

## Airovision air handling unit range

Based on a nominal filter loading of 1.11 m³/s

Width Module height	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
2.5	0.56	0.69	0.83																				
4	1.11	1.39	1.67	1.81	2.22	2.50	2.78	3.06	3.33														
6	1.67	2.22	2.50	2.92	3.33	3.75	4.17	4.72	5.00	5.56	5.83	6.39	6.67	7.22	7.50								
8			3.33	3.89	4.44	5.00	5.56	6.11	6.67	7.22	7.78	8.33	8.89	9.44	10.00	10.56	11.11	11.67	12.22	12.78	13.33		
10					5.56	6.39	6.94	7.64	8.33	9.03	9.72	10.56	11.11	11.94	12.50	13.33	13.89	14.72	15.28	16.11	16.67	17.50	
12						7.50	8.33	9.17	10.00	10.83	11.67	12.50	13.33	14.44	15.00	15.83	16.67	17.50	18.33	19.17	20.00	20.83	
14							11.67	12.78	13.61	14.72	15.56	16.67	17.50	18.61	19.44	20.56	21.39	22.50	23.33	24.44			
16								14.44	15.56	16.67	17.78	18.89	20.00	21.11	22.22	23.33	24.44	25.56	26.67	27.78			
18									22.50	23.89	25.00	26.39	27.50	28.89	30.00	31.39							
20										27.78	29.17	30.56	31.94	33.33	34.72								

Preferred range	Module dimension: 160 mm	Example: type 39HQ12.10
Combination with heat recovery	External width: n x module plus 98 mm	Width: 12 x 160 plus 98 = 2.018 mm
Other sizes	External height: n x module plus 98 mm	Height: 10 x 160 plus 98 = 1.698 mm
	Base frame height: 160 mm or 62 mm	Nominal air flow: 8.33 m³/s

\* Note: larger sizes possible

Based on a velocity of 3 m/s across the cooling coil

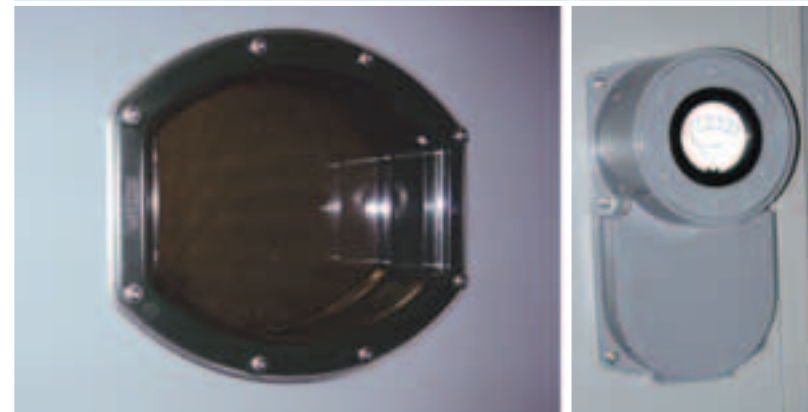
Width Module height	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
2.5	0.35	0.49	0.63																				
4	0.63	0.88	1.11	1.36	1.60	1.86	2.14	2.36	2.64														
6	1.03	1.39	1.81	2.15	2.57	2.99	3.33	3.75	4.17	4.58	5.00	5.42	5.83	6.25	6.67								
8			2.50	3.06	3.61	4.10	4.58	5.21	5.83	6.25	6.81	7.36	7.92	8.47	9.03	9.58	10.14	10.69	11.25	11.81	12.36		
10					4.58	5.28	5.83	6.67	7.36	8.06	8.61	9.31	10.00	10.79	11.39	12.08	12.78	13.61	14.17	15.00	15.83	16.67	
12						6.25	7.08	7.92	8.89	9.72	10.49	11.39	12.22	13.06	13.89	14.72	15.56	16.39	17.22	18.06	18.89	19.72	
14									10.42	11.53	12.22	13.33	14.31	15.28	16.39	17.50	18.47	19.44	20.56	21.67	22.78	23.61	
16									12.78	13.89	15.00	16.11	17.22	17.78	18.75	20.00	20.97	22.22	23.33	24.72	25.83	26.94	
18										21.11	22.22	23.33	24.44	25.56	26.67	27.78	28.89						
20											25.83	27.22	28.61	30.00	31.39	32.78							

Preferred range	Module dimension: 160 mm	Example: type 39HQ12.10
Combination with heat recovery	External width: n x module plus 98 mm	Width: 12 x 160 plus 98 = 2.018 mm
Other sizes	External height: n x module plus 98 mm	Height: 10 x 160 plus 98 = 1.698 mm
	Base frame height: 160 mm or 62 mm	Nominal air flow: 7.36 m³/s

\* Note: larger sizes possible

A customised Airovision unit for every application

### Airovision accessories



View port Metering console

### Long operating life

- Filter frames made of stainless steel
- Cooling coils with integrated stainless steel drain pan and plastic droplet eliminator housed in an aluminium frame
- No condensation in the panels thanks to the special panel design and frame detail
- Fully painted internally and externally as standard
- Aluminium dampers

### Low maintenance costs

- Various inspection options with generously sized access doors (figure 4)
- Completely smooth inside surfaces
- Filters easily removable (figure 3)
- Droplet eliminator after the cooling coil easily removable

### Optimal energy efficiency

- Special sorption heat recovery wheels for optimised recovery of heat, cold and humidity (figure 2)
- High-efficiency centrifugal fan (figure 1)

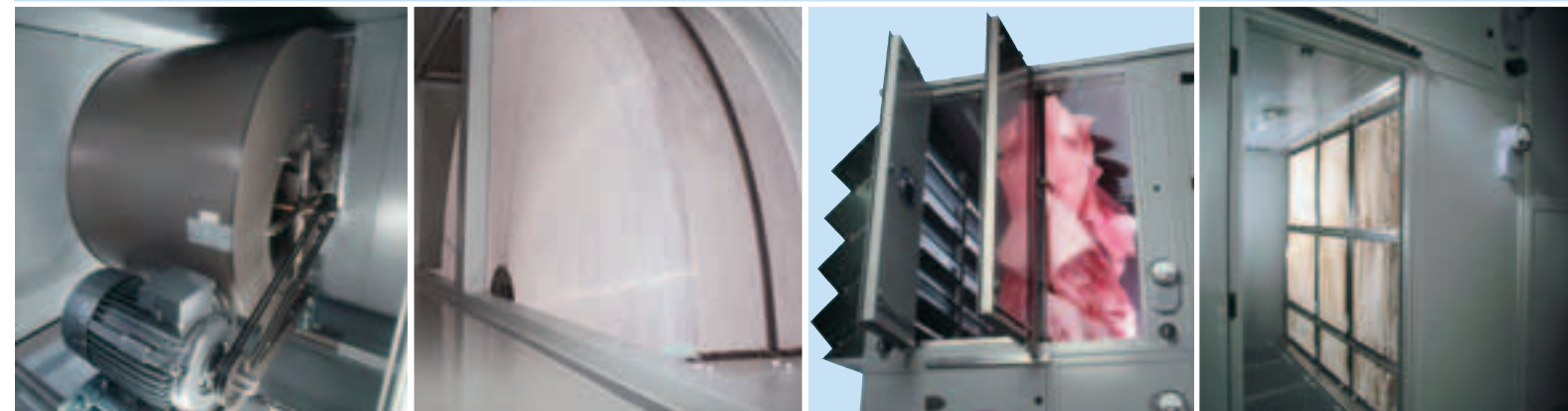


Figure 1 Figure 2 Figure 3 Figure 4

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The manufacturer reserves the right to change the specifications in this document without prior notice.  
Order No. 13935-11.05.2005

Quick selection brochure

# Central air handling units



innovation, quality and customisation



# 39HQ

- Modular construction
- Long operating life
- Optimal energy efficiency
- Environmentally friendly

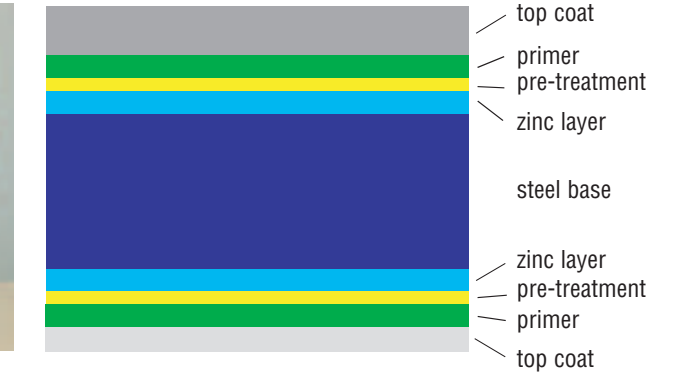
### Airovision casing wall construction

Classification in accordance with EN1886

- Profiled steel frame construction
- Panels with 60 mm thick thermal insulation
- Thermal transmittance coefficient class T2
- Thermal bridging factor TB2
- Mechanical strength class 2A/1A (D1/D2)
- Leakage class B (L2)
- Filter bypass leakage class F9



The panels are made of robust galvanised steel treated with a weather- and scratch-resistant polymer coating on both sides.



## Carrier Holland Heating innovation, quality and customisation

### Casing constructions

The air handling units are supplied in modular sections, but can also be made up completely from frames and panels on site

#### Standard casing:

- Panels made of pre-painted galvanised steel
- PIR insulation in floor panels
- Mineral wool insulation in wall panels and doors
- Frames polyester powder coated galvanised steel
- Base frames polyester powder coated galvanised steel box section

#### Options:

- Acoustic casing:**
  - 1.25 mm external panel
  - Inside panel supplied with additional galvanised steel sheet (2.5 mm) as standard

#### Colour choice for coated panels and frames:

- Standard colour grey (RAL 7042)
- Other colours available on request

#### Casing wall construction inside wall in stainless steel, 316L:

- Stainless steel inside panels and centre frames
- Corner posts, external panels and base frame, as standard construction

#### Casing wall construction completely in stainless steel, 316L:

- Panels and all frames in stainless steel
- Base frame, as standard construction

A customised Airovision unit for every application

