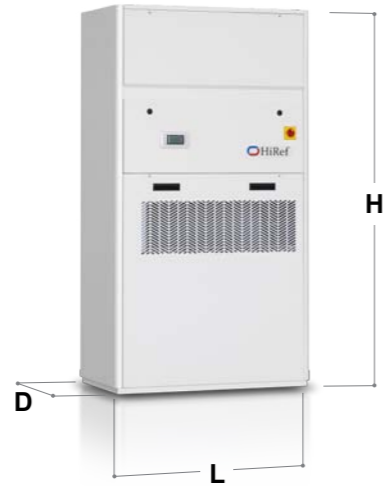


HTU

INDOOR MONOBLOC UNITS

FOR TECHNOLOGICAL EQUIPMENT SHELTERS UPFLOW VERSION



		00451	00561	00731	00901	01051	01201	01501	01701	01801	02001	02201	02501
Inlet air 27°C - 40% r.h.; Outside air temperature 35°C													
Total cooling capacity	kW	4.3	6.0	7.0	10.8	10.6	12.7	14.9	16.3	17.8	20.9	24.8	27.9
SHR	-	1.0	0.9	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9
Refrigeration cycle EER	-	4.2	3.5	3.2	3.7	3.3	2.8	3.4	2.9	4.2	3.2	3.8	3.5
Total absorbed power	kW	1.4	2.1	2.8	4.0	4.4	5.7	5.6	6.8	5.5	7.9	8.6	10.1
Inlet air 30°C - 35% r.h.; Outside air temperature 35°C													
Total cooling capacity	kW	4.7	6.2	7.3	11.3	11.3	13.3	15.7	17.1	19.0	22.5	26.3	29.1
SHR	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Refrigeration cycle EER	-	4.5	3.6	3.4	3.9	3.4	2.9	3.5	3.0	4.4	3.4	3.9	3.6
Total absorbed power	kW	1.4	2.1	2.8	4.0	4.4	5.7	5.6	6.8	5.5	7.9	8.6	10.1
Evaporator air flow	m ³ /h	1450	1450	2100	3020	3020	3020	3800	3800	5500	5500	6500	6500
Condenser air flow	m ³ /h	2250	2250	2250	3750	3750	3750	4700	4700	5500	5500	8800	8800
Power supply	V/ph/Hz	230 / 1 / 50					400 / 3+N / 50						
Dimensions (L x H x D)	mm	800x1850x550			1000x1850x550			1160x1850x550		1500x2050x800			

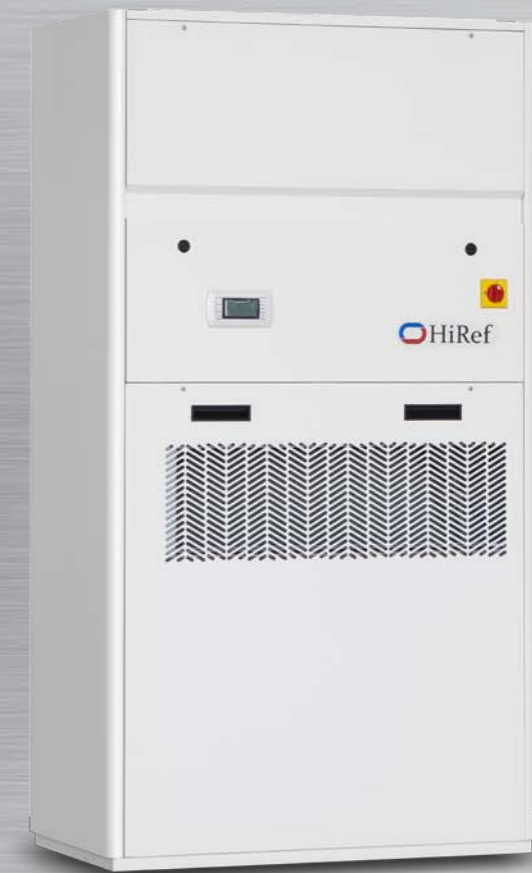
Also available with 60 Hz power supply

ITALIAN
COOLING
SOLUTIONS

INDOOR MONOBLOC UNITS

FOR SHELTERS HOUSING TECHNOLOGICAL EQUIPMENT - UPFLOW VERSION

HTU



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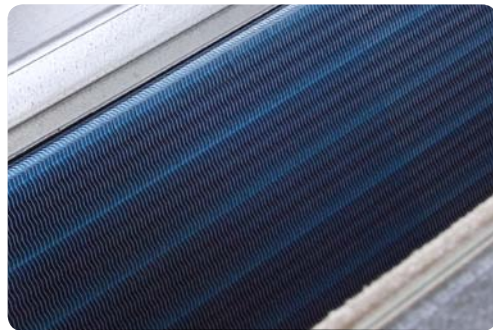
4 - 28 kW



HTU

INDOOR MONOBLOC UNITS FOR TECHNOLOGICAL EQUIPMENT SHELTERS - UPFLOW VERSION

● SHELTER SAFETY



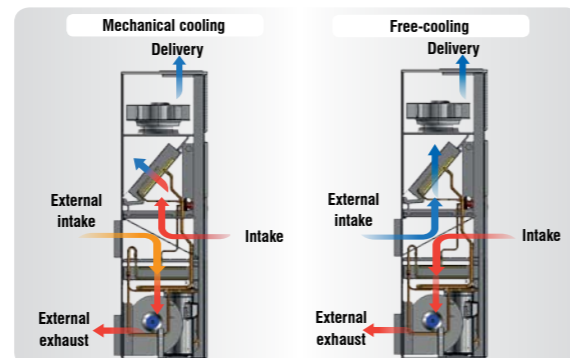
All models in the HTU range feature evaporating coils with hydrophilic coating. This special coating - together with an adequate adjustment of air through-flow speeds - helps condensate collection during the dehumidification process, avoiding dripping on the inside and outside of the unit.

● SIMPLE & FAST INSTALLATION

The monobloc construction ensures fast installation as no connecting refrigeration piping needs on-site laying. Thanks to the Plug & Play configuration, wall mounting and electrical connection of the unit are considerably simplified.



● MAXIMISED ENERGY SAVING WITH DIRECT FREE-COOLING



The units can be equipped (on request) with a direct Free-Cooling module. This system, which can also be retrofitted on site on units already in operation, reduces compressor work requirements and, under full Free-Cooling conditions, allows the compressor to be turned off, with major effects on the system PUE (Power Usage Effectiveness).

● MAXIMISED REDUNDANCY



Where coupled with DUAL power supply (mains+DC power system), the operating mode according to the Free-Cooling system maintains the environmental thermal conditions unaltered even in the event of a power failure. This will ensure uninterrupted operation of the conditioning system.

Our HTU series conditioners are indoor monobloc units designed for small equipment rooms and telecom shelters. The special configuration with downward air delivery makes these units ideal for spaces with double flooring. Thanks to the various configurations available, the range is very versatile and thus suited to many system set-ups, plus the accurate thermodynamic and air distribution design enhances energy efficiency.

● UNIT SUITABLE FOR ANY KIND OF CLIMATE AND ENVIRONMENT

Depending on the environment in which the unit is installed, different outfitting layouts and configurations are available.

- The high temperature version with R134a refrigerant and specific condensing fan is suitable for applications where the outside air temperature is higher than 45°C.
- The unit will start even in extreme environmental conditions (60°C indoor and 60°C outdoor temperatures).
- In the case of extremely cold climates (down to -40 C), a version for low outdoor temperatures is available, equipped with silicone cables, Free-Cooling damper with own servomotor and heated with electric heating elements, dual casing heater and electrically heated control panel.
- For aggressive environments, dedicated metalwork can be ordered with 160 μm double paint coating or made of AISI 316 stainless steel alloy.



● EASIER SCHEDULED MAINTENANCE

The unit has been painstakingly designed to ensure frontal access to components even with the units running. This aspect, combined with the fully removable filters and Free-Cooling damper, is particularly advantageous for routine maintenance operations.



- » R410A refrigerant, also available with R134a
- » Available version with dual power supply for emergencies: mains 230/400 V and emergency 24/48 VDC
- » Electronically controlled optional expansion valve
- » Evaporating and condensing side fans available with EC motor
- » Control panel in separate enclosure
- » Machine on-board control microprocessor
- » Epoxy powder painted structural metalwork supplied standard