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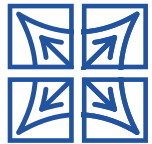
Highly Efficient Water, Glycol & Oil  
**Optimize your process  
temperature management**





# 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.



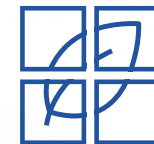
## Easy use & maintenance

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



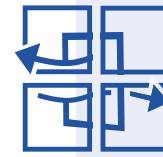
CNC machines



Welding machines



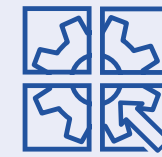
Gas generation



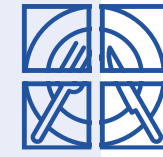
PET and plastic



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.

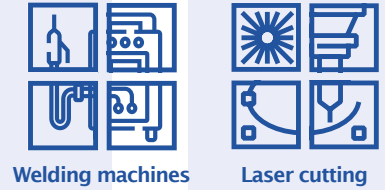


# CHW series - Performance Range

| Model     | Connections<br>BSP | Cooling capacity |        |         | Power supply        |                    | Power consumption |       | Tank<br>l | Fluid temperature |    |     |    | Ambient temperature |    |     |     | Available fluid pressure |     |     |     | Refrigerant gas | Noise level<br>dB(A) | Dimensions<br>mm |      |      | Weight<br>Kg |
|-----------|--------------------|------------------|--------|---------|---------------------|--------------------|-------------------|-------|-----------|-------------------|----|-----|----|---------------------|----|-----|-----|--------------------------|-----|-----|-----|-----------------|----------------------|------------------|------|------|--------------|
|           |                    | kW               | Kcal/h | Btu/h   | Standard<br>V/ph/Hz | Special<br>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.



# CHWL series

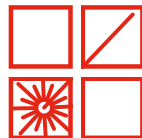
Made by an exclusive technology, OMI Laser Chillers are designed to meet the needs of the industrial laser cutting machines, which require a dedicated cooling control to cope with power fluctuations related to load variations. There are 4 configurations of chillers available, all configurations with temperature accuracy and hydraulic bypass. CHWL Laser chillers with an integrated and optional water/water cooler: the double cooling circuit allows to **independently control the temperature of the laser resonator and the optics with extraordinary accuracy of  $\pm 0,5$  K on the chiller circuit and  $\pm 1$  K on the cooler one.**



New series



Unique design



Developed from the ground up specifically to match requirements of laser cutting and welding machines



# CHWL series - Performance Range

| Model                  | Connections |      | Cooling capacity |        |        |         |        |       | Tank      |         | * Laser power<br>kW | Power supply<br>V/ph/Hz | Power consumption |      | Fluid temperature |    |     |    | Ambient temperature |    |     |     | Available fluid pressure |     |     |     | Refrigerant gas | Noise level<br>dB(A) | Dimensions |      |      | Weight<br>Kg |
|------------------------|-------------|------|------------------|--------|--------|---------|--------|-------|-----------|---------|---------------------|-------------------------|-------------------|------|-------------------|----|-----|----|---------------------|----|-----|-----|--------------------------|-----|-----|-----|-----------------|----------------------|------------|------|------|--------------|
|                        |             |      | Resonator        |        |        | Optical |        |       | Resonator | Optical |                     |                         | kW                | A    | Min               |    | Max |    | Min                 |    | Max |     | Std                      |     | Max |     |                 |                      | mm         |      |      |              |
|                        | BSP         | BSP  | kW               | Kcal/h | Btu/h  | kW      | Kcal/h | Btu/h |           |         | °C                  | °F                      |                   |      | °C                | °F | °C  | °F | °C                  | °F | °C  | °F  | bar                      | psi | bar | psi | W               | D                    | H          |      |      |              |
| CHWL 60                | 3/4"        | -    | 6,9              | 5960   | 23580  | -       | -      | -     | 30        | -       | 1                   | 400/3/50                | 1,9               | 4,7  | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R513A           | <70                  | 760        | 760  | 1335 | 135          |
| CHWL 100               |             |      | 11,3             | 9760   | 38620  | -       | -      | -     | 60        | -       | 2                   | 400/3/50                | 2,8               | 7,1  | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 760  | 1335 | 140          |
| CHWL 140               |             |      | 15,2             | 13130  | 51960  | -       | -      | -     | 60        | -       | 3                   | 400/3/50                | 3,4               | 8    | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 760  | 1335 | 150          |
| CHWL 170               | 1"          | -    | 17,6             | 15200  | 60160  | -       | -      | -     | 100       | -       | 4                   | 400/3/50                | 4,9               | 9,4  | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 220          |
| CHWL 200               |             |      | 22,1             | 19090  | 75540  | -       | -      | -     | 100       | -       | 5                   | 400/3/50                | 5,6               | 10,4 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 230          |
| CHWL 250               |             |      | 27,1             | 23400  | 92630  | -       | -      | -     | 100       | -       | 6                   | 400/3/50                | 6,3               | 12,3 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 240          |
| CHWL 320               |             |      | 35,8             | 30920  | 122370 | -       | -      | -     | 100       | -       | 8                   | 400/3/50                | 8,5               | 16,4 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 280          |
| CHWL 390               |             |      | 43,4             | 37480  | 148350 | -       | -      | -     | 100       | -       | 10                  | 400/3/50                | 10,8              | 20,6 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 290          |
| CHWL 550               |             |      | 1" 1/2           | 62     | 53540  | 211930  | -      | -     | -         | 200     | -                   | 15                      | 400/3/50          | 13,9 | 26,3              | 10 | 50  | 25 | 77                  | 2  | 36  | 40  | 104                      | 2   | 29  | 8   | 116             | R407C                | <80        | 1520 | 1325 | 1570         |
| With integrated cooler |             |      |                  |        |        |         |        |       |           |         |                     |                         |                   |      |                   |    |     |    |                     |    |     |     |                          |     |     |     |                 |                      |            |      |      |              |
| CHWL 60                | 3/4"        | 1/2" | 6,9              | 5960   | 23580  | 1,3     | 1120   | 4440  | 30        | 10      | 1                   | 400/3/50                | 2,8               | 7,9  | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R513A           | <70                  | 760        | 760  | 1335 | 154          |
| CHWL 100               |             |      | 11,3             | 9760   | 38620  | 4       | 3450   | 13670 | 60        | 10      | 2                   | 400/3/50                | 3,7               | 10,3 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 760  | 1335 | 162          |
| CHWL 140               |             |      | 15,2             | 13130  | 51960  | 4       | 3450   | 13670 | 60        | 10      | 3                   | 400/3/50                | 4,3               | 11,2 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 760  | 1335 | 172          |
| CHWL 170               | 1"          | 1"   | 17,6             | 15200  | 60160  | 4       | 3450   | 13670 | 100       | 10      | 4                   | 400/3/50                | 5,8               | 12,6 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 242          |
| CHWL 200               |             |      | 22,1             | 19090  | 75540  | 4       | 3450   | 13670 | 100       | 10      | 5                   | 400/3/50                | 6,5               | 13,6 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 252          |
| CHWL 250               |             |      | 27,1             | 23400  | 92630  | 4       | 3450   | 13670 | 100       | 10      | 6                   | 400/3/50                | 7,2               | 15,5 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 262          |
| CHWL 320               |             |      | 35,8             | 30920  | 122370 | 4       | 3450   | 13670 | 100       | 10      | 8                   | 400/3/50                | 9,4               | 19,6 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 302          |
| CHWL 390               |             |      | 43,4             | 37480  | 148350 | 4       | 3450   | 13670 | 100       | 10      | 10                  | 400/3/50                | 11,7              | 23,8 | 10                | 50 | 25  | 77 | 2                   | 36 | 40  | 104 | 2                        | 29  | 8   | 116 | R407C           | <80                  | 760        | 1325 | 1570 | 312          |
| CHWL 550               |             |      | 1" 1/2           | 62     | 53540  | 211930  | 4      | 3450  | 13670     | 200     | 10                  | 15                      | 400/3/50          | 14,8 | 29,5              | 10 | 50  | 25 | 77                  | 2  | 36  | 40  | 104                      | 2   | 29  | 8   | 116             | R407C                | <80        | 1520 | 1325 | 1570         |

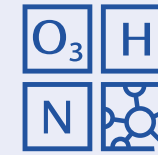
\* These values are merely indicative, please check the actual cooling capacity requested by the laser application.

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

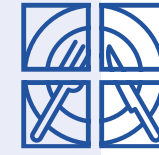


## CHG Series

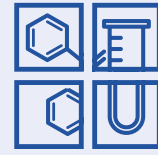
OMI's CHG series is a testament to the brand's dedication to providing low-temperature water chillers that are both **efficient and reliable**. These chillers are meticulously engineered to offer cooling capacities that range **from 0.8 kW to 126 kW**. The CHG series stands out for its ability to maintain **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

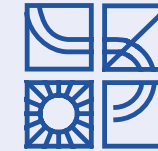


# CHG series - Performance Range

| Model     | Connections<br>BSP | Cooling capacity |         |         | Power supply        |                    | Power consumption |        | Tank<br>l | Fluid temperature |     |     |     | Ambient temperature |     |     |     | Available fluid pressure |     |    |     | Refrigerant gas | Noise level<br>dB(A) | Dimensions<br>mm |      |      | Weight<br>Kg |
|-----------|--------------------|------------------|---------|---------|---------------------|--------------------|-------------------|--------|-----------|-------------------|-----|-----|-----|---------------------|-----|-----|-----|--------------------------|-----|----|-----|-----------------|----------------------|------------------|------|------|--------------|
|           |                    |                  |         |         | Standard<br>V/ph/Hz | Special<br>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: H<sub>2</sub>O + glycol.

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



CNC machines

## CHO Series

When it comes to oil chillers, OMI's CHO series is a class apart. These chillers are specifically designed to cater to the unique cooling requirements of **oil-based applications**. With cooling capacities ranging **from 2.9 kW to 14.9 kW**, the CHO series is versatile enough to handle a wide array of industrial needs. Notably, the entire range is equipped with a pump (excluding the CHO 149 model) and operates without a tank. The CHO series also boasts of using **eco-friendly refrigerant gases like R513A and R407C**, ensuring that industries can achieve their cooling objectives without compromising on environmental sustainability.





# CHO series - Performance Range

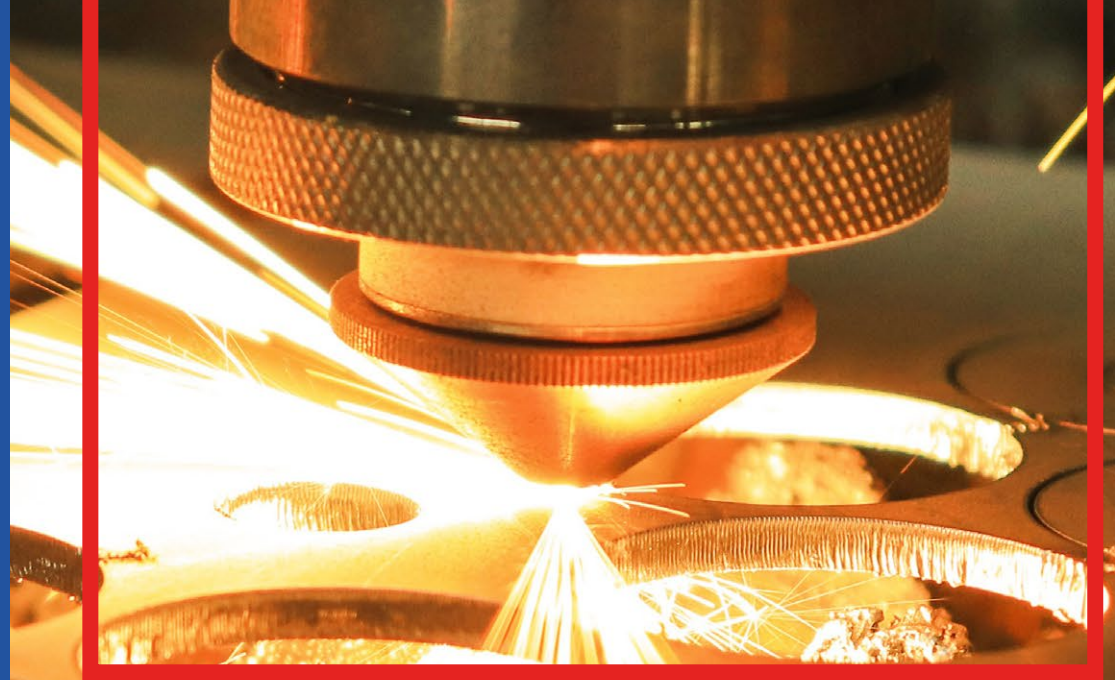
| Model    | Connections | Cooling capacity |        |       | Power supply | Power consumption |      | Tank | Fluid temperature |    |     |    | Ambient temperature |    |     |     | Available fluid pressure |    |     |     | Refrigerant gas | Noise level<br>dB(A) | Dimensions |     |      | Weight<br>Kg |   |   |
|----------|-------------|------------------|--------|-------|--------------|-------------------|------|------|-------------------|----|-----|----|---------------------|----|-----|-----|--------------------------|----|-----|-----|-----------------|----------------------|------------|-----|------|--------------|---|---|
|          |             | kW               | Kcal/h | Btu/h |              | V/ph/Hz           | kW   |      | A                 | I  | Min |    | Max                 |    | Min |     | Max                      |    | Std |     |                 |                      | Max        |     | W    |              | D | H |
|          |             |                  |        |       |              |                   |      |      |                   |    | °C  | °F | °C                  | °F | °C  | °F  | °C                       | °F | bar | psi |                 |                      | bar        | psi |      |              |   |   |
| CHOM 29  | 1"          | 2,9              | 2500   | 9910  | 230/1/50     | 2,03              | 11,1 | 10   | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R513A           | <70                  | 580        | 650 | 980  | 99           |   |   |
| CHOM 39  |             | 3,9              | 3360   | 13320 | 230/1/50     | 2,26              | 11,2 | 30   | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R513A           | <70                  | 580        | 650 | 980  | 110          |   |   |
| CHOT 29  |             | 2,9              | 2500   | 9910  | 400/3/50     | 1,88              | 3,8  | 30   | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R513A           | <70                  | 580        | 650 | 980  | 99           |   |   |
| CHOT 39  |             | 3,9              | 3360   | 13320 | 400/3/50     | 2,14              | 4,1  | 30   | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R513A           | <70                  | 580        | 650 | 980  | 110          |   |   |
| CHOT 56  |             | 5,5              | 4730   | 18790 | 400/3/50     | 3,44              | 6,2  | 60   | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R513A           | <70                  | 580        | 650 | 980  | 123          |   |   |
| CHOT 67  |             | 6,7              | 5770   | 22890 | 400/3/50     | 3,09              | 5,7  | 60   | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R513A           | <70                  | 580        | 650 | 980  | 125          |   |   |
| CHOT 97  | 1" ½        | 9,7              | 8350   | 33130 | 400/3/50     | 5,05              | 9,9  | 100  | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R407C           | <80                  | 760        | 760 | 1335 | 140          |   |   |
| CHOT 130 |             | 13,0             | 11190  | 44410 | 400/3/50     | 5,63              | 12,1 | 100  | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R407C           | <80                  | 760        | 760 | 1335 | 150          |   |   |
| CHOT 149 |             | 14,9             | 12820  | 50900 | 400/3/50     | 3,64              | 6,7  | 100  | 25                | 77 | 30  | 86 | 2                   | 37 | 40  | 104 | 2                        | 29 | 8   | 116 | R407C           | <80                  | 760        | 760 | 1380 | 170          |   |   |

Performances refer to the following operating conditions: 25°C (77°F) ambient temperature, 20°C (68°F) fluid outlet temperature, fluid type: ISO VG 32 oil.  
The entire range is supplied with pump (excluded CHO 149) and without tank.

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.



## Service Support & Distribution Network

At OMI, our commitment to our customers extends far beyond the initial purchase. We pride ourselves on providing unwavering support throughout the entire lifetime of our equipment, ensuring that our clients always have the assistance they need to keep their operations running smoothly.

In our quest to deliver timely and efficient support, OMI has fostered close collaborations with a broad network of trusted distribution centers. This strategic alliance allows us to offer shorter lead times and the added benefit of local

support, ensuring that our customers receive prompt and personalized assistance.

Furthermore, the quality and integrity of our products are of paramount importance to us. Every piece of equipment from OMI is meticulously crafted using original parts. This not only ensures the longevity and reliability of our products but also translates to optimum spare parts and service availability. With OMI, customers can be confident in the knowledge that they have a partner dedicated to their long-term success.



# Contact page

With a global footprint spanning over 56 countries, OMI stands as a leader in compressed air treatment and industrial refrigeration. Our cutting-edge research center crafts tailored solutions, meeting diverse market demands. Our commitment to quality, safety, and environmental stewardship is unwavering. Producing over 25,000 machines annually, we're a testament to innovation and excellence.



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