

Air Conditioning **PRECISION**

**CLIMTECH**



Mobile Units

**CTE - CTI - CTH/MCH**

# Mobile Units

## CTE – CTI – CTH/MCH

ClimTech has developed special units for mobile telephony applications where minimum ground occupation and mobility are a priority.

There are three ranges available between 5kW and 13kW:

- CTE units - compact outdoor units with a rucksack-type appearance and Free Cooling system.
- CTI units - indoor units with optional lower/higher air discharge and Free Cooling system.
- CTH/MCH units - split units with separate evaporator and moto-condensing unit that allow for installing the evaporator both in upright and horizontal position.

These units are designed for a wide range of applications ranging from small telephone plant centrals and **UPS** rooms, to small **CPD's**.

The CLIMTECH range of products has been awarded the ISO 9001 Quality System certification by AENOR. Our products result from applying the activities and commitments included in the quality processes plans.

## Main features:

- Front higher and lower air discharge in CTI units.
- Internal elements arrangement ready for front access in CTE and CTI units.
- Metallic closing panel at the fans compartment and effective thermal and sound insulation, which provides a low noise emission during operation.
- High COP hermetic scroll/rotary compressors.
- EC technology centrifugal fans
- R410-A refrigerant
- State-of-the-art microprocessor control especially designed for integrating all the necessary functions and fitted with several communication options.
- The equipment's design allows for performing control and maintenance tasks during operation.
- G4 panel filters to ensure the quality of air when it is discharged to the environment.
- Free cooling system integrated to get a higher energy efficiency

## Optional Accessories:

- Resistors
- False floorings water witch
- Baseplate fitted with vibration dampers for CTI units
- Special wall support for the MCH motor-condensing unit.
- Optional Inverter technology units' production for some models of the three ranges of product lines.



## Ceiling horizontal split units (CTH)

TECHNICAL DATA		CTH As 4				
Models		35	60	80	100	120
Total power <sup>(1)</sup>	kw	5,86	8,32	10,7	12,1	13,7
Sensible heat <sup>(1)</sup>	kw	5,1	7,66	9,84	11,78	12,6
EVAPORATOR						
Cooling flow rate	Kw	1.200	1.600	2.300	2.600	2.900
Max. Free Cooling flow rate	Kw	1.750	1.750	2.800	2.800	2.900
Available pressure <sup>(2)</sup>	m <sup>3</sup> /h	20 - 200	20 - 80	20 - 40	21 - 40	20 - 40
Electric reheating	Pa	1 x 3	1 x 3	1 x 3	2 x 3	1 x 3
Length x Width X Height	kw	726 x 807 x 350			1202 x 1032 x 390	
Weight	kg/h	148	160	175	190	230
CONDENSER						
Sound pressure	dB(A)	59	61	58	60	62
Cooling max. flow rate	m <sup>3</sup> /h	20 - 200	20 - 80	20 - 40	21 - 40	20 - 40
Length x Width X Height	mm	1030 x 373 x 577		1080 x 416 x 827	1150 x 481 x 1097	
Weight	Kg	80	80	110	130	145

## Indoor compact units (CTI FU/FD)

TECHNICAL DATA		CTI As 4					CTI Cs 4				
Models		35	60	80	100	130	35	60	80	100	130
Total power <sup>(1)</sup>	kw	5,59	6,68	8,23	11,04	12,94	5,53	6,65	8,12	11	12,9
Sensible heat <sup>(1)</sup>	kw	5,59	6,68	7,7	10,23	12,2	5,53	6,65	7,52	10,15	12,1
Sound pressure	l/s	45	45	45	45	45	45	45	45	45	45
Dimensions	m <sup>3</sup> /h	745 x 700 x 2000			980 x 780 x 2000		745 x 700 x 2000			980 x 780 x 2000	
Weight	Pa	120			130		120			130	
EVAPORATING SECTION:											
Cooling max. flow rate	m <sup>3</sup> /h	1.200	1.800	2.000	2.300	2.600	1.200	1.800	1.800	2.300	2.600
Max. Free Cooling flow rate	m <sup>3</sup> /h	1.400	2.000	2.500	2.500	2.800	1.400	2.000	2.000	2.500	2.800
Recirculation flow rate	m <sup>3</sup> /h	420	600	600	750	840	420	600	600	750	840
Available pressure <sup>(2)</sup>	Pa	20-240	20 - 120	20 - 120	20 - 120	20 - 120	20	20	20	20	20
CONDENSING SECTION:											
Cooling max. flow rate	m <sup>3</sup> /h	3.400	3.400	3.400	4.000	4.000	2.700	2.700	3.400	3.400	3.400

## Outdoor compact units (CTE FU)

TECHNICAL DATA		CTE As 4					CTE Cs 4				
Models		35	60	80	100	130	35	60	80	100	130
Total power <sup>(1)</sup>	kw	5,56	6,79	9,5	10,92	13,11	6,56	6,79	9,37	11,2	13,2
Sensible heat <sup>(1)</sup>	kw	5,56	6,79	9,1	10,26	12,36	6,56	6,79	8,82	10,6	12,4
Sound pressure	dB (A)	45	45	45	45	45	45	45	45	45	45
Dimensions	mm	960 x 485 x 1730			1100 x 625 x 2000		960 x 485 x 1730			1100 x 625 x 2000	
Weight	Kg	135			150		135			150	
EVAPORATING SECTION:											
Cooling max. flow rate	m <sup>3</sup> /h	1.200	1.800	2.200	2.300	2.600	1.200	1.800	2.200	2.300	2.600
Max. Free Cooling flow rate	m <sup>3</sup> /h	1.400	2.000	2.500	2.500	2.800	1.400	2.000	2.000	2.500	2.800
Recirculation flow rate	m <sup>3</sup> /h	420	600	750	750	840	420	600	600	750	840
Available pressure <sup>(2)</sup>	Pa	20-240	20 - 120	20 - 220	20 - 120	20 - 120	20	20	20	20	20
Recalentam. Eléctrico	m <sup>3</sup> /h	1 x 2	1 x 2	1 x 2	1 x 3	1 x 3	1 x 2	1 x 2	1 x 3	1 x 3	1 x 3
CONDENSING SECTION:											
Cooling max. flow rate	m <sup>3</sup> /h	4.300	4.300	4.300	7.000	7.000	4.300	4.300	4.300	7.000	7.000

Remarks: Under the following standard conditions:

- (1) 35°C B.S. outdoor temperature capacities and 27°C/40% (H.R.) evaporator air supply
- (2) Available pressure with G4 panel filters





C/ Berzosa de Lozoya, 1-2.  
28021 Madrid  
Phone: 902 170 340 22  
[www.climtech.es](http://www.climtech.es)  
E-mail: [comercial@climtech.es](mailto:comercial@climtech.es)