



MEOCEAN TECH

Cooling only condenserless units featuring rotary or hermetic scroll compressors with R410A.

Nominal cooling capacity 4 – 169 kW



The low noise condenserless units.

Space availability and noise levels are critical parameters for indoor installations. MEOCEAN TECH condenserless units can be installed anywhere, allowing easy handling and installation.

The fully enclosed and acoustically insulated design, with noise levels down to 30 dB(A), ensures unit operation imperceptible in the living spaces. The industrial design featuring renowned components, unloading function and wide operating limits guarantee reliability in all working conditions.



Cooling, conditioning, purifying.

Benefits

- Lowest noise levels (down to 30 dB(A)) for installation in residential surroundings;
- Extremely compact, allows installation just about anywhere;
- Operates with water outlet temperatures from 0 °C to 20 °C;
- Unloading function (mod.200-600) allowing unit operation even in extreme conditions;
- Self-adaptive temperature control for efficient operation with installations having low water contents;
- Easy access to all internal components;
- Easy to use controller with icon-based dual display.

Options

- Soundproof compressor housing.

Standard features

- Refrigerant R410A;
- Hermetic rotary (mod.018-030), scroll (mod.040-150) and twin scroll (mod.200-600) compressors;
- Crankcase heater compressor;
- Single brazed stainless steel plate evaporator;
- IP22 electric panel protection rating;
- Phase monitor;
- Factory charged with refrigerant and non-freezing oil;
- Inspections and tests performed in factory as for all MTA products and components.

Kits

- Hydraulic module with storage tank and medium or low head pressure pump;
- Replicated remote user display;
- Serial card RS485 Modbus;
- Supervision system xWEB300D EVO;
- Soft starter;
- Antivibration mountings.



Microprocessor controller with dual icon-based display.



Allows installation in even the most limited spaces.

Models MEOCT		018	022	030	040	050	070	100	130	150	200	230	280	350	400	500	600
Nominal cooling capacity (1)	kW	4,00	4,99	6,38	9,71	13,87	21,27	28,49	37,40	41,19	57,97	66,24	79,87	99,24	112,37	136,25	168,75
Total absorbed power (1)	kW	1,23	1,58	1,88	2,89	4,01	6,06	7,92	10,23	11,54	15,80	18,17	21,77	27,41	31,63	37,72	48,76
EER (2)		3,26	3,15	3,39	3,36	3,45	3,51	3,60	3,65	3,57	3,67	3,65	3,67	3,62	3,55	3,61	3,46
Power supply	V/Ph/Hz	230 ± 10 % / 1 / 50						400 ± 10% / 3-PE / 50									
Circuits / Compressors	N°	1/1						1/2									
Sound power (3)	dB(A)	58,0	58,7	59,1	62,7	63,9	65,6	68,0	71,7	74,1	75,4	76,6	77,1	78,9	79,8	80,0	81,7
Sound pressure (4)	dB(A)	30,0	30,7	31,1	34,7	35,9	37,6	40,0	43,7	46,1	47,4	48,6	49,1	50,9	51,8	52,0	53,7
Depth	mm	310	310	310	310	500	500	500	500	500	660	660	660	660	785	785	785
Width	mm	520	520	520	520	780	780	780	780	780	1735	1735	1735	1735	1950	1950	1950
Height	mm	830	830	830	830	1000	1000	1000	1000	1000	1200	1200	1200	1200	1200	1200	1200
Installed weight	kg	48	52	56	64	111	146	164	184	195	360	383	435	485	553	622	643

Data declared according to UNI EN 14511:2018. All data refers to standard units without accessories/options which require an electrical feeding source and in nominal working conditions.

(1) Data referred to nominal conditions: evaporator water temperature IN/OUT 12/7 °C and condensing temperature 45 °C.

(2) Data referred to the full load functioning: evaporator water temperature IN/OUT 12/7 °C and condensing temperature 45 °C.

(3) Sound power: determined on the basis of measurements taken in accordance with the standard ISO 3744.

(4) Sound pressure at 10 m: average value obtained in free field on a reflective surface at a distance of 10 m from the external side of the electrical panel of machine and at a height of 1,6 m from the unit support base. Values with tolerance ± 2 dB. The sound levels refer to operation of the unit under full load in nominal conditions without accessories/options.

The listed sound levels, weights and dimensions refer to base chillers with no options/accessories fitted.



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.



EAC Declaration

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