



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

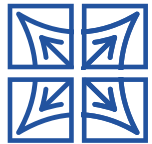
omi-italy.it





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.



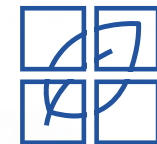
Easy use & maintenance

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

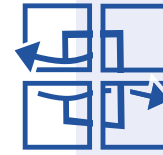


Welding machines





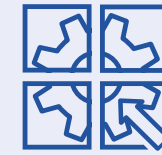
Gas generation



PET and plastic



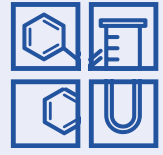
Rollers for paper



Direct process



Food & Beverage production & storage



Laboratories

CHW series

The CHW series represents OMI's commitment to excellence in the realm of water chillers. These chillers are designed to provide optimal cooling capacities ranging from a minimum of **1.1 kW** to a **maximum of 365 kW**. With a diverse range of models available, the CHW series caters to various industrial requirements, ensuring that every cooling need is met with precision and efficiency. Whether you're looking for a **compact solution** or a **robust system** for extensive cooling, the CHW series is a great choice for majority of standard applications.



CHW series - Performance Range

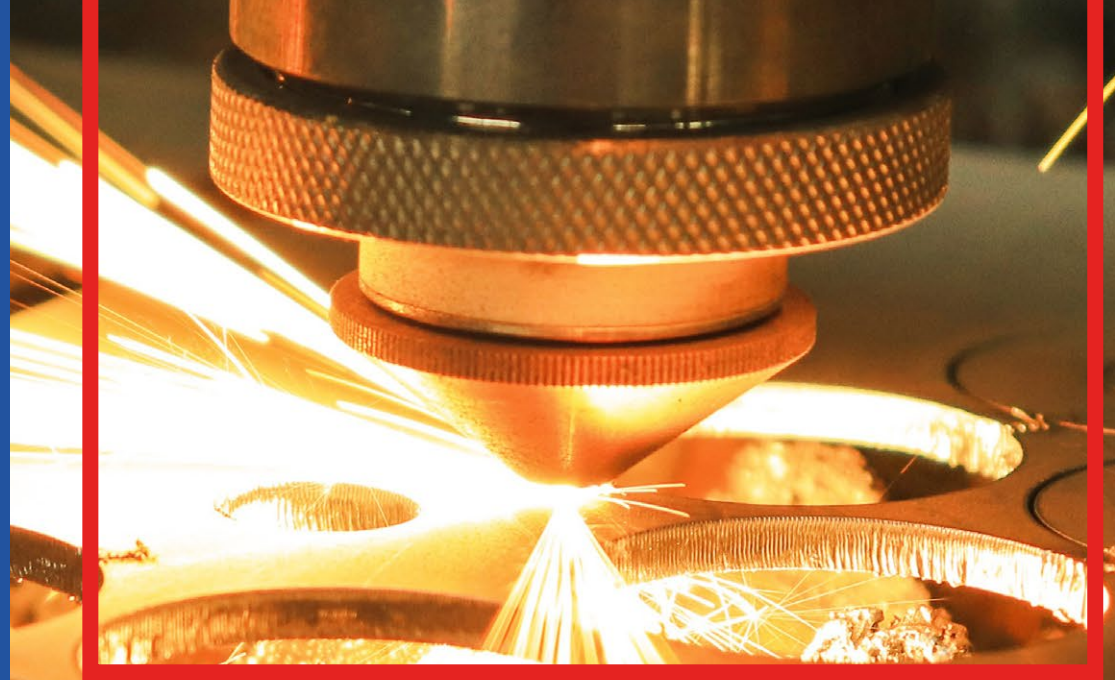
Model	Connections BSP	Cooling capacity			Power supply		Power consumption		Tank l	Fluid temperature				Ambient temperature				Available fluid pressure				Refrigerant gas	Noise level dB(A)	Dimensions mm			Weight Kg
		kW	Kcal/h	Btu/h	Standard V/ph/Hz	Special V/ph/Hz	kW	A		Min		Max		Min		Max		Std		Max				W	D	H	
										°C	°F	°C	°F	°C	°F	°C	°F	bar	psi	bar	psi						
CHWM 09	½"	1,1	950	3760	230/1/50	230/1/60	0,95	6,0	10	5	41	20	68	15	59	40	104	2	29	8	116	R513A	<70	375	450	630	40
CHWM 11		1,1	950	3760	230/1/50	230/1/60	0,95	6,0	10	5	41	20	68	15	59	40	104	2	29	8	116	R513A	<70	435	575	540	52
CHWM 21		2,1	1810	7170	230/1/50	230/1/60	1,31	7,8	10	5	41	20	68	15	59	40	104	2	29	8	116	R513A	<70	435	575	540	55
CHWM 26		2,6	2240	8880	230/1/50	230/1/60	1,42	8,8	10	5	41	20	68	15	59	40	104	2	29	8	116	R513A	<70	435	575	540	58
CHWM 36		3,6	3100	12300	230/1/50	230/1/60	1,49	8,3	10	5	41	20	68	15	59	40	104	2	29	8	116	R513A	<70	435	575	640	77
CHWT 36		3,6	3100	12300	400/3+N/50	-	1,63	5,3	10	5	41	20	68	15	59	40	104	2	29	8	116	R513A	<70	435	575	640	77
CHWM 29	¾"	2,9	2500	9910	230/1/50	230/1/60	1,37	8,7	30	0	32	25	77	2	36	40	104	2	29	8	116	R513A	<70	580	650	980	99
CHWM 39		3,9	3360	13320	230/1/50	230/1/60	1,67	9,0	30	0	32	25	77	2	36	40	104	2	29	8	116	R513A	<70	580	650	980	110
CHWT 29		2,9	2500	9910	400/3/50	460/3/60	1,3	3,1	30	0	32	25	77	2	36	40	104	2	29	8	116	R513A	<70	580	650	980	99
CHWT 39		3,9	3360	13320	400/3/50	460/3/60	1,56	3,5	30	0	32	25	77	2	36	40	104	2	29	8	116	R513A	<70	580	650	980	110
CHWT 56		5,6	4730	18790	400/3/50	460/3/60	1,88	5,0	30	0	32	25	77	2	36	40	104	2	29	8	116	R513A	<70	580	650	980	123
CHWT 67		6,7	5770	22890	400/3/50	460/3/60	2,13	4,8	30	0	32	25	77	2	36	40	104	2	29	8	116	R513A	<70	580	650	980	125
CHWT 97		9,7	8350	33130	400/3/50	460/3/60	2,72	6,9	60	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	760	1335	140
CHWT 130		13,0	11190	44410	400/3/50	460/3/60	3,3	9,1	60	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	760	1335	150
CHWT 149		14,9	12820	50900	400/3/50	460/3/60	4,6	8,7	60	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	760	1380	170
CHWT 162		16,5	14200	56400	400/3/50	460/3/60	4,81	9,1	100	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570	220
CHWT 192	1"	19,0	16400	64900	400/3/50	460/3/60	5,49	9,9	100	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570	230
CHWT 242		24,0	20700	82000	400/3/50	460/3/60	6,43	12,5	100	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570	240
CHWT 292		31,0	26700	105900	400/3/50	460/3/60	8,46	16,6	100	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570	280
CHWT 372		37,5	32300	128100	400/3/50	460/3/60	10,76	20,9	100	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	760	1325	1570	290
CHWT 432	1" ½	43	37000	146900	400/3/50	460/3/60	11,25	22,8	200	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	380
CHWT 532		53	45600	181000	400/3/50	460/3/60	13,44	25,8	200	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	400
CHWT 602		60	51600	204900	400/3/50	460/3/60	15,7	30,1	200	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	430
CHWT 682		68	58500	232300	400/3/50	460/3/60	18,39	36,4	200	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	480
CHWT 752		75	64500	256200	400/3/50	460/3/60	21,08	41,3	200	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	1520	1325	1570	510
CHWT 1002		100	86100	341600	400/3/50	460/3/60	26,18	49,4	300	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<80	2280	1325	1570	690
CHWT 1202	2"	120	103300	409900	400/3/50	460/3/60	30,03	58,2	300	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	3040	1325	1570	800
CHWT 1452	3"	145	124800	495300	400/3/50	460/3/60	37,64	70,9	-	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	1780
CHWT 1802		180	154900	614800	400/3/50	460/3/60	46,47	88,2	-	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	1880
CHWT 2052		205	176400	700200	400/3/50	460/3/60	52,17	95,4	-	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	1840
CHWT 2552		255	219500	871000	400/3/50	460/3/60	59,07	105,3	-	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	3990	1525	2170	1930
CHWT 3152		315	271100	1076000	400/3/50	460/3/60	78,12	142,9	-	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	4990	1525	2170	2380
CHWT 3652		365	314100	1246800	400/3/50	460/3/60	90,04	157,9	-	0	32	25	77	2	36	40	104	2	29	8	116	R407C	<85	4990	1525	2170	2510

* The model CHWT 36 is not available in the special 60Hz version.
R513A available for all models upon request.

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.