

ELFORoom²

ELFORoom² 003.0÷017.0

Floor- or ceiling-mounted narrow fan coil with DC motor for heating and cooling

COMFORT



Heating
Cooling



Dehumidification



Follow Me



Anti cold air



Temperature
compensation

HEALTH



High density
filter



Air
purification

MANAGEMENT AND CONNECTIVITY



Potential-free
contact



Wired control



Centralised control
(optional)



Modbus
port



ELFOControl
management



input
0-10 V



Generator
demand

RELIABILITY



Eurovent

CONVENIENCE



Auto Restart



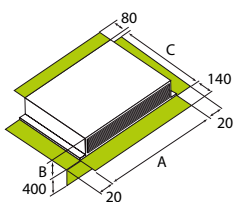
- ✓ Suitable for any installation: vertical or horizontal, cased or uncased
- ✓ Quiet and efficient, thanks to the fan's brushless DC motor
- ✓ Potential-free contact for generator demand and management with potential-free contact input or 0-10V input
- ✓ Optional germicidal UV lamp for air purification
- ✓ Management via Modbus port with connection to BMS system or ELFOControl

Ready for anything

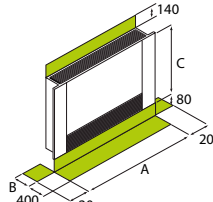
ELFORoom² is highly flexible, thanks to the availability of many accessories that enhance its potential. The unit can be managed with the on-board control, with LCD display and very discreet, with external thermostat, ON/OFF input via potential-free contact or input with 0-10V signal. Multiple ELFORoom² units can also be grouped together in mini-networks of up to 9 units with master/slave management

by thermostat or by ELFOControl³ EVO centraliser or BMS with Modbus protocol. The rest of the optional equipment is designed to facilitate installation: feet for fixing to the ground, recessed fan coil / grid kit to make uncased installations invisible, telescopic or 90° plenum for ducting.

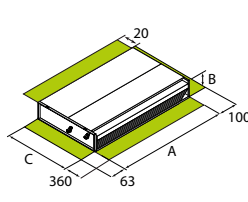
dimensions and connections



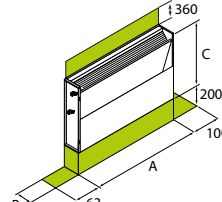
ELFORoom² OUTVOT
cased unit



ELFORoom² OUTVL-OUTVOT
cased unit



ELFORoom² INVOT
Uncased unit



ELFORoom² INVOT
Uncased unit

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

Size			003.0	005.0	011.0	015.0	017.0	
Dimensions	Cased unit	Length(A) x Height(C) x Depth(B)	mm	737x579x130	937x579x130	1.137x579x130	1.337x579x130	1.537x579x130
	Uncased unit	Length(A) x Height(C) x Depth(B)	mm	527x586x130	727x586x130	927x586x130	1.127x586x130	1.327x586x130
Weight	Cased unit		kg	17	20	23	26	29
	Uncased unit		kg	9	12	15	18	21
External diameter		Water	inch	3/4"				
		Condensate drain	mm	14				

configurations

BASIC CONFIGURATION:

OUTVL	Vertical cased with LCD display, continuous modulation DC motor, RS485 interface and built-in thermostat
OUTVOT	Vertical - Horizontal cased with continuous modulation DC motor, RS485 interface without built-in thermostat
OUTRAD	Vertical cased with continuous modulation DC motor, RS485 interface with built-in thermostat and ventilated radiant plate
INVOT	Vertical - Horizontal uncased with continuous modulation DC motor, RS485 interface without built-in thermostat

TYPE OF INSTALLATION:

-	2-pipe
B4T	4-pipe



















ELECTRONIC:

-	From selected configuration
CSEMP	Simplified electronic control with 4 speeds DC motor, built-in thermostat without RS485 interface (with option: OUTVL - OUTRAD)
SC3V	DC motor modulation electronic board for matching to 3 speeds thermostats
SC010	DC motor modulation electronic board for matching to 0-10V thermostats

AIR PURIFICATION:

-	Standard
UV	UV germicidal lamp kit with support

accessories

	KASPX	Return plenum kit		FXPPX	Floor fixing brackets kit
	GRA1X	Air outflow grille		KV3VBX	3-way valve kit with electrothermal head and balancing
	PR90MX	90° air outlet plenum		KV3B4X	3-way valve kit with electrothermal head and balancing for 4-pipe system (Available only with B4T)
	PMSTX	Telescopic upper supply plenum kit		KCMDX	Motor connection cables for unit with couplings on the right
	GMX	Outlet grille		HIDE1X	Electro-mechanical thermostat for wall installation with built-in temperature probe (ON/OFF - 3 speeds)
	BACKVX	Rear painted panel for cased units		HIDE2X	Electro-mechanical thermostat for wall installation with built-in temperature probe (ON/OFF - Cool/Heat - 3 speeds)
	PCIX	Uncased closure panel		HIDE3X	Electro-mechanical thermostat for wall installation with built-in temperature probe ()
	CSFIX	Formwork for uncased installation		HIDT3X	Electronic thermostat for wall installation with display and built-in humidity / temperature probes
	KPDX	Plinth kit		HIDT6X	Electronic thermostat for wall installation with built-in temperature probe

technical data

Size				003.0	005.0	011.0	015.0	017.0
Cooling	Total yield		kW	0,91	2,12	2,81	3,3	3,71
	Sensible yield	Water 7/12°C	kW	0,73	1,72	2,11	2,71	2,90
	Water flow-rate	Ambient air 27°C/19°Cwb Maximum ventilation speed	l/h	160	360	480	570	640
	Water pressure drop		kPa	12	8	17	18	21
Heating	Yield	Water 45/40°C	kW	1,02	2,21	3,01	3,81	4,32
	Water flow-rate	Ambient air 20°C	l/h	180	380	530	660	750
	Water pressure drop	Maximum ventilation speed	kPa	9	9	19	21	23
	Yield	Water 50°C/cooling water flow-rate	kW	1,2	2,59	3,6	4,53	5,1
	Water flow-rate	Ambient air 20°C	l/h	156	364	482	566	637
	Water pressure drop	Maximum ventilation speed	kPa	12	8	17	18	21
Power input		Minimum / Maximum	W	5 / 11	4 / 19	6 / 20	5 / 29	5 / 33
Operating pressure		Maximum	bar			10		
Airflow ¹		Minimum / Nominal / Maximum	m ³ /h	49 / 91 / 146	124 / 210 / 294	194 / 318 / 438	302 / 410 / 567	364 / 479 / 663
Sound power		Minimum / Maximum	dB(A)	33 / 51	35 / 53	36 / 54	36 / 55	37 / 57
Sound pressure @1m		Minimum / Maximum	dB(A)	24 / 41	25 / 42	26 / 44	26 / 46	28 / 47
Power supply	Voltage/Frequency/Phases		V/Hz/n°			230/50/1		

The Product is compliant with the Erp (regulation 2016/2281)

Sound levels tested in an anechoic chamber according to ISO 3744

(1) With clean filters