



Highly Efficient Water, Glycol & Oil
**Optimize your process
temperature management**

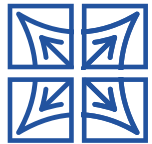
omi-italy.it





Product Group Overview & Key benefits

Our water & oil chillers come in a wide range of sizes, offering **cooling capacities from 0,8 kW up to 465 kW** with power consumption starting as low as 0,88 kW. All our products are **ISO9001 & PED certified** and are **Industry 4.0-ready**, making them a perfect long term investment to improve your operational capability. All of chillers can be configured to match your specific requirements. Browse the catalog to learn more and discover the world of truly efficient chilling equipment.



Flexible solution

Broad range of models and options available to satisfy your unique process needs.



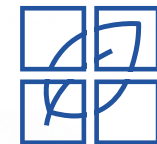
Easy use & maintenance

Ergonomic design along with advanced controls allow for simple & trouble free operation.



Reliable & Efficient

Unique design features and high-quality materials allow for high durability and maximum performance while maintaining low energy consumption.



Ecological

Ecological Refrigerant Gas R513A standard in the smaller models (up to CHW 67 - CHO67) and optional on larger models.



Industries

In the ever-evolving landscape of industrial refrigeration, the demand for reliable and efficient cooling solutions has never been more critical. OMI water, glycol and oil chillers stand at the forefront of this industry, offering a product range that is not only diverse but also tailored to meet the specific needs of various demanding industrial applications such as laser cutting or food & beverage production and storage.

OMI's water, glycol and oil chillers are built to provide reliable and optimum performance to companies that utilize cooling systems in a variety of industries and applications. Our customer-centric approach enables us to develop products that answer common industrial production pain-points and help ensure uninterrupted operation and efficiency of your business. Hundreds of OMI chillers are already in operation with industry-leading businesses in applications including (but not limited to):



Gas generation



Laser cutting



PET and plastic



Rollers for paper



Direct process



Food & Beverage production & storage



Laboratories



CNC machines



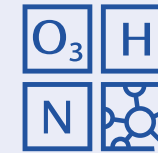
Welding machines



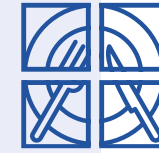


CHG Series

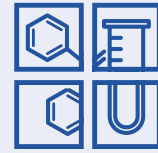
OMI's CHG series is a testament to the brand's dedication to providing low-temperature water chillers that are both **efficient and reliable**. These chillers are meticulously engineered to offer cooling capacities that range **from 0.8 kW to 126 kW**. The CHG series stands out for its ability to maintain **consistent low temperatures below 0°C (Water-Glycol mixture)**, making it an ideal choice for industries that require **precise temperature control**. With a variety of models to choose from, the CHG series ensures that every cooling challenge is addressed with utmost proficiency.



Gas generation



Food &
Beverage
production &
storage



Laboratories

CHG series - Performance Range

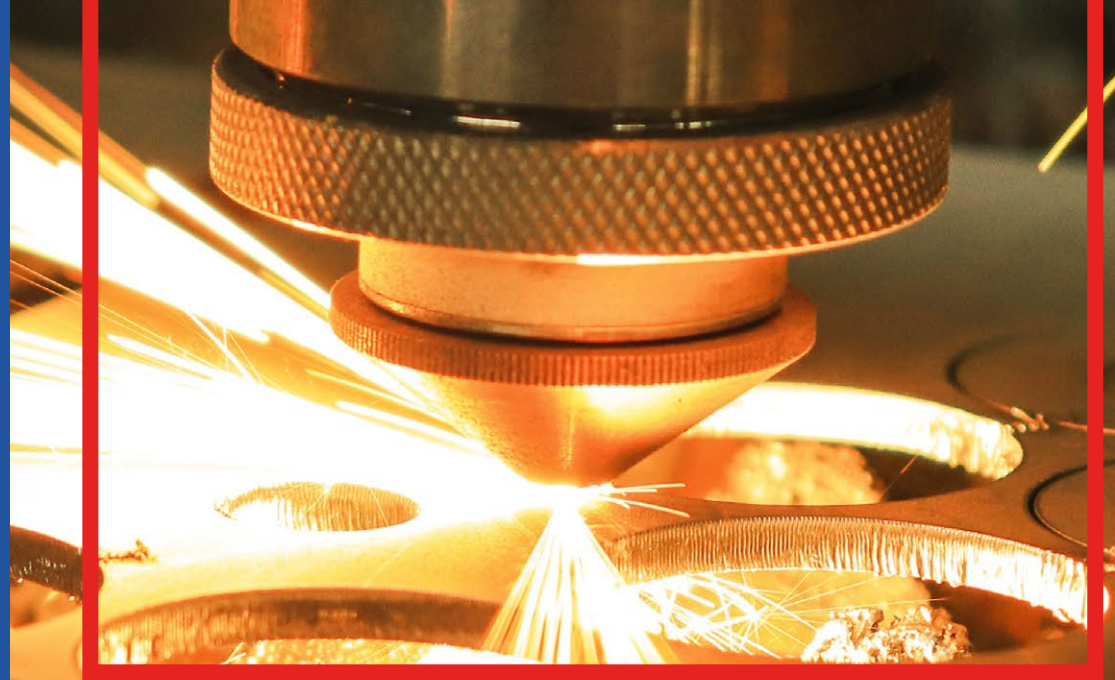
Model	Connections BSP	Cooling capacity			Power supply		Power consumption		Tank l	Fluid temperature				Ambient temperature				Available fluid pressure				Refrigerant gas	Noise level dB(A)	Dimensions mm			Weight Kg
					Standard V/ph/Hz	Special V/ph/Hz				Min	Max	Min	Max	Min	Max	Std	Max	Std	Max	W	D			H			
		kW	Kcal/h	Btu/h	°C	°F	°C	°F		°C	°F	°C	°F	°C	°F	bar	psi	bar	psi								
CHGM 08	½"	0,80	690	2730	230/1/50	230/1/60	1,00	6,1	10	-15	5	0	32	15	59	40	104	2	29	8	116	R452A	<70	445	575	540	52
CHGT 24	¾"	2,37	2040	8100	400/3/50	460/3/60	1,82	4,4	30	-15	5	0	32	2	36	40	104	2	29	8	116	R452A	<70	580	650	980	99
CHGT 30		3,15	2710	10760	400/3/50	460/3/60	2,22	5,3	30	-15	5	0	32	2	36	40	104	2	29	8	116	R452A	<70	580	650	980	110
CHGT 45		4,30	3700	14690	400/3/50	460/3/60	2,75	6,1	30	-15	5	0	32	2	36	40	104	2	29	8	116	R452A	<70	580	650	980	123
CHGT 75		7,10	6110	24250	400/3/50	460/3/60	4,75	10,5	60	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	760	760	1335	140
CHGT 100		10,10	8690	34500	400/3/50	460/3/60	6,31	12,8	60	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	760	760	1380	170
CHGT 140		1"	13,8	11900	47100	400/3/50	460/3/60	9,15	15,6	100	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570
CHGT 180	18,1		15600	61800	400/3/50	460/3/60	11,29	19,3	100	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570	270
CHGT 225	1½"	22,5	19400	76900	400/3/50	460/3/60	14,30	26,8	100	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	440
CHGT 280		27,7	23800	94600	400/3/50	460/3/60	17,56	29,8	100	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	450
CHGT 365		36,2	31200	123700	400/3/50	460/3/60	22,15	37,6	100	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	470
CHGT 556	2"	55,6	47.816	189.874	400/3/50	460/3/60	33,44	57,30	200	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<80	2280	1325	1570	740
CHGT 640		64,0	55.040	218.560	400/3/50	460/3/60	37,80	71,10	300	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<85	3040	1325	1570	960
CHGT 830	3"	83,0	71.380	283.445	400/3/50	460/3/60	43,55	79,80	-	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	1940
CHGT 1000		100,0	86.000	341.500	400/3/50	460/3/60	50,61	98,53	-	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	2305
CHGT 1260		126,0	108.360	430.290	400/3/50	460/3/60	64,45	117,45	-	-15	5	0	32	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	2440

Performances refer to the following operating conditions: 25°C (77°F) ambient temperature, -10°C (14°F) fluid outlet temperature, fluid type: H₂O + glycol.

Contact our team for detailed information about correction factors, configurations and options.



Optional features & upgrades



- **Internal by-pass with pressure gauge** - This device allows the chiller to operate properly even if the plant is disabled or closed. Recommended in case of multiple applications.
- **Special pumps (silenced, high pressure, stainless steel and more)** - Silenced pumps for indoor ambient, stainless steel pumps suitable for aggressive liquids, vane pumps for high pressure applications, etc.
- **Out of standard voltages**
- **Low ambient temperature kit** - ideal for installations in environments with temperatures down to -15°C.
- **Support heaters** - used as antifreeze, from 350W to 3000W, used like antifreeze protection or in particular applications, to warm up the liquid media at required value automatically before start the production.
- **Water condenser** - Shell and tube condenser for fresh and sea water applications.
- **Remote display** - To monitor chiller performance remotely.
- **Centrifugal fans** - Ideal option for installations with conduits to dissipate the heat from the condenser.
- **Stainless steel fittings** - For installations in slightly corrosive environments or liquids.

- **Flow switch and level** - Options that can be installed separately or combined. They monitor fluid flow and tank level. In case of no flow or level below the set point, the compressor is switched off first, then the pump. Automatic reset.
- **Control box for high temperatures** - For installations in high temperature environments up to 50°C.
- **Industry 4.0** - Controller equipped with Modbus RS-485 Connection.
- **Valve kit for level difference** - Option suitable for systems with long external pipes or where application is located in a higher position compared to the chiller. If the chiller is off, the non-return valve and solenoid valve prevent the water from entering the device and from overflowing from the tank.
- **Condenser air filter** - Air filter, removable and washable, which keeps the condenser clean and efficient to maximize the heat exchange.
- **Wheels** - The wheels allow you to make the chiller mobile: the wheels are equipped with brakes.
- **Accuracy +/- 0,5°K** - Option suitable for applications where a high precision of the process fluid temperature is required.