



# 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. Optimum energy efficiency in real world conditions is an MTA hallmark thanks also to the implementation of refrigerant R410A, and R134a equipped ranges, whilst highest quality and robust construction ensure notable reliability levels. Advanced microprocessor control technology offers ease of use and precise control. Heat Recovery versions are available for most ranges. Furthermore, MTA's extensive range of options and accessories, as well as specially engineered solutions, ensure that whatever your requirement, we have the ideal solution.

### Air-cooled chillers

The most classic configuration, ideal for both residential and commercial applications. MTA offers models from 4 to 1111 kW with rotary, multiple scroll and screw compressors. Are available refrigerant R410A (Tech series) and R134a (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.

### Free-cooling modules

The optimized free-cooling level can be reached by combining among themselves the multiple modules thus allowing the user to reach the desired efficiency. They can be used in stand alone mode or integrated into a chiller unit, transforming the chiller into a free-cooling after the chiller installation on site.

### 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 7 to 359 kW (air-cooled) and from 5 to 1787 kW (water-cooled).

### Evaporating units

Evaporating units feature very compact dimensions and extremely low noise levels. They are well suited to installations with architectural constraints and strict noise limits. The MTA product offering features rotary, hermetic, scroll or semi-hermetic screw compressors, and covers the 4 to 1500 kW cooling capacity range.

### Condensing units

Condensing units are considered an ideal solution when extremely large ambients need to be conditioned, or in those conditions where the User wishes to avoid the use of glycol. Air-cooled models in the 6 to 152 kW cooling capacity range are offered, with scroll or rotary compressors.

### 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.

### Accessories & supervisors

Remote condensers and cooling towers are just 2 examples of accessories to complete your MTA Air Conditioning system. MTA's xCONNECT, a world of connectivity, range allows easy connection to BMS systems, LAN, Ethernet and MTA's xWEB. Smartphone and tablet, plus USB interfacing, is also offered.

#### CYGNUS Tech

Cooling capacity: 6,1 - 57,6 kW;  
Heating capacity: 7,4 - 66,6 kW;  
Unit category: air-cooled chillers, heat pumps, condensing and reversible condensing units;  
Refrigerant: R410A.



#### TAURUS Tech

Cooling capacity: 71,5 - 151,8 kW;  
Heating capacity: 76,3 - 160,2 kW;  
Unit category: air-cooled chillers, heat pumps and condensing units;  
Compressors: scroll;  
Refrigerant: R410A.



#### ARIES Tech

Cooling capacity: 167 - 339 kW;  
Heating capacity: 168 - 359 kW;  
Unit category: air-cooled chillers and heat pumps;  
Compressors: scroll;  
Refrigerant: R410A.



#### GALAXY Tech

Cooling capacity: 329 - 985 kW;  
Unit category: air-cooled chillers;  
Compressors: scroll;  
Refrigerant: R410A.



#### PHOENIX Plus

Cooling capacity: 315 - 1111 kW;  
Unit category: air-cooled chillers;  
Compressors: screw;  
Refrigerant: R134a.



#### HOCEAN Tech

Cooling capacity: 4 - 179 kW;  
Heating capacity: 5 - 200 kW;  
Unit category: water-cooled chillers and heat pumps, evaporating units;  
Compressors: rotary, scroll;  
Refrigerant: R410A.



#### NEPTUNE Tech

Cooling capacity: 232 - 593 kW;  
Heating capacity: 270 - 693 kW;  
Unit category: water-cooled chillers and evaporating units;  
Compressors: scroll;  
Refrigerant: R410A.



#### AQUARIUS Plus 2

Cooling capacity: 377 - 1499 kW;  
Heating capacity: 422 - 1688 kW;  
Unit category: water-cooled chillers, heat pumps and evaporating units;  
Compressors: screw;  
Refrigerant: R134a.



#### FC<sub>4</sub>TAE - FC<sub>4</sub>ALL

Free-cooling capacity: 18 - 407 kW;  
Unit category: units only for cooling mode with free-cooling system.  
The units can be also combined to TAEvo Tech, ARIES Tech, GALAXY Tech e PHOENIX Plus.



#### EURUS

Cooling capacity: 0,6 - 11 kW;  
Heating capacity: 0,8 - 14 kW;  
Unit category: fan coils for floor, ceiling, concealed and ductable installation, cassette units.



#### Personalised solutions

Beyond the standard models, MTA offers personalised customer solutions for endless air conditioning applications, as well as for industrial users.



#### Connectivity

xCONNECT, MTA's world of connectivity, allows communication via BMS, LAN, Ethernet and MTA's xWEB. Smartphone and tablet, plus USB interfacing, is also offered.





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  
- Air/Water with cooling capacity up to 600 kW  
- Water/Water up to 1500 kW



EAC Declaration



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