

# TECHNICAL SPECIFICATIONS

HCOMPACT2 MODEL		35	45M/45	55	65	80	90	120	160
COOLING MODE (kW)	Cc <sup>(1)</sup>	7,0	9,4	12,6	15,4	20,3	21,7	27,4	36,3
	Pa <sup>(3)</sup>	3,3	4,3	5,1	6,5	7,4	8,4	11,1	15,5
HEATING MODE (kW)	Pc <sup>(2)</sup>	8,7	10,7	14,0	16,8	21,0	22,9	30,2	40,5
	Pa <sup>(3)</sup>	2,9	3,6	4,7	5,6	6,4	7,3	9,4	13,3
AIR FLOW (m <sup>3</sup> /h)		2.500	3.500	4.100	4.600	6.500	7.000	10.000	12.200
DIMENSIONS (mm)	length	1.275	1.275	1.465	1.465	1.805	1.805	2.414	2.414
	width	1.025	1.025	1.165	1.165	1.505	1.505	1.920	1.920
	height	538	538	578	578	704	704	829	829

[1] cooling capacity given for indoor temperature conditions 27°C DB/19°C WB and 35°C DB  
 [2] heating capacity given for indoor temperature conditions 20°C DB / 19°C WB and 7°CDB/6°C WB outdoor temperature  
 [3] total power input of compressors and motorised fans



live well live purely live sustainably

from 7 to 40 kW



→ Air-air self-contained units

“HCompact2  
 The compact solution, with greater efficiency”



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# HCompact2

up to 40 kW

R-410a



# COMFORT

## → COMFORT AND RELIABILITY

Designed to meet air conditioning requirements in compliance with current regulations for commercial premises.

AVANT control is equipped with the following main functions as standard:

- Electronic control for different operating modes and operational parameters.
- Anti-short-cycle management.
- Control of supply Air Temperature (Proportional Integral Control).
- Intelligent "DEGIPAC" defrosting management (heat pump units).
- Control of condensation temperature and evaporation temperature of outdoor coil through pressure sensors (optional).
- Weekly and daily programming.
- Operating hours and start-ups of outlet fan, compressors and electrical heaters are saved.
- Diagnosis of faults and general alarms.

Temperature can be controlled by means of an ambient thermostat or an optional return sensor.

Various communication possibilities as option (BMS, LON, KNX...) and a new, customer-oriented TCO thermostat with numerous functions.



Display panel and ambient thermostat



## → EASY MAINTENANCE

**Accessibility.** HCompact2 has been designed to ensure easy access to the various sections in order to facilitate cleaning and maintenance.

The easy-access filters facilitate maintenance and can be removed from the side or from underneath. The registers on the ventilation sections provide easy access to fans, coils and condensate pans for cleaning and maintenance.

**Centralised control.** HCompact2 allows air conditioning to be controlled from a single point to meet targets for improving the air quality of indoor environments and increasing energy savings. The architecture of the AVANT control system allows the following remote subsystems and functions to be integrated:

- Hourly and weekly programming.
- Event programming.



## → ACOUSTIC COMFORT

The noise level of the standard version is adapted to urban environments. A **low noise version** of the HCompact2 is available for cases which require lower sound levels due to particular conditions of the building.

# AIR QUALITY

## → FILTRATION

HCompact2 has two optional filtration stages, one gravimetric (up to G4) and one opacimetric (from F6 to F9). Sensors determine the filter fouling level.

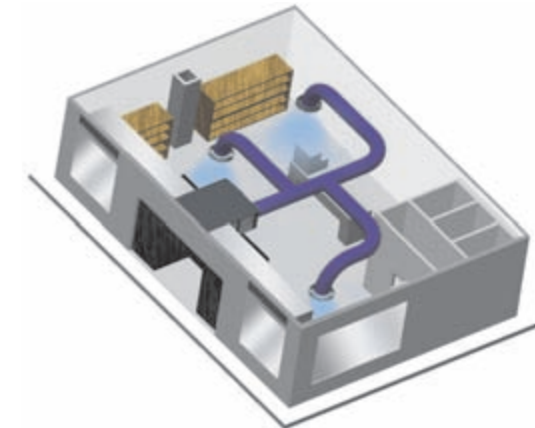
	IDA1	IDA2	IDA3	IDA4
ODA1	F7/F9	F6/F8	F6/F7	G4/F6
ODA2	F7/F9	F6/F8	F6/F7	G4/F6
ODA3	F7/F9	F6/F8	F6/F7	G4/F6
ODA4	F7/F9	F6/F8	F6/F7	G4/F6

\*ODA: Outdoor air quality  
\*IDA: Required air quality

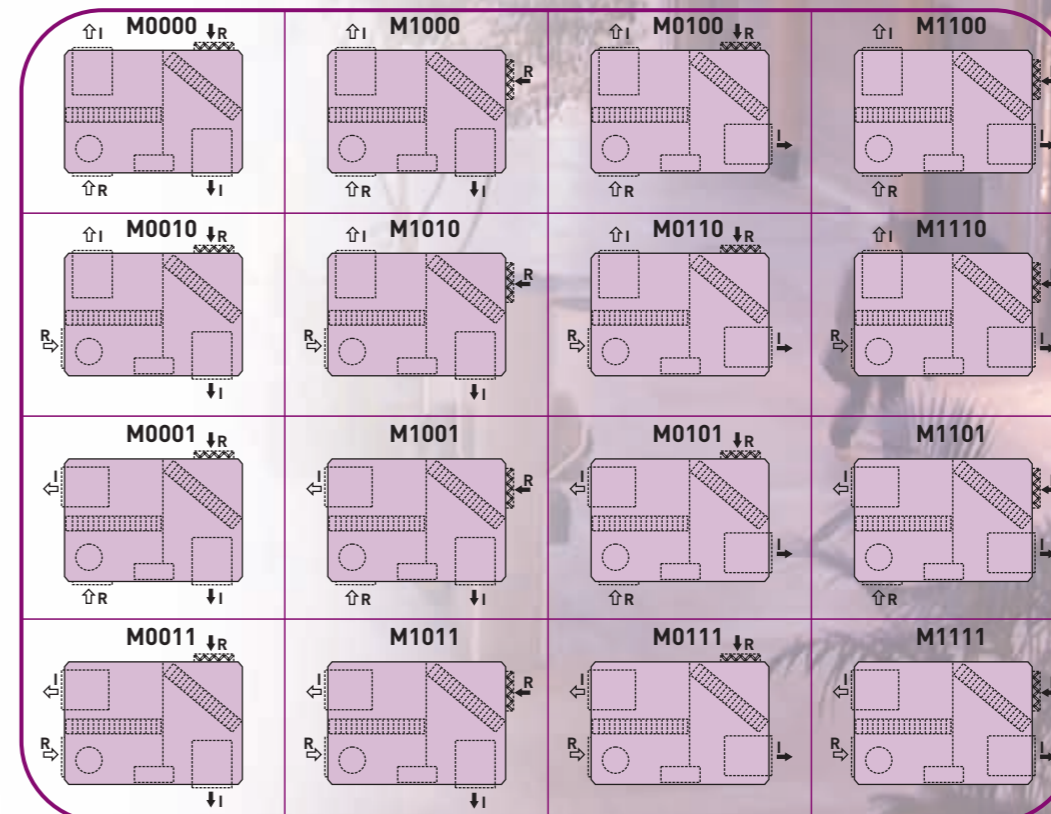
# EASY INSTALLATION

HCompact2 adapts to the requirements of the facilities by means of the following options:

- Orientation of the supply and/or discharge air.
- Available pressure from 25 to 600 Pa.
- Soft starter in fans and compressors, to adapt to electrical supply limits.
- Return panels interchangeable on site.
- Outdoor installation as option.



## → ASSEMBLIES



**Classification**  
Mwxyz

- Air outlet outdoor circuit: 0 = Standard, 1 = Option
- Air return outdoor circuit: 0 = Standard, 1 = Option
- Air outlet indoor circuit: 0 = Standard, 1 = Option
- Air return indoor circuit: 0 = Standard, 1 = Option

**Air circulation**

- ↖ = Air outlet outdoor circuit
- ↗ = Air return outdoor circuit
- ↙ = Air outlet indoor circuit
- ↘ = Air return indoor circuit

