

HYTING AirSYS RTU










Compact rooftop unit with an integrated, hydrogen-fueled HYTING heat generator



HYTING AirSYS RTU 6000

FULL OR PEAK HEATING WITH HYDROGEN

The solution for industrial and commercial buildings with basic ventilation needs

-  **Plug & Play:** Easy setup and installation, requires only minimal coordination with other trades
-  **Compact Functionality:** Ventilation, heating, and optional free cooling in one unit
-  **Flexible:** Usable as zone heating or for the entire building
-  **CAPEX Savings:** No additional ventilation infrastructure required
-  **Peak Load Management:** Can be combined with heat pump for peak shaving
-  **Customized Solutions:** Special options like waste heat utilization available
-  **High Modulation Range:** 1:10
-  **Certified:** Fully approved for field operation
-  **Zero Emissions:** No CO₂, CO, NO_x or particulate matters

TECHNICAL DATA – AIRSYS RTU

| | AirSYS RTU 6000 | AirSYS RTU 9000 |
|--|--|-----------------|
| Airflow rate at 300 Pa ext. | 6,000 m³/h | 9,000 m³/h |
| Power connection | 400 V / 50 Hz ~3 phases | |
| Free cooling | optional | |
| Air volume control | constant volume/ constant pressure CAV / VAV | |
| Motor/ ventilator | EC - backward-curved impeller | |
| Motor protection class | IP54 | |
| Housing insulation thickness/ material | 40 mm / mineral wool | |
| Filter | ePM 2.5 (≥65%) F7 | |
| Peak performance of HYTING H2 heat generator | 10 kW / 25 kW / 50 kW | 50 kW |
| Modulation range | 1:10 | |
| Hydrogen consumption | 0.01 - 1.3 kg/h | 0.07 - 1.3 kg/h |
| Thermal energy generated per kg of hydrogen | 37.4 kWh | |
| Thermal efficiency* | 114% | |
| Gas connection pipe diameter | 3/4" | |
| Gas connection pressure | 20 mbar | |
| Max. allowable gas connection pressure | 60 mbar | |
| Minimum hydrogen class requirement | group A | |
| Cooling & heating with heat pump | optional as AirSYS RTU hybrid | |
| Weight | 550 kg | tbd |
| Dimensions with roof (W x H x D) | 3,068 x 1,097 x 1,295 mm | tbd |
| Installation options / operating ambient temperature | outdoor installation / - 20°C to + 40°C | |
| BMS communciation options | Modbus (RS-485), BACnet, web (cloud), KNX | |

* in % of the net calorific value of hydrogen