

AURAL ONE


HYDRONIC FAN COIL UNIT WITH CABINET
 PERFECT SOLUTION FOR HEATING AND COOLING
 MOTOR WITH DC INVERTER TECHNOLOGY
 AVAILABLE WITH LEFT OR RIGHT HYDRAULIC CONNECTIONS
 5 DIFFERENT POWER SIZES



- ▶ **Only 129mm deep**
- ▶ **Modern and elegant design**
- ▶ **Extremely silent**
- ▶ **Reduced electricity consumption**
- ▶ **Modulated air flow**
- ▶ **Wide range of controls matchable to the units**
- ▶ **Ceiling-mounted with condensation drip tray accessory**
- ▶ Super Silence' tangential fan for maximum silence
- ▶ External cover in high-strength galvanised and painted sheet metal, colour RAL9003
- ▶ Copper-aluminium heat exchange coil and brass manifolds with integrated air vent
- ▶ Honeycomb air filter easy to remove for cleaning
- ▶ 3/4" Eurocone hydraulic connections. Right or left connection versions available
- ▶ Installation jig and wall mounting brackets supplied


Available in the following models:






BASIC ON-BOARD MACHINE USER INTERFACE

- ▶ Fixed 4-speed control



PREMIUM ON-BOARD MACHINE USER INTERFACE

- ▶ Modulating speed control
- ▶ Touch screen interface

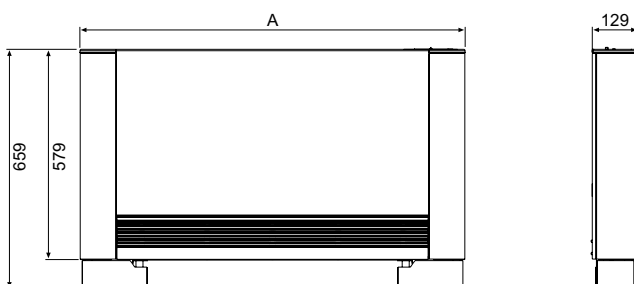


WALL-MOUNTED USER INTERFACE

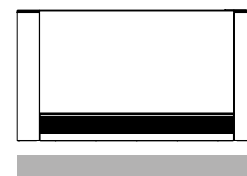
- ▶ Modulating speed control
- ▶ Touch screen interface
- ▶ Manages up to 30 units
- ▶ RS 485 Port
- ▶ Available in black or white version

Model	Code	Hydraulic connections side	Dimensions W x H x D	Gross weight
			mm	kg
One 20	LAU0MPV02S	LH	725x579x129	18
	LAU0MPV02D	RH		
One 40	LAU0MPV04S	LH	925x579x129	21
	LAU0MPV04D	RH		
One 60	LAU0MPV06S	LH	1125x579x129	24
	LAU0MPV06D	RH		
One 80	LAU0MPV08S	LH	1325x579x129	27
	LAU0MPV08D	RH		
One 100	LAU0MPV0AS	LH	1525x579x129	30
	LAU0MPV0AD	RH		

DIMENSIONS



Wall-mounted installation



Ceiling installation (with drip tray accessory)



Dimensions	um	ONE 20	ONE 40	ONE 60	ONE 80	ONE 100
A	mm	725	925	1125	1325	1525

Technical data	um	ONE 20	ONE 40	ONE 60	ONE 80	ONE 100
THERMAL DATA IN COOLING 7/12 (1)						
Total cooling capacity	kW	0,91	2,12	2,81	3,30	3,71
Sensible cooling power	kW	0,71	1,54	2,11	2,65	2,90
Cooling water flow rate	l/h	156	363	481	565	636
Cooling water pressure drop	kPa	12,1	8,2	17,1	18,0	21,2
THERMAL DATA IN HEATING 45/40 (2)						
Heating output	kW	1,02	2,21	3,02	3,81	4,32
Heating water flow rate	l/h	180	390	532	672	762
Water pressure drop in heating	kPa	9,1	9,2	19,1	21,2	23,3
THERMAL DATA IN HEATING 70/60 (3)						
Heating output	kW	2,06	4,43	5,95	7,68	8,71
Heating water flow rate	l/h	182	390	523	676	767
Water pressure drop in heating	kPa	8,8	8,9	18,3	20,4	22,4
HYDRAULIC DATA						
Coil water content	l	0,47	0,80	1,13	1,46	1,80
Maximum pressure	bar	10				
Hydraulic connections	-	3/4" EUROCONE				
AERAILIC DATA (4)						
Air flow rate at maximum speed	m ³ /h	146	294	438	567	663
Air flow rate at medium speed (AUTO mode)	m ³ /h	90	210	318	410	479
Air flow rate at minimum speed	m ³ /h	49	118	180	247	262
Maximum available static pressure	Pa	10	10	13	13	13
ELECTRIC DATA						
Supply voltage	V/ph/Hz	230/1/50				
Maximum electrical power consumption	W	11	19	20	29	33
Maximum absorbed power	A	0,11	0,16	0,18	0,26	0,28
Maximum electrical power at minimum speed	W	5	4	6	5	6
ACOUSTIC DATA						
Sound power at maximum speed (5)	dB(A)	54	54	54	55	57
Sound pressure at maximum speed (6)	dB(A)	41	42	44	46	47
Sound pressure at average speed (6)	dB(A)	33	34	34	35	38
Sound pressure at minimum speed (6)	dB(A)	24	25	26	26	28

(1) Water temperature 7/12°C, room temperature 27°C d.b. and 19°C w.b. (according to EN1397)

(2) Water temperature 45/40°C, room temperature 27°C d.b. and 19°C w.b. (according to EN1397)

(3) Water temperature 70/60°C, room temperature 27°C d.b. and 19°C w.b. (according to EN1397)

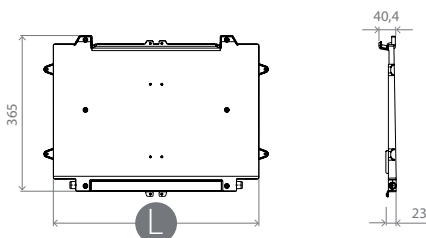
(4) Flow rate measured with clean filters

(5) Sound power measured according to EN16583

(6) Sound pressure measured at a distance of 1 m according to ISO7779

Item	Description	Code	Item	Description	Code
	Basic on-board machine - 4 speeds	LACOBOMA01		On-board electronic board for 3-speed thermostats connection	LASCHEDA01
	Premium on-board machine - modulating speed	LACOBOMA00		Lockshield assembly - 2-way motor valve	LAGRUPDE01
	On-board electronic board for wall control connection (LACOMPAR00 and LACOMPAR01)	LASCHEDA00		Lockshield assembly - 3-way motor valve	LAGRUPDE00
	Wall-mounted black (to be combined with LASCHEDA00 board)	LACOMPAR00		Adapters for flat gasket	LAGUAPIA00
	Wall-mounted white (to be combined with LASCHEDA00 board)	LACOMPAR01		Aesthetic feet	LAPIEDIN00

Horizontal ceiling condensation drip tray accessory



Description	L(mm)	Code
Condensation drip tray for ceiling installation 20	481	LABACOND00
Condensation drip tray for ceiling installation 40	681	LABACOND01
Condensation drip tray for ceiling installation 60	881	LABACOND02
Condensation drip tray for ceiling installation 80	1081	LABACOND03
Condensation drip tray for ceiling installation 100	1281	LABACOND04

