



# SOLUTIONS FOR AIR CONDITIONING



*Conditioning your ambient,  
maximising your comfort.*



Cooling, conditioning, purifying.



## Solutions for Air Conditioning

The extensive MTA product range is perfectly aligned to the needs of the Air Conditioning market. Optimal refrigerant R410A, R134a and R513A equipped ranges, while highest quality and compact construction ensure control. Heat Recovery versions are available for most ranges. Furthermore, MTA's extensive range of options we have the ideal solution.

### Air-cooled chillers

The most classic configuration, ideal for both residential and commercial applications. MTA offers models from 6 to 1220 kW with rotary, multiple scroll and screw compressors. Are available refrigerant R410A (Tech series) and R134a and R513A (Plus series). Both plate and shell & tube evaporators are available, and most ranges feature internal hydronic groups with integral pumps. The application of the most advanced technologies ensures optimized seasonal energy efficiency values, compliant with ErP regulation. The wide range of models and generous options list ensure that MTA can offer the right solution for all individual needs.

### Water-cooled chillers

Water-cooled chillers offer extremely high energy efficiency levels, as well as particularly low noise levels and are the ideal solution if

a cooling water source is available. They are particularly well suited for indoor installation, thanks also to their compact dimensions. Cooling capacities from 4 to 1500 kW are available, with various ranges offering multiple scroll and screw compressors. Refrigerant R134a (Plus series) and R410A (Tech series) are offered. Numerous accessories allow personalization to all individual needs.

### Heat pumps

MTA's product range features elevated COP levels and offer reversibility either on the refrigerant or water side. MTA offers both air-cooled and water-cooled models in R410A (Tech series) and R134a (Plus series) with rotary, scroll or screw compressors. Heating capacities from 6 to 356 kW (air-cooled) and from 5 to 1686 kW (water-cooled).

#### TAURUS Tech

Cooling capacity: 73,2 - 149,8 kW;  
Unit category: air-cooled chillers;  
Compressors: scroll;  
Refrigerant: R410A.



#### ARIES Tech 2

Cooling capacity: 164 - 645 kW;  
Unit category: air-cooled chillers;  
Compressors: scroll;  
Refrigerant: R410A.



#### PHOENIX Plus 2

Cooling capacity: 261 - 693 kW;  
Unit category: air-cooled chillers;  
Compressors: screw;  
Refrigerant: R513A.



#### HCYGNUS Tech

Cooling capacity: 6 - 56 kW;  
Heating capacity: 7,4 - 67 kW;  
Unit category: air/water heat pumps;  
Compressors: rotary, scroll;  
Refrigerant: R410A.



#### HTAURUS Tech

Cooling capacity: 64 - 135 kW;  
Heating capacity: 76 - 160 kW;  
Unit category: air/water heat pumps;  
Compressors: scroll;  
Refrigerant: R410A.



#### HARIES Tech

Cooling capacity: 148 - 310 kW;  
Heating capacity: 166 - 356 kW;  
Unit category: air/water heat pumps;  
Compressors: scroll;  
Refrigerant: R410A.





num energy efficiency in real world conditions is an MTA hallmark thanks also to the implementation of sure notable reliability levels. Advanced microprocessor control technology offers ease of use and precise tions and accessories, as well as specially engineered solutions, ensure that whatever your requirement,

### Hydronic terminal units

The Hydronics Terminal Units EURUS are the perfect partner for MTA's chillers and heat pumps. They offer flexibility as well as very precise temperature control, allowing individual control of single ambients within a multi-ambient building. MTA offers a complete range of models for differing installation needs and with a complete set of accessories and configurations for all User needs. The EURUS range includes fancoils for floor, ceiling, concealed and ductable or cassette units. The power ranges are from 0,6 to 11 kW cooling capacity and from 0.8 to 14 kW heating capacity.

### Modular dry-coolers

The dry-coolers FC4TAE and FC4ALL allows to integrate free-cooling technology in hydronic systems. The integration can take place, both in the project phase for new plants, or in the of upgrading process of existing plants to improve its energy performance and reduce the electricity consumption. The range is composed by seven models and cover a cooling power from 18 to 407 kW. These moduls can be combined with the AST2, GLT, PNP and PNP2 units.

### Supervisors and connectivity

MTA's xCONNECT, a world of connectivity, range allows easy connection to BMS systems, LAN, Ethernet and MTA's xWEB. Smart-phone and tablet, plus USB interfacing, is also offered.

#### GALAXY Tech

Cooling capacity: 711 - 987 kW;  
Unit category: air-cooled chillers;  
Compressors: scroll;  
Refrigerant: R410A.



#### PHOENIX Plus

Cooling capacity: 711 - 1220 kW;  
Unit category: air-cooled chillers;  
Compressors: screw;  
Refrigerant: R513A.



#### iHCYGNUS Tech inverter

Cooling capacity: 5,2 - 44 kW;  
Heating capacity: 6 - 50,1 kW;  
Unit category: air/water heat pumps;  
Compressors: scroll inverter;  
Refrigerant: R410A.



#### HOCEAN Tech

Cooling capacity: 4 - 175 kW;  
Heating capacity: 5 - 197 kW;  
Unit category: water cooled chillers and heat pumps;  
Compressors: rotary, scroll;  
Refrigerant: R410A.



#### NEPTUNE Tech

Cooling capacity: 224 - 583 kW;  
Heating capacity: 270 - 693 kW;  
Unit category: water cooled chillers and heat pumps;  
Compressors: scroll;  
Refrigerant: R410A.



#### AQUARIUS Plus 2

Cooling capacity: 355 - 1597 kW;  
Heating capacity: 343 - 1686 kW;  
Unit category: water cooled chillers and heat pumps;  
Compressors: screw;  
Refrigerant: R134a.





www.mta-it.com



The images of the products in the document are for illustrative purposes only and therefore do not have any contractual value.

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MTA is represented in over 80 countries worldwide. For information concerning your nearest MTA representative please contact M.T.A. S.p.A.

The data contained herein is not binding. With a view to continuous improvement, MTA SpA reserves the right to make changes without prior notice.



MTA is ISO9001 certified, a sign of its commitment to complete customer satisfaction.



MTA products comply with European safety directives, as recognised by the CE symbol.



MTA participates in the E.C.C. programme for LCP-HP. Certified products are listed on: [www.eurovent-certification.com](http://www.eurovent-certification.com)  
- Air/Water with cooling capacity up to 600 kW  
- Water/Water up to 1500 kW



EAC Declaration



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