

COMPACT AIR HANDLING UNIT MANDÍK



THE MOST FLEXIBLE COMPACT UNIT ON THE MARKET

The air handling unit can always be adapted to any design requirement. It is a unique product on the European market thanks to its dynamic structural and dimensional variability depending on selected elements. In addition, the compactness of the unit results in substantial cost and space savings.

- The unit can be delivered in a wide range of types and versions in range of air flow from 500 to 8000 m³/h
- Nominal air flow 2000, 2500, 3150, 4000, 5000, 6300, 8000 m³/h
- Frameless casing of the unit

Excellent casing parameters according to EN 1886 – certified by TÜV-SÜD Munich MB583QW

Casing strength: D1 (M)

Casing leakage class: L1 (M)

Leakage between the filter and the frame: < 0.5 % – F9 (M)

Thermal bridges: TB2

Thermal insulation: T3

Casing attenuation (dB) in the range 125 Hz – 8 kHz:

15.8	23.6	31.3	37.3	39.5	39.7	43.2
------	------	------	------	------	------	------

- Heat recovery with plate heat exchanger, recuperator capacity control by means of a by-pass damper, possibility of parallel flow or counter flow, variable recuperation efficiency – up to 85 %
- Fans – direct driven – asynchronous/EC motors, compact assemblies meeting the ErP Directive requirements for the year 2015
- Filtration – G3 to F9, optional prefilter
- Air conditioning – heating (water, electric, steam), cooling (water, evaporator), including mixing section of the hot-water heat exchanger
- The unit can be equipped with a heat pump
- Possible combination with gas heaters installed in the piping
- Air mixing/circulation
- The unit can be designed in energy classes A+ to E according to the requirements of EN 13053

- Inlet/outlet flanges on the top of the unit, possible SUP and EXA in side and in back
- Service side on one – front side; the unit can be enclosed from all the other sides
- Attention to maximum access to unit components for service and maintenance
- Optional external/internal surface finish by powder coating in any RAL shade
- Right/Left version
- Correctly shaped trays of the heat recovery recuperator
- Can be equipped with droplet eliminator
- Base frame can be equipped with feet
- The unit can be equipped with a control system already in manufacture, including its setting and debugging



MANDÍK®

MANDÍK, a. s.

Dobříšská 550

267 24 HOSTOMICE

Czech Republic

Tel.: +420 311 706 706

Fax: +420 311 584 810

E-mail: mandik@mandik.cz

www.mandik.cz

Issue date: February 2014