

25 WATER CHILLER MUEN HG "Mini Chiller"

MUNDOCLIMA®

Mundoclimate MiniChiller Series is an air-cooled water heat pump chiller, with built-in water pump and expansion tank. Capacity range from 5kW up to 16kW

1. Air cooled system with no cooling tower which saves energy, space and provides a quieter operation.
2. Fancoils as indoor units use water instead of refrigerant. This water gets to the indoor units through an impulse pump.
3. Available units with DC Inverter Compressor (30% energy saving rate) or Digital Scroll (40% energy saving rate).
4. Plate heat exchanger.
5. Enviromental friendly R410A Refrigerant.
6. Voltage protection, Current protection, Anti-freezing protection, Water flow protection ensure safe operation.
7. Rustproof system.
8. External coil protection grills.
9. Compact design: Built-in water pump and expansion tank. Only needs to be connected to the water pipe.
10. Emergency stop button.
11. Built-in water pressure gauge.

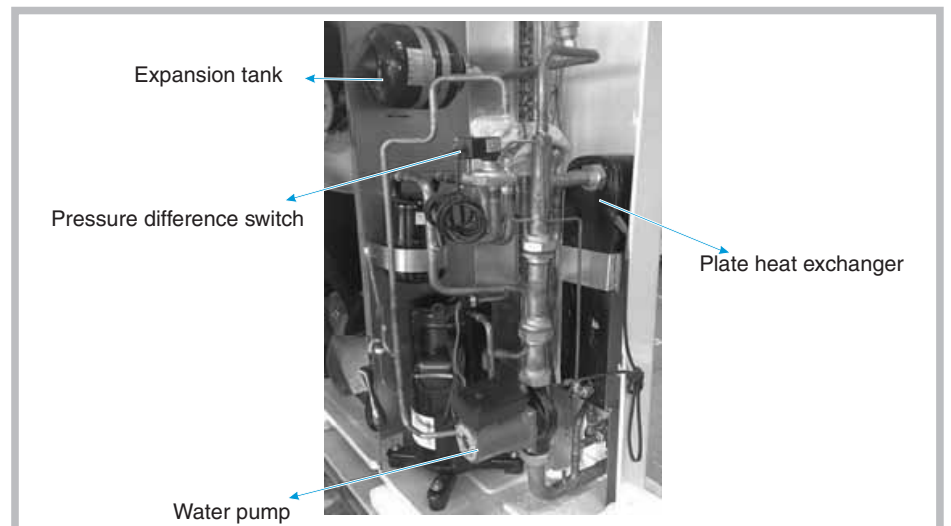
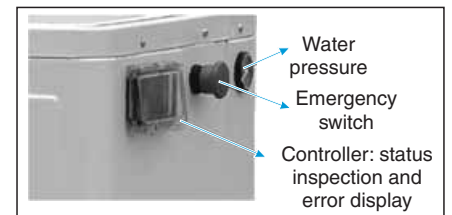


5,5 to 7,1 kW



9,0 to 16 kW

12. Flexible control: built-in inside control can be also remote controlled.
13. Built-in device for operation with low temperatures under -10°C.
14. Main functions:
 - a. Operation mode.
 - b. Error and status display indication.
 - c. Defrosting system.
 - d. Anti-freezing protection.



**TECHNICAL SPECIFICATIONS:**

Model			MUEN 05 HG	MUEN 10 HG	MUEN 15 HG	
Part Nr.			CL 25 601	CL 25 602	CL 25 603	
Power supply		V-Ph-Hz	220-240, 1, 50	220-240, 1, 50	380-415, 3, 50	
Cooling	Capacity	kW	5	10.5	14	
	Power consumption	W	1938	3614	4859	
Heating	Capacity	kW	5.5	12	16.12	
	Power consumption	W	1987	4004	5218	
Max. power consumption		W	2350	5500	6550	
Max. current consumption		A	11.7	25.7	10.5	
Starting current		A	36.8	110	60	
Compressor	Model		PA225X2CS-4KU1	ZP50K3E-PFZ-522	C-SBN453H8D	
	Type		Rotary	Rotary	SCROLL	
	Brand		Midea-Toshiba	Copeland	SANYO	
	Capacity	Btu/h	18493	42600	56000	
	Consumption	W	1855	4100	5750	
	RLA	A	8.7	19.5	9.77	
	LRA	A	36.8	123	67	
	Thermal protection		Inner	Inner	Inner	
	Condenser	µF	50µF/440V-450V	80µF	-	
Refrigerant oil	ml	750	1656	FV68S, 1600		
External fan	Model		YDK120-8U	YDK100-6A(x2)	YDK100-6A(x2)	
	Type		Motor AC	Motor AC	Motor AC	
	Brand		Welling	Welling	Welling	
	Power (high/low)	W	220	185/120	185/120	
	Condenser	µF	6µF/450V	5µF/450V	5µF/450V	
	Speed (High/Low)	r/min	660	860/610	860/610	
Condenser coil	Rows		1	3	3	
	Tube diameter	mm	22×19.05	25.4×22	25.4×22	
	Fin spacing	mm	1.6	1.5	1.5	
	Fin type		Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	
	External tube diameter	mm	Ø7.94	Ø9.53	Ø9.53	
	Dimensions	mm	893×880	635×1220×66	718×1220×66	
Circuit nr.		4	6	12		
Water pump	Type		RS15/6-3-WILO	RL25/8.5	RL25/8.5	
	Power (H/M/L)	W	93/67/46	210/175/120	210/175/120	
	Column	m	5.5	8.5	8.5	
Air flow		m ³ /h	5563	6500/4300	6500/4300	
Expansion system			Capillary tube	Capillary tube	Capillary tube	
Noise level pressure		dB(A)	55	58	60/50	
Water flow			m ³ /h	0.86	1.74	2.4
Heat exchanger pressure drop		kpa	21	44	34	
Max/min water pressure		kpa	500/150	500/150	500/150	
Outdoor unit	Dimensions (WxHxD)	mm	990×966×354	940×1245×360	1070×1249×420	
	Packing (WxHxD)	mm	1120×1100×435	1058×1380×438	1188×1385×498	
	Net/gross weight	kg	83/89	138/145	145/160	
Refrigerant	Type		R410A	R410A	R410A	
	Charge	g	1600	3000	4200	
Wiring	Power supply	mm ²	3×2.5	3×4.0	5×2.5	
	Remote control	mm ²	3×1.0	3 ×1.0	3×1.0	
Tubes	Size	mm	DN25	DN32	DN32	
Min. water content		l	21	43	60	
Room temperature		°C	Cooling: 10~43°C; Heating: -15/-24°C			
Water temperature		°C	Cooling: 4~20°C; Heating: 30~55°C			