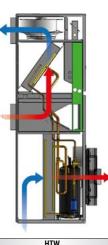


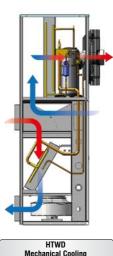
## HTW/HTWD

## **OUTDOOR MONOBLOC RANGE**

FOR SHELTERS DESIGNED FOR TECHNOLOGICAL EQUIPMENT



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"		HTW0451	HTW0561	HTW0731	11711/0000	HTW0901	HTW1051	HTW1102	HTW1201	HTW1302	HTW1451	117110200	HTW2902	
		HTWD0451	HTWD0561	HTWD0731	HTW0902	HTWD0901	HTWD1051	HIWIIU2	HTWD1201		HTWD1451	HTW2302	HTW2902	
		Inlet air 27°C - 40% r.h.; Outside air 35°C												
Total cooling capacity	kW	4.3	5.9	7.2	5.1	10.1	10.8	7.1	12.7	9.3	14.4	15.0	18.9	
SHR	-	1.0	0.9	0.9	1.0	0.9	1.0	1.0	0.9	1.0	0.9	1.0	1.0	
Refrigeration cycle EER	-	4.2	3.5	3.6	5.3	3.5	3.4	4.7	2.8	5.3	3.3	5.3	4.8	
Total absorbed power	kW	1.3	1.9	2.4	1.3	3.2	3.9	2.2	5.2	2.5	5.1	3.5	4.7	
		Inlet air 30°C - 35% r.h.; Outside air 35°C												
Total cooling capacity	kW	4.6	6.1	7.5	5.4	10.5	11.5	7.5	13.3	9.5	15.0	15.0	20.2	
SHR	-	1.0	0.9	0.9	1.0	0.9	1.0	1.0	0.9	1.0	0.9	1.0	1.0	
Refrigeration cycle EER	-	4.4	3.6	3.7	5.7	3.7	3.6	4.9	2.9	5.4	3.4	5.3	5.1	
Total absorbed power	kW	1.3	2.0	2.4	1.3	3.2	3.9	2.3	5.3	2.5	5.2	3.5	4.7	
Evaporator air flow	m3/h	1450	1450	2150	2800	3020	3020	2800	3020	2800	3020	6500	6500	
Condenser air flow	m3/h	3450	3350	3350	5100	5100	5100	5100	4415	4415	4415	8000	8000	
Power supply	V/ph/Hz	230 / 1 / 50					400 / 3+N / 50							
HTW Dimensions (L x H x D)	mm	804x1580x498			999x1790 x596	999x16	30x596	999x1790x596			1600x2100x600			
HTWD Dimensions (L x H x D)	mm	846x1580x688			-	1050x1	700x790			1050x1850 x790	0 -			

Also available with 60 Hz power supply

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## **OUTDOOR MONOBLOC RANGE** FOR SHELTERS DESIGNED FOR TECHNOLOGICAL EQUIPMENT





#### 4 - 20 kW

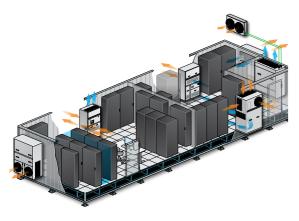


# HTW/HTWD

### **OUTDOOR MONOBLOC RANGE** FOR SHELTERS DESIGNED FOR TECHNOLOGICAL EQUIPMENT

#### MAXIMISED SHELTER **INTERNAL SPACE**

The units of the **HTW-HTWD** series are designed to be installed externally to the shelter: in this way, all the available internal space can be used for IT equipment installation.



#### SHELTER SAFETY

All models in the outdoor monobloc units range feature hydrophilic coating.

This special coating - together with adequate adjustment of air through-flow speeds - helps condensate collection during the dehumidification process, avoiding dripping on the inside and outside of the unit.



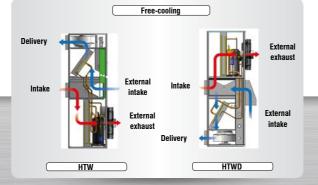
#### SCHEDULED MAINTENANCE MADE EASIER

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



#### 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 (partial Free-Cooling) and, under full Free-Cooling conditions, allows the compressor to be turned off, with major effects on the system PUE (Power Usage Effectiveness).



The conditioners of the **HTW-HTWD** series are monobloc units designed for the air conditioning of small- and medium-sized telephone exchange centres. Designed for external wall mounting, they are suitable for conditioning control centres with limited internal space or space entirely taken up by technological equipment. The rational layout of the components, combined with the wide range of accessories available, make the units easy to install and suitable for different shelter configurations; the accurate thermodynamic and aeraulic 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 with outdoors).
- In the case of extremely cold climates (down to -40 C), a version for low outdoor temperatures is available, equipped heater and electrically heated control panel.
- For aggressive environments, dedicated metalwork can be ordered with 160  $\mu$ m double paint coating or made of AISI 316 stainless steel alloy.

#### 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 (rain shields to be installed on the external wall are available on request).

#### MAXIMISED REDUNDANCY

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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 mains power failure. This will ensure uninterrupted operation of the conditioning system.

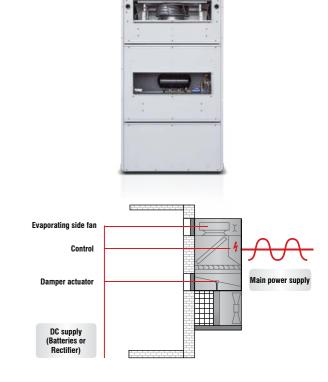


outdoor air temperature above 45°C. The unit is capable of starting even in extreme conditions (60°C indoors and 60°C

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with silicone cables, Free-Cooling damper with own servomotor and heated with electric heating elements, dual casing



» Refrigerant R410A. Also available with R513A and

» Available version with dual power supply for emergencies: mains 230/400 V and emergency 24/48 VDC

» Stainless steel condensate drain pan

» Evaporating and condensing side fans available with EC

» Epoxy powder painted structural metalwork supplied

>> De-humidify function