

# Chiller - CWS AQUACONTROL

Compact, silent and reliable.



Photo courtesy of Uniesse Marine



CWS 251 RC AQUACONTROL shown

## KEY BENEFITS

- Compact, easy to install, easy to maintain
- Wide range of sizes from 16.000 to 48.000 BTU/h
- Silent: anti-vibration mounting system as standard
- Elegant stainless steel frame with condensate tray
- Reverse cycle or cool only options available

- Compatto, facile da installare e da gestire
- Ampia gamma: disponibile da 12.000 fino a 48.000 BTU/h
- Silenzioso: sistema con antivibranti montati come standard
- Elegante struttura in acciaio inox con vasca anticondensa
- Disponibile in inversione di ciclo come standard o solo freddo

## THE PRODUCT

The new chiller AQUACONTROL is the most reliable, efficient and quiet CWS available. A major step forward in design and performance, the result of Climma's 25 years' experience and knowledge in the manufacture of marine air conditioning systems. The compact design allows us to provide the largest capacity of cooling from the smallest foot print yet. This is achieved by using the latest rotary compressors available (requiring 25% lower start current than previous models) combined with large capacity cupronickel sea water condensers for more effective cooling. Noise and vibration is minimised through Climma's anti-vibration mounts and damper system within the stainless steel condensate base. Available in 5 sizes from 16.000 to 48.000 BTU/h capacity reverse cycle as standard or cool only on request. The AQUACONTROL chillers can be easily configured into multiple systems to provide greater cooling capacity, or integrated in a domotic system, thanks to the built in RS585 interface. Fit the Aquacontrol with Climma's latest EVA fan coils to achieve the ultimate in comfort and climate control on-board.

La nuova linea CWS AQUACONTROL, sviluppata da Climma per soddisfare le più strette esigenze del mercato nautico, comprende un'ampia gamma di chiller affidabili, efficienti e silenziosi. L'affidabilità è garantita da un marchio operante nel campo del condizionamento nautico da più di 25 anni. Compressori di ultima generazione e condensatori in cupronickel ad alta efficienza permettono di ottenere un design estremamente compatto (elevate capacità a minime dimensioni), garantendo inoltre un rendimento migliore rispetto a macchine tradizionali (c.a. -25% di corrente di spunto). Il sistema anti-vibrante montato direttamente su struttura in acciaio inox permette di ridurre al minimo rumori e vibrazioni. I chiller CWS AQUACONTROL sono disponibili in 5 misure da 12.000 fino a 48.000 BTU/h, in versione standard con inversione di ciclo o in versione solo freddo su richiesta. Tutti i modelli sono inoltre facilmente integrabili in sistemi multipli, così da raggiungere capacità superiori, e con sistemi di domotica (tramite l'interfaccia integrata RS485). La combinazione del chiller CWS AQUACONTROL con i fancoil Climma EVA permette un controllo ottimale del confort a bordo.

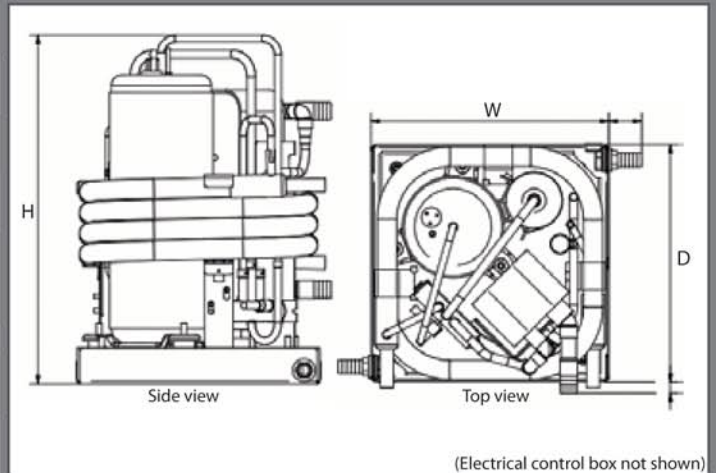


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MODELS

Model	Nominal (Btu/hr)	Power Supply	RC	CO
<b>CWS 161</b>	<b>16.000</b>	230/1/50	MOD161RCU	MOD161COU
		230/1/60	MOD161RCW	MOD161COW
<b>CWS 201</b>	<b>20.000</b>	230/1/50	MOD201RCU	MOD201COU
		230/1/60	MOD201RCW	MOD201COW
<b>CWS 251</b>	<b>25.000</b>	230/1/50	MOD251RCU	MOD251COU
		230/1/60	MOD251RCW	MOD251COW
		400/3/50	MOD251RCY	MOD251COY
<b>CWS 301</b>	<b>30.000</b>	230/1/50	MOD301RCU	MOD301COU
<b>CWS 361</b>	<b>36.000</b>	230/1/50	MEF361RCU	MEF361COU
		400/3/50	MEF361RCY	MEF361COY
<b>CWS 481</b>	<b>48.000</b>	230/1/50	MEF481RCU	MEF481COU
		400/3/50	MEF481RCY	MEF481COY

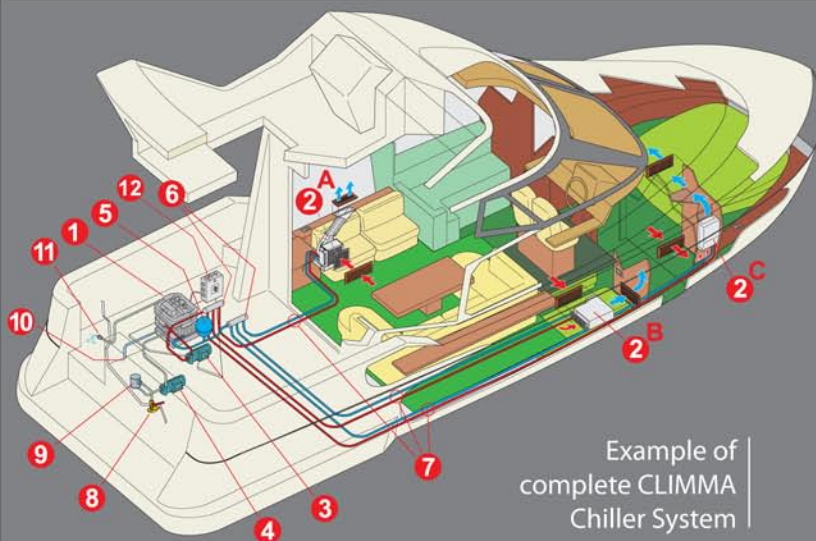


TECHNICAL SPECIFICATIONS

	CWS 161	CWS 201	CWS 251	CWS 301	CWS 361	CWS 481
Power Supply	230/1/50 230/1/60 -	230/1/50 230/1/60 -	230/1/50 230/1/60 400/3/50	230/1/50 -	230/1/50 -	230/1/50 -
Compressors (nr)	1	1	1	1	1	1
Nominal Capacity – cool mode (Bth/hr)	16000	20000	25000	30000	36000	48000
Nominal Capacity – heat mode (Bth/hr)	17600	22000	27500	33000	36000	48000
Ampere Run – cool mode (A) *	5,2	7,8	9,2	10,9	10,7	11,5
Ampere Run – heat mode (A) *	6,4	9,4	10,9	12,6	14,2	14,8
Start current (A) *	33,0	43,2	66,0	65,0	112,0	116,8
Net weight (Kg)	35,7	39,2	52,4	56,0	72,5	75,0
Shipping weight (Kg)	40,3	43,8	57,0	60,5	77,5	80,0
Sea water flow (lt/min)	14	18	22	25	30	40
Fresh water flow (lt/min)	14	18	22	25	30	40
Size WxDxH (mm)	340x340x394	340x340x408	340x340x460	340x340x489	375x420x547	375x420x547
Electrical Box Size WxDxH (mm)	243x208x60	243x208x60	243x208x60	243x208x60	-	-

\*Data referred to 230/1/50 power supply, for other data please contact us or check our web site.

GOES WITH



Example of complete CLIMMA Chiller System

## System Components

- 1 CHILLER- CWS AQUACONTROL
- 12 Digital Display with Domotic Control MODBUS RS585
- 2 Fancoils ( A - model EVA, B - model FC, C - model FCV)
- 3 Fresh Water Pump
- 4 Sea Water Pump
- 5 Expansion Tank
- 6 Manifolds
- 7 Hoses to bring water to/from the fancoils
- 8 Sea water intake
- 9 Water filter
- 10 Condensate drain outlets
- 11 Sea water exit

## Options

- Touch Screen display