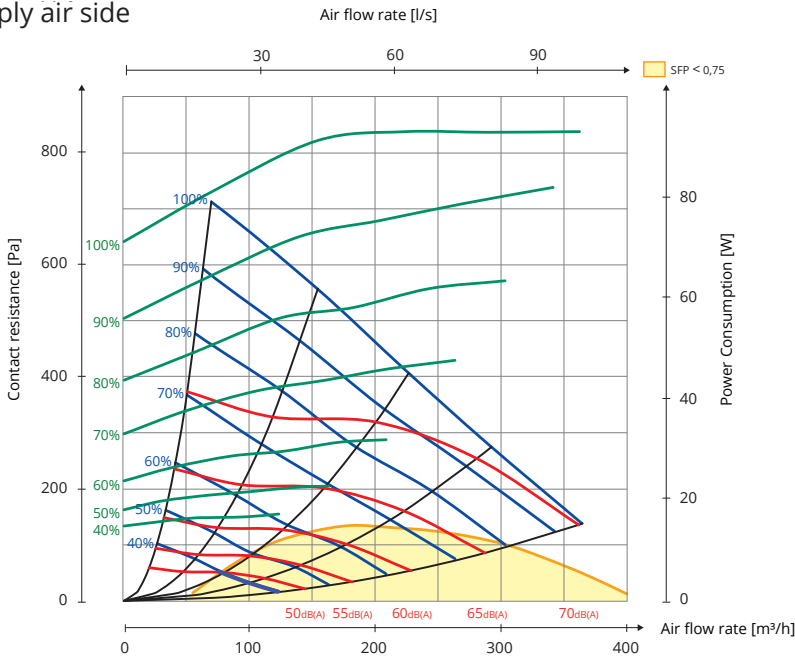
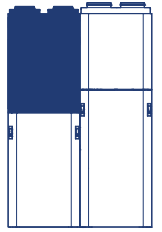
Energy class:



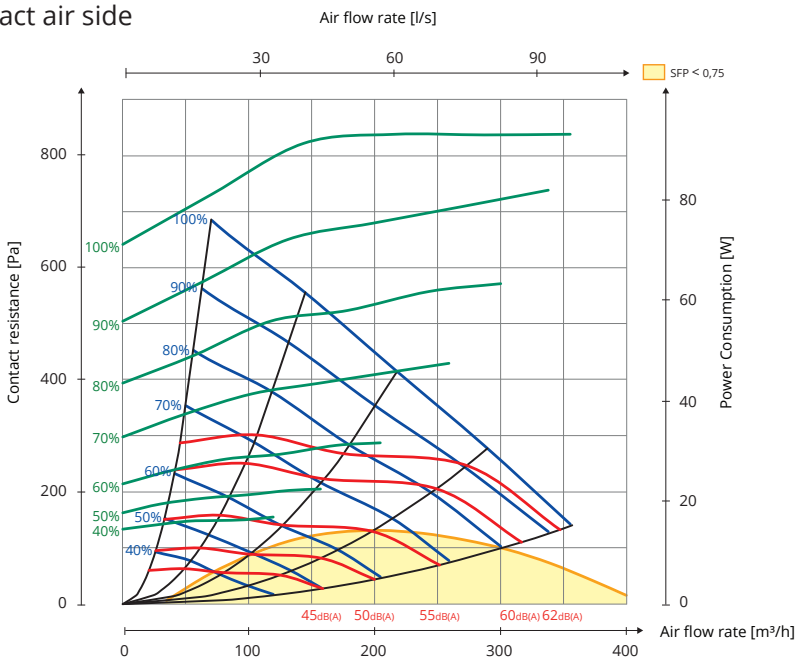
(average climatic conditions)

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	5	3	2	-2	-12	-9	-15	-20	
Extract air	5	3	2	-2	-12	-9	-15	-20	
Radiated	-31	-19	-14	-15	-16	-20	-26	-35	-12

Explanation of diagram:

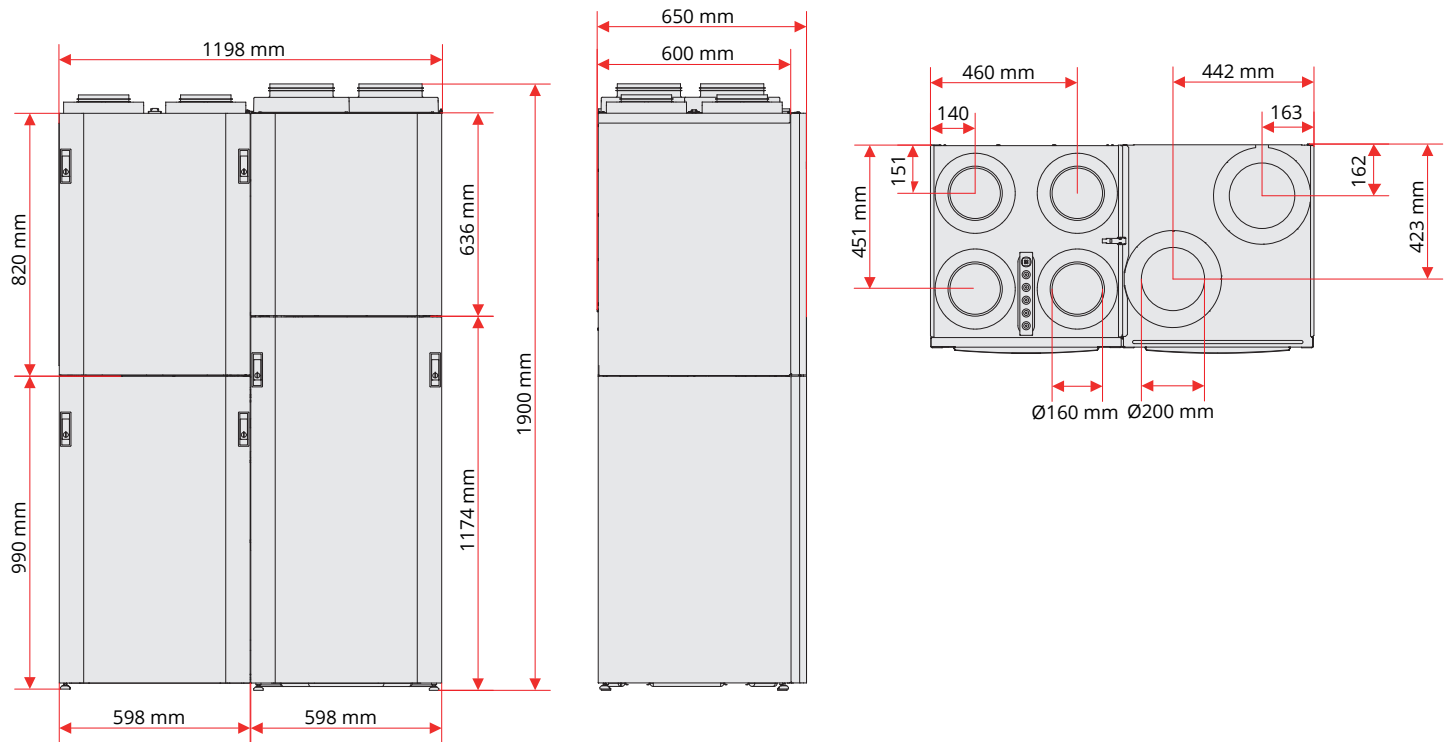
Sound data is specified as sound power level LwA in the capacity diagrams. (This is sound to duct.)

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).

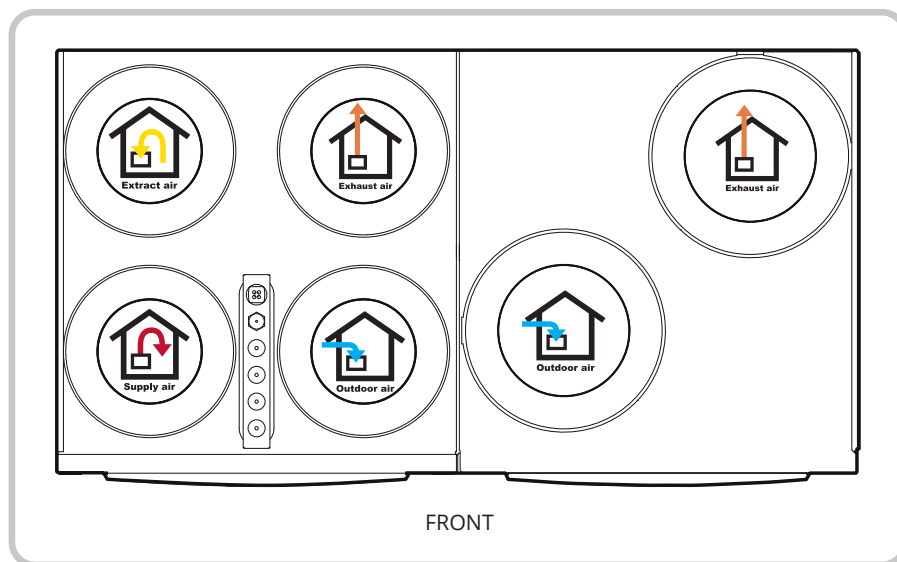
The correction table for the various octaves is stated in Lw, which means that the Lw values are after conversion of each octave for supply air and extract air.

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