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Efficient Chiller Solutions Specific To Your Industrial Cooling Needs



# OCU CHILLER Series

[www.ozenkompresor.com.tr](http://www.ozenkompresor.com.tr)

**ozen®**  
**KOMPRESÖR**  
EXCLUSIVELY COMPRESSED AIR SOLUTIONS



# THE DETAILS THAT DELIVER THE RIGHT RESULTS...

**ozen®**  
KOMPRESÖR

## EXPERIENCE

Ozen Kompresor, with its industry experience of half-a-century and its large portfolio of compressed air products, provides, reliable, efficient and smart solutions.

## TRUST

Ozen's dedication to customer satisfaction has helped the company to build lasting relationships of trust and loyalty with its customers.

## DURABLE & EFFICIENT

All of the compressed air equipment in Ozen's portfolio have proven their durability under the toughest conditions. They provide high-quality, high-efficiency air.

## QUALITY

Manufacturing consistently high-quality products is one of Ozen's fundamental tenets. To that end, Ozen continuously enhances its quality policies.

## TECHNOLOGY

Ozen Kompresor is innovative. It always uses up-to-date technologies in compliance with world-standards.

## R & D

With its creative team and modern infrastructure, Ozen is capable of developing its own technology through collaborations with several universities.

## STRONG SERVICE NETWORK

Ozen Kompresor believes in maintainability. Its customers can enjoy uninterrupted manufacturing thanks to its accessible, fast and reliable service network.

## COMPETITIVE

Ozen Kompresor acts in favor of its customers. Providing them with leverage is one of Ozen's strong suits.

## RESPECT FOR THE ENVIRONMENT

Striving for a sustainable future, Ozen Kompresor selects for environmentally friendly practices and takes all necessary precautions while structuring its work processes.

## OCU Chiller Series

### Efficient Chiller Solutions Specific To Your Industrial Cooling Needs

Özen Kompresör OCU Chiller series have been designed for the industries that need continuous cooling and efficient operation. Due to its success in providing constant cooling, OCU Chiller series are preferred by many industries from plastics to paint, cosmetics to food, where the companies want to manufacture high-quality products.

Industrial coolers control the temperature of the equipment in order to save production time, increase production quality and avoid sudden failures. Thereby, they prevent heat damage that would occur in the production system during production in certain industrial applications.

OCU Chiller series, which can be configured in accordance with the needs of every environment, have two different options as air-cooled and water-cooled chillers.

Air-cooled chiller can be used in one-piece or by dividing into various configurations. This flexibility has contributed to its general popularity among the designers of the cooled water systems. Air-cooled chiller varies from the models with small capacities to several hundred tons of models, which are used to cool large commercial buildings.

The difference of air-cooled chiller from water-cooled chiller is that it cools the hot refrigerant in the condenser circuit by using water. Generally, a cooling tower is used for the water need.



#### Body

> Supporting and modular structure, which is designed in a way that it would contain different technologies to accelerate the production and increase the quality standard.



#### Fan

> Axial fans improve heat exchange with less consumption and maximum efficiency. They offer different options from phase controlled asynchronous engines to the electronic engines without EC brush and over-pressure engines for special applications.



#### Condenser

> It is designed to guarantee and increase the efficiency in every application. It reduces the gas content significantly to decrease greenhouse effect while increasing thermogram efficiency with microchannel technology.



#### Electrical Panel

> Electrical panel, which ensures precise and correct management of the unit, has been developed with an experience of many years.



#### Compressor

> Compressor is in the central position of the cooling group. There are scroll hermetic, semi hermetic, screw and screw inverter compressors.



#### Evaporator

> The heat exchangers provide maximum power thanks to their first grade efficiency levels.





| Specifications |                  |                          |      |                                                     |
|----------------|------------------|--------------------------|------|-----------------------------------------------------|
| OCU 8          |                  | NOMINAL YIELD            | kW   | 7,5(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 4,6                                                 |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC RECIPROCATING                              |
|                |                  | COMPRESSOR QUANTITY      |      | 1                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 1,4                                                 |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 3,0                                                 |
|                | FAN              | FAN TYPE                 |      | AXIAL                                               |
|                |                  | FAN QUANTITY             |      | 1                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 0,24                                                |
|                |                  | TOTAL FAN POWER          | A    | 1,06                                                |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 4235                                                |
|                |                  | FAN DIAMETER             | mm   | 400                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 0,37                                                |
|                |                  | PUMP PRESSURE            | bar  | 2,7                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 1,2                                                 |
|                | EXTERNAL PUMP    | PUMP TYPE                |      | CENTRIFUGAL                                         |
|                |                  | PUMP QUANTITY            |      | EXTERNAL PUMP NOT AVAILABLE                         |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                   |
|                |                  | PUMP PRESSURE            | bar  | -                                                   |
|                |                  | PUMP FLOW RATE           | m³/h | -                                                   |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                     |
|                |                  | CONDENSER QUANTITY       |      | 1                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | IMMERSION                                           |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 1                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 2,0                                                 |
|                |                  | TOTAL CURRENT            | A    | 5,5                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                            |
|                |                  | CABLE CROSS-SECTION      |      | 4X2,5+2,5 mm²                                       |

| Specifications |                       |                    |                        |
|----------------|-----------------------|--------------------|------------------------|
| OCU 8          | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL |
|                |                       | REFRIGERANT TYPE   | R 407C                 |
|                |                       | REFRIGERANT CHARGE | KG 2                   |
|                |                       | WATER OUTLET       | 1/2"                   |
|                |                       | WATER INLET        | 1/2"                   |
|                |                       | FILLING            | 1/2"                   |
|                |                       | DRAIN              | 1/2"                   |
|                |                       | WATER TANK         | LT 50                  |
|                |                       | L/W/H DIMENSIONS   | mm 870 / 700 / 1162    |
|                |                       | EMPTY WEIGHT       | KG 200                 |
|                |                       | WORKING WEIGHT     | KG 220                 |

| CAPACITY |                     |                          |    |     |     |     |     |     |
|----------|---------------------|--------------------------|----|-----|-----|-----|-----|-----|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15 | +10 | +7  | +5  | 0   |
| OCU 8    | 25 C°               | COOLING CAPACITY         | kW | 7,5 | 6   | 5,4 | 4,8 | 3,8 |
|          |                     | ABSORBED POWER           | kW | 1,4 | 1,4 | 1,4 | 1,4 | 1,3 |
|          |                     | ABSORBED CURRENT         | A  | 3   | 2,9 | 2,9 | 2,9 | 2,8 |
|          |                     | C.O.P.                   |    | 5,3 | 4,4 | 4   | 3,7 | 3   |
|          | 35 C°               | COOLING CAPACITY         | kW | 6,3 | 5,1 | 4,5 | 4   | 3   |
|          |                     | ABSORBED POWER           | kW | 1,7 | 1,6 | 1,6 | 1,5 | 1,4 |
|          |                     | ABSORBED CURRENT         | A  | 3,3 | 3,2 | 3,1 | 3   | 2,9 |
|          |                     | C.O.P.                   |    | 3,8 | 3,1 | 2,9 | 2,7 | 2,2 |
|          | 45 C°               | COOLING CAPACITY         | kW | 5,1 | 4,1 | 3,6 | 3,2 | 2,4 |
|          |                     | ABSORBED POWER           | kW | 1,1 | 1,9 | 1,7 | 1,7 | 1,5 |
|          |                     | ABSORBED CURRENT         | A  | 3,6 | 3,5 | 3,3 | 3,3 | 3   |
|          |                     | C.O.P.                   |    | 2,7 | 2,3 | 2,1 | 2   | 1,6 |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                    |
|----------------|------------------|--------------------------|------|----------------------------------------------------|
| OCU 25         |                  | NOMINAL YIELD            | kW   | 28(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 5,7                                                |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                    |
|                |                  | COMPRESSOR QUANTITY      |      | 1                                                  |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 4,2                                                |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 9,2                                                |
|                | FAN              | FAN TYPE                 |      | AXIAL                                              |
|                |                  | FAN QUANTITY             |      | 1                                                  |
|                |                  | TOTAL FAN POWER          | kW   | 0,69                                               |
|                |                  | TOTAL FAN POWER          | A    | 1,43                                               |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 9195                                               |
|                |                  | FAN DIAMETER             | mm   | 500                                                |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                  |
|                |                  | TOTAL PUMP POWER         | kW   | 1,1                                                |
|                |                  | PUMP PRESSURE            | bar  | 3,4                                                |
|                |                  | PUMP FLOW RATE           | m³/h | 5                                                  |
|                | EXTERNAL PUMP    | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                              |
|                |                  | PUMP QUANTITY            |      | EXTERNAL PUMP NOT AVAILABLE                        |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                  |
|                |                  | PUMP PRESSURE            | bar  | -                                                  |
|                |                  | PUMP FLOW RATE           | m³/h | -                                                  |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                    |
|                |                  | CONDENSER QUANTITY       |      | 1                                                  |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                     |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                  |
|                |                  | NUMBER OF CIRCUITS       |      | 1                                                  |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 6                                                  |
|                |                  | TOTAL CURRENT            | A    | 13                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                           |
|                |                  | CABLE CROSS-SECTION      |      | 4X6+6 mm²                                          |

| Specifications |                       |                    |    |                        |
|----------------|-----------------------|--------------------|----|------------------------|
| OCU 25         | TECHNICAL INFORMATION | CONTROL BOARD      |    | DIJITAL ON/OFF CONTROL |
|                |                       | REFRIGERANT TYPE   |    | R 410A                 |
|                |                       | REFRIGERANT CHARGE | KG | 7,5                    |
|                |                       | WATER OUTLET       |    | 1 1/2"                 |
|                |                       | WATER INLET        |    | 1 1/2"                 |
|                |                       | FILLING            |    | 1/2"                   |
|                |                       | DRAIN              |    | 1/2"                   |
|                |                       | WATER TANK         | LT | 260                    |
|                |                       | L/W/H DIMENSIONS   | mm | 1700 / 830 / 1300      |
|                |                       | EMPTY WEIGHT       | KG | 425                    |
|                |                       | WORKING WEIGHT     | KG | 680                    |

| CAPACITY |                     |                          |    |      |      |      |      |      |
|----------|---------------------|--------------------------|----|------|------|------|------|------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15  | +10  | +7   | +5   | 0    |
| OCU 25   | 25 C°               | COOLING CAPACITY         | kW | 28   | 23   | 21   | 19   | 16   |
|          |                     | ABSORBED POWER           | kW | 4,2  | 4,3  | 4,4  | 4,4  | 4,4  |
|          |                     | ABSORBED CURRENT         | A  | 9,2  | 9,2  | 9,2  | 9,2  | 9,2  |
|          |                     | C.O.P.                   |    | 6,6  | 5,4  | 4,8  | 4,4  | 3,6  |
|          | 35 C°               | COOLING CAPACITY         | kW | 24   | 20   | 18   | 17   | 14   |
|          |                     | ABSORBED POWER           | kW | 5,2  | 5,3  | 5,3  | 5,3  | 5,3  |
|          |                     | ABSORBED CURRENT         | A  | 10,3 | 10,4 | 10,4 | 10,4 | 10,4 |
|          |                     | C.O.P.                   |    | 4,6  | 3,8  | 3,4  | 3,2  | 2,6  |
|          | 45 C°               | COOLING CAPACITY         | kW | 20   | 17   | 15   | 14   | 11   |
|          |                     | ABSORBED POWER           | kW | 6,3  | 6,4  | 6,4  | 6,4  | 6,4  |
|          |                     | ABSORBED CURRENT         | A  | 12   | 12   | 12   | 12   | 12   |
|          |                     | C.O.P.                   |    | 3,2  | 2,7  | 2,4  | 2,2  | 1,8  |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                    |
|----------------|------------------|--------------------------|------|----------------------------------------------------|
| OCU 50         |                  | NOMINAL YIELD            | kW   | 55(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 5,6                                                |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                    |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                  |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 8,4                                                |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 18,4                                               |
|                | FAN              | FAN TYPE                 |      | AXIAL                                              |
|                |                  | FAN QUANTITY             |      | 2                                                  |
|                |                  | TOTAL FAN POWER          | kW   | 1,38                                               |
|                |                  | TOTAL FAN POWER          | A    | 2,86                                               |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 18390                                              |
|                |                  | FAN DIAMETER             | mm   | 500                                                |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                  |
|                |                  | TOTAL PUMP POWER         | kW   | 1,1                                                |
|                |                  | PUMP PRESSURE            | bar  | 1,5                                                |
|                |                  | PUMP FLOW RATE           | m³/h | 10                                                 |
|                |                  | PUMP TYPE                |      | TAINLESS CENTRIFUGAL                               |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                  |
|                |                  | TOTAL PUMP POWER         | kW   | 1,5                                                |
|                |                  | PUMP PRESSURE            | bar  | 3,9                                                |
|                |                  | PUMP FLOW RATE           | m³/h | 5                                                  |
|                |                  | PUMP TYPE                |      | TAINLESS CENTRIFUGAL                               |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                    |
|                |                  | CONDENSER QUANTITY       |      | 2                                                  |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                     |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                  |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                  |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 12,4                                               |
|                |                  | TOTAL CURRENT            | A    | 28                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                           |
|                |                  | CABLE CROSS-SECTION      |      | 4X10+10 mm²                                        |

| Specifications |                       |                    |                        |
|----------------|-----------------------|--------------------|------------------------|
| OCU 50         | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL |
|                |                       | REFRIGERANT TYPE   | R 410A                 |
|                |                       | REFRIGERANT CHARGE | KG 7,5+7,5             |
|                |                       | WATER OUTLET       | 2"                     |
|                |                       | WATER INLET        | 2"                     |
|                |                       | FILLING            | 1/2"                   |
|                |                       | DRAIN              | 1/2"                   |
|                |                       | WATER TANK         | LT 220                 |
|                |                       | L/W/H DIMENSIONS   | mm 1950 / 1000 / 1750  |
|                |                       | EMPTY WEIGHT       | KG 800                 |
|                |                       | WORKING WEIGHT     | KG 1100                |

| CAPACITY |                     |                          |    |      |      |      |      |      |
|----------|---------------------|--------------------------|----|------|------|------|------|------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15  | +10  | +7   | +5   | 0    |
| OCU 50   | 25 C°               | COOLING CAPACITY         | kW | 55   | 46   | 41   | 39   | 32   |
|          |                     | ABSORBED POWER           | kW | 8,4  | 8,6  | 8,7  | 8,7  | 8,8  |
|          |                     | ABSORBED CURRENT         | A  | 18,4 | 18,4 | 18,4 | 18,4 | 18,4 |
|          |                     | C.O.P.                   |    | 6,6  | 5,4  | 4,8  | 4,4  | 3,6  |
|          | 35 C°               | COOLING CAPACITY         | kW | 48   | 40   | 36   | 34   | 28   |
|          |                     | ABSORBED POWER           | kW | 10,4 | 10,5 | 10,6 | 10,3 | 10,3 |
|          |                     | ABSORBED CURRENT         | A  | 20,6 | 20,7 | 20,8 | 20,8 | 20,8 |
|          |                     | C.O.P.                   |    | 4,6  | 3,8  | 3,4  | 3,2  | 2,6  |
|          | 45 C°               | COOLING CAPACITY         | kW | 41   | 34   | 31   | 28   | 23   |
|          |                     | ABSORBED POWER           | kW | 12,6 | 12,7 | 12,8 | 12,8 | 12,8 |
|          |                     | ABSORBED CURRENT         | A  | 23,8 | 24   | 24   | 24   | 24   |
|          |                     | C.O.P.                   |    | 3,2  | 2,7  | 2,4  | 2,2  | 1,8  |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                    |
|----------------|------------------|--------------------------|------|----------------------------------------------------|
| OCU 80         |                  | NOMINAL YIELD            | kW   | 80(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 6,3                                                |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                    |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                  |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 11,4                                               |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 25                                                 |
|                | FAN              | FAN TYPE                 |      | AXIAL                                              |
|                |                  | FAN QUANTITY             |      | 1                                                  |
|                |                  | TOTAL FAN POWER          | kW   | 1,43                                               |
|                |                  | TOTAL FAN POWER          | A    | 2,8                                                |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 22000                                              |
|                |                  | FAN DIAMETER             | mm   | 800                                                |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                  |
|                |                  | TOTAL PUMP POWER         | kW   | 1,5                                                |
|                |                  | PUMP PRESSURE            | bar  | 1,3                                                |
|                |                  | PUMP FLOW RATE           | m³/h | 16                                                 |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                              |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                  |
|                |                  | TOTAL PUMP POWER         | kW   | 1,5                                                |
|                |                  | PUMP PRESSURE            | bar  | 3,5                                                |
|                |                  | PUMP FLOW RATE           | m³/h | 8                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                              |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                    |
|                |                  | CONDENSER QUANTITY       |      | 2                                                  |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                     |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                  |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                  |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 15,8                                               |
|                |                  | TOTAL CURRENT            | A    | 35                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V /3 PH/50 Hz                              |
|                |                  | CABLE CROSS-SECTION      |      | 4X16+16 mm²                                        |

| Specifications |                       |                    |                        |
|----------------|-----------------------|--------------------|------------------------|
| OCU 80         | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL |
|                |                       | REFRIGERANT TYPE   | R 410A                 |
|                |                       | REFRIGERANT CHARGE | KG 8+8                 |
|                |                       | WATER OUTLET       | 2"                     |
|                |                       | WATER INLET        | 2"                     |
|                |                       | FILLING            | 1/2"                   |
|                |                       | DRAIN              | 1/2"                   |
|                |                       | WATER TANK         | LT 220                 |
|                |                       | L/W/H DIMENSIONS   | mm 2050 / 1200 / 1950  |
|                |                       | EMPTY WEIGHT       | KG 920                 |
|                |                       | WORKING WEIGHT     | KG 1520                |

| CAPACITY |                     |                          |    |      |      |      |      |      |
|----------|---------------------|--------------------------|----|------|------|------|------|------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15  | +10  | +7   | +5   | 0    |
| OCU 80   | 25 C°               | COOLING CAPACITY         | kW | 80   | 66   | 61   | 56   | 46   |
|          |                     | ABSORBED POWER           | kW | 11,4 | 12   | 12,3 | 12,4 | 12,4 |
|          |                     | ABSORBED CURRENT         | A  | 25   | 25,6 | 26   | 26,2 | 26,6 |
|          |                     | C.O.P.                   |    | 6,9  | 5,5  | 5    | 4,5  | 3,7  |
|          | 35 C°               | COOLING CAPACITY         | kW | 70   | 58   | 53   | 48   | 40   |
|          |                     | ABSORBED POWER           | kW | 15   | 15,4 | 15,6 | 15,6 | 15,6 |
|          |                     | ABSORBED CURRENT         | A  | 29,6 | 30   | 30,3 | 30,4 | 30,6 |
|          |                     | C.O.P.                   |    | 4,6  | 3,8  | 3,4  | 3,1  | 2,6  |
|          | 45 C°               | COOLING CAPACITY         | kW | 58   | 50   | 45   | 40   | 34   |
|          |                     | ABSORBED POWER           | kW | 19   | 19,2 | 19,3 | 19,2 | 19,2 |
|          |                     | ABSORBED CURRENT         | A  | 34,6 | 34,8 | 34,9 | 35   | 34,8 |
|          |                     | C.O.P.                   |    | 3,1  | 2,5  | 2,3  | 2,1  | 1,7  |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                     |
|----------------|------------------|--------------------------|------|-----------------------------------------------------|
| OCU 100        |                  | NOMINAL YIELD            | kW   | 104(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 6,2                                                 |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                     |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 15                                                  |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 31                                                  |
|                | FAN              | FAN TYPE                 |      | AXIAL                                               |
|                |                  | FAN QUANTITY             |      | 1                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 1,43                                                |
|                |                  | TOTAL FAN POWER          | A    | 2,8                                                 |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 22000                                               |
|                |                  | FAN DIAMETER             | mm   | 800                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 1,5                                                 |
|                |                  | PUMP PRESSURE            | bar  | 1,3                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 20                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 1,5                                                 |
|                |                  | PUMP PRESSURE            | bar  | 3                                                   |
|                |                  | PUMP FLOW RATE           | m³/h | 10                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                     |
|                |                  | CONDENSER QUANTITY       |      | 2                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                      |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 19,5                                                |
|                |                  | TOTAL CURRENT            | A    | 40                                                  |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                            |
|                |                  | CABLE CROSS-SECTION      |      | 3X25+16+16 mm²                                      |

| Specifications |                       |                    |                        |
|----------------|-----------------------|--------------------|------------------------|
| OCU 100        | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL |
|                |                       | REFRIGERANT TYPE   | R 410A                 |
|                |                       | REFRIGERANT CHARGE | KG 10+10               |
|                |                       | WATER OUTLET       | 2"                     |
|                |                       | WATER INLET        | 2"                     |
|                |                       | FILLING            | 1/2"                   |
|                |                       | DRAIN              | 1/2"                   |
|                |                       | WATER TANK         | LT 220                 |
|                |                       | L/W/H DIMENSIONS   | mm 2050 / 1200 / 2150  |
|                |                       | EMPTY WEIGHT       | KG 980                 |
|                |                       | WORKING WEIGHT     | KG 1240                |

| CAPACITY |                     |                          |    |      |      |      |      |      |
|----------|---------------------|--------------------------|----|------|------|------|------|------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15  | +10  | +7   | +5   | 0    |
| OCU 100  | 25 C°               | COOLING CAPACITY         | kW | 104  | 88   | 79   | 74   | 61   |
|          |                     | ABSORBED POWER           | kW | 15   | 15,6 | 15,8 | 15,8 | 15,9 |
|          |                     | ABSORBED CURRENT         | A  | 31   | 31,7 | 32   | 32   | 32,1 |
|          |                     | C.O.P.                   |    | 6,9  | 5,6  | 5    | 4,6  | 3,8  |
|          | 35 C°               | COOLING CAPACITY         | kW | 92   | 78   | 70   | 64   | 52   |
|          |                     | ABSORBED POWER           | kW | 19,6 | 19,8 | 19,8 | 19,8 | 19,7 |
|          |                     | ABSORBED CURRENT         | A  | 36,5 | 36,7 | 36,8 | 36,8 | 36,8 |
|          |                     | C.O.P.                   |    | 4,7  | 3,9  | 3,5  | 3,2  | 2,7  |
|          | 45 C°               | COOLING CAPACITY         | kW | 78   | 66   | 59   | 54   | 44   |
|          |                     | ABSORBED POWER           | kW | 24,7 | 24,7 | 24,7 | 24,5 | 24,4 |
|          |                     | ABSORBED CURRENT         | A  | 43   | 43   | 43,1 | 43,2 | 43,5 |
|          |                     | C.O.P.                   |    | 3,2  | 2,7  | 2,4  | 2,2  | 1,8  |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.



| Specifications |                  |                          |      |                                                     |
|----------------|------------------|--------------------------|------|-----------------------------------------------------|
| OCU 120        |                  | NOMINAL YIELD            | kW   | 157(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 6                                                   |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                     |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 23,3                                                |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 45,5                                                |
|                | FAN              | FAN TYPE                 |      | AXIAL                                               |
|                |                  | FAN QUANTITY             |      | 2                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 2,9                                                 |
|                |                  | TOTAL FAN POWER          | A    | 5,6                                                 |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 44000                                               |
|                |                  | FAN DIAMETER             | mm   | 800                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 3                                                   |
|                |                  | PUMP PRESSURE            | bar  | 1,4                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 32                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 2,4                                                 |
|                |                  | PUMP PRESSURE            | bar  | 3,2                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 15                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                     |
|                |                  | CONDENSER QUANTITY       |      | 2                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                      |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 32                                                  |
|                |                  | TOTAL CURRENT            | A    | 64                                                  |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                            |
|                |                  | CABLE CROSS-SECTION      |      | 3X50+25+25 mm²                                      |

| Specifications |                       |                    |                        |
|----------------|-----------------------|--------------------|------------------------|
| OCU 120        | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL |
|                |                       | REFRIGERANT TYPE   | R 410A                 |
|                |                       | REFRIGERANT CHARGE | KG 12+12               |
|                |                       | WATER OUTLET       | 2 1/2"                 |
|                |                       | WATER INLET        | 2 1/2"                 |
|                |                       | FILLING            | 1/2"                   |
|                |                       | DRAIN              | 1/2"                   |
|                |                       | WATER TANK         | LT 220                 |
|                |                       | L/W/H DIMENSIONS   | mm 2600 / 1200 / 2200  |
|                |                       | EMPTY WEIGHT       | KG 1730                |
|                |                       | WORKING WEIGHT     | KG 2330                |

| CAPACITY |                     |                          |    |      |      |      |      |      |
|----------|---------------------|--------------------------|----|------|------|------|------|------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15  | +10  | +7   | +5   | 0    |
| OCU 120  | 25 C°               | COOLING CAPACITY         | kW | 157  | 133  | 120  | 112  | 93   |
|          |                     | ABSORBED POWER           | kW | 23,3 | 24,2 | 24,4 | 24,6 | 24,6 |
|          |                     | ABSORBED CURRENT         | A  | 45,5 | 46,6 | 46,8 | 47   | 47   |
|          |                     | C.O.P.                   |    | 6,8  | 5,5  | 4,9  | 4,6  | 3,8  |
|          | 35 C°               | COOLING CAPACITY         | kW | 139  | 117  | 105  | 98   | 81   |
|          |                     | ABSORBED POWER           | kW | 30,3 | 30,6 | 30,6 | 30,5 | 30,3 |
|          |                     | ABSORBED CURRENT         | A  | 54,1 | 54,3 | 54,4 | 54,4 | 54,3 |
|          |                     | C.O.P.                   |    | 4,6  | 3,8  | 3,4  | 3,2  | 2,7  |
|          | 45 C°               | COOLING CAPACITY         | kW | 118  | 99   | 89   | 83   | 68   |
|          |                     | ABSORBED POWER           | kW | 38   | 38   | 37,9 | 37,8 | 37,6 |
|          |                     | ABSORBED CURRENT         | A  | 64,3 | 64,1 | 64   | 64   | 63,8 |
|          |                     | C.O.P.                   |    | 3,1  | 2,6  | 2,4  | 2,2  | 1,8  |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                     |
|----------------|------------------|--------------------------|------|-----------------------------------------------------|
| OCU 250        |                  | NOMINAL YIELD            | kW   | 240(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 6,1                                                 |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                     |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 35,8                                                |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 63,6                                                |
|                | FAN              | FAN TYPE                 |      | AXIAL                                               |
|                |                  | FAN QUANTITY             |      | 4                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 3,4                                                 |
|                |                  | TOTAL FAN POWER          | A    | 7                                                   |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 57680                                               |
|                |                  | FAN DIAMETER             | mm   | 710                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 4                                                   |
|                |                  | PUMP PRESSURE            | bar  | 1,8                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 50                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 5,5                                                 |
|                |                  | PUMP PRESSURE            | bar  | 3,6                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 25                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                     |
|                |                  | CONDENSER QUANTITY       |      | 4                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                      |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 49                                                  |
|                |                  | TOTAL CURRENT            | A    | 91                                                  |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                            |
|                |                  | CABLE CROSS-SECTION      |      | 3X95+50+50 mm²                                      |

| Specifications |                       |                    |                                             |
|----------------|-----------------------|--------------------|---------------------------------------------|
| OCU 250        | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL                      |
|                |                       | REFRIGERANT TYPE   | R 410A                                      |
|                |                       | REFRIGERANT CHARGE | KG 18+18                                    |
|                |                       | WATER OUTLET       | 2 1/2"(3" WITHOUT WATER TANK AND EXT. PUMP) |
|                |                       | WATER INLET        | 2 1/2"(3" WITHOUT WATER TANK AND EXT. PUMP) |
|                |                       | FILLING            | 1/2"                                        |
|                |                       | DRAIN              | 1/2"                                        |
|                |                       | WATER TANK         | LT 460                                      |
|                |                       | L/W/H DIMENSIONS   | mm 2735 / 1915 / 2160                       |
|                |                       | EMPTY WEIGHT       | KG 1780                                     |
|                |                       | WORKING WEIGHT     | KG 2240                                     |

| CAPACITY |                     |                          |    |      |      |      |      |      |
|----------|---------------------|--------------------------|----|------|------|------|------|------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15  | +10  | +7   | +5   | 0    |
| OCU 250  | 25 C°               | COOLING CAPACITY         | kW | 240  | 204  | 184  | 171  | 142  |
|          |                     | ABSORBED POWER           | kW | 35,8 | 36,8 | 37,2 | 37,3 | 37,3 |
|          |                     | ABSORBED CURRENT         | A  | 63,6 | 65   | 65,4 | 65,7 | 65,8 |
|          |                     | C.O.P.                   |    | 6,8  | 5,5  | 4,9  | 4,6  | 3,8  |
|          | 35 C°               | COOLING CAPACITY         | kW | 213  | 179  | 161  | 150  | 124  |
|          |                     | ABSORBED POWER           | kW | 46,2 | 46,4 | 46,3 | 46,2 | 45,8 |
|          |                     | ABSORBED CURRENT         | A  | 77,4 | 77,8 | 77,8 | 77,8 | 77,4 |
|          |                     | C.O.P.                   |    | 4,6  | 3,9  | 3,5  | 3,2  | 2,7  |
|          | 45 C°               | COOLING CAPACITY         | kW | 181  | 152  | 136  | 126  | 105  |
|          |                     | ABSORBED POWER           | kW | 57,8 | 57,5 | 57,2 | 57   | 56,6 |
|          |                     | ABSORBED CURRENT         | A  | 93,9 | 93,6 | 93,3 | 93   | 92,4 |
|          |                     | C.O.P.                   |    | 3,1  | 2,6  | 2,4  | 2,2  | 1,9  |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                     |
|----------------|------------------|--------------------------|------|-----------------------------------------------------|
| OCU 300        |                  | NOMINAL YIELD            | kW   | 310(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°) |
|                |                  | TOTAL COP                |      | 6,1                                                 |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                     |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 45                                                  |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 86,2                                                |
|                | FAN              | FAN TYPE                 |      | AXIAL                                               |
|                |                  | FAN QUANTITY             |      | 4                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 5,7                                                 |
|                |                  | TOTAL FAN POWER          | A    | 11,2                                                |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 88000                                               |
|                |                  | FAN DIAMETER             | mm   | 800                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 5,5                                                 |
|                |                  | PUMP PRESSURE            | bar  | 2,2                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 60                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGALL                              |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | 1                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | 5,5                                                 |
|                |                  | PUMP PRESSURE            | bar  | 3,6                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 30                                                  |
|                |                  | PUMP TYPE                |      | STAINLESS CENTRIFUGAL                               |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                     |
|                |                  | CONDENSER QUANTITY       |      | 4                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                      |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 62                                                  |
|                |                  | TOTAL CURRENT            | A    | 120                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                            |
|                |                  | CABLE CROSS-SECTION      |      | 3X120+70+70 mm²                                     |

| Specifications |                       |                    |                                              |
|----------------|-----------------------|--------------------|----------------------------------------------|
| OCU 300        | TECHNICAL INFORMATION | CONTROL BOARD      | DIJITAL ON/OFF CONTROL                       |
|                |                       | REFRIGERANT TYPE   | R 410A                                       |
|                |                       | REFRIGERANT CHARGE | KG 22+22                                     |
|                |                       | WATER OUTLET       | 2 1/2" (3" WITHOUT WATER TANK AND EXT. PUMP) |
|                |                       | WATER INLET        | 2 1/2" (3" WITHOUT WATER TANK AND EXT. PUMP) |
|                |                       | FILLING            | 1/2"                                         |
|                |                       | DRAIN              | 1/2"                                         |
|                |                       | WATER TANK         | LT 460                                       |
|                |                       | L/W/H DIMENSIONS   | mm 2735 / 2215 / 2400                        |
|                |                       | EMPTY WEIGHT       | KG 2100                                      |
|                |                       | WORKING WEIGHT     | KG 2900                                      |

| CAPACITY |                     |                          |    |       |       |       |       |       |
|----------|---------------------|--------------------------|----|-------|-------|-------|-------|-------|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15   | +10   | +7    | +5    | 0     |
| OCU 300  | 25 C°               | COOLING CAPACITY         | kW | 310   | 263   | 237   | 220   | 184   |
|          |                     | ABSORBED POWER           | kW | 45    | 46,5  | 47    | 47    | 46,8  |
|          |                     | ABSORBED CURRENT         | A  | 86,2  | 88    | 88,6  | 88,7  | 88,7  |
|          |                     | C.O.P.                   |    | 6,9   | 5,7   | 5,1   | 4,7   | 3,9   |
|          | 35 C°               | COOLING CAPACITY         | kW | 275   | 232   | 208   | 194   | 162   |
|          |                     | ABSORBED POWER           | kW | 58,4  | 58,4  | 58,2  | 57,9  | 57,1  |
|          |                     | ABSORBED CURRENT         | A  | 103,3 | 103,6 | 103,4 | 103,1 | 102,2 |
|          |                     | C.O.P.                   |    | 4,7   | 4     | 3,6   | 3,4   | 2,8   |
|          | 45 C°               | COOLING CAPACITY         | kW | 235   | 197   | 177   | 165   | 137   |
|          |                     | ABSORBED POWER           | kW | 72,4  | 71,6  | 71,1  | 70,7  | 69,8  |
|          |                     | ABSORBED CURRENT         | A  | 123   | 122,2 | 121,5 | 121   | 119,8 |
|          |                     | C.O.P.                   |    | 3,3   | 2,8   | 2,5   | 2,3   | 2     |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.



| Specifications |                  |                          |      |                                                                     |
|----------------|------------------|--------------------------|------|---------------------------------------------------------------------|
| OCU 350        |                  | NOMINAL YIELD            | kW   | 382(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°)                 |
|                |                  | TOTAL COP                |      | 5,9                                                                 |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                                     |
|                |                  | COMPRESSOR QUANTITY      |      | 2                                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 56                                                                  |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 103                                                                 |
|                | FAN              | FAN TYPE                 |      | AXIAL                                                               |
|                |                  | FAN QUANTITY             |      | 6                                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 8,6                                                                 |
|                |                  | TOTAL FAN POWER          | A    | 16,8                                                                |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 132000                                                              |
|                |                  | FAN DIAMETER             | mm   | 800                                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                   |
|                |                  | PUMP PRESSURE            | bar  | 2                                                                   |
|                |                  | PUMP FLOW RATE           | m³/h | 75 (Cihaza Dahil Değildir. Olması Gereken Debi Değeri Verilmiştir.) |
|                |                  | PUMP TYPE                |      | -                                                                   |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                   |
|                |                  | PUMP PRESSURE            | bar  | -                                                                   |
|                |                  | PUMP FLOW RATE           | m³/h | -                                                                   |
|                |                  | PUMP TYPE                |      | -                                                                   |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                                     |
|                |                  | CONDENSER QUANTITY       |      | 6                                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                                      |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 65                                                                  |
|                |                  | TOTAL CURRENT            | A    | 120                                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                                            |
|                |                  | CABLE CROSS-SECTION      |      | 3X150+70+70 mm²                                                     |

| Specifications |                       |                    |                       |
|----------------|-----------------------|--------------------|-----------------------|
| OCU 350        | TECHNICAL INFORMATION | CONTROL BOARD      | PLC CONTROL           |
|                |                       | REFRIGERANT TYPE   | R 410A                |
|                |                       | REFRIGERANT CHARGE | KG 2x22               |
|                |                       | WATER OUTLET       | 4"                    |
|                |                       | WATER INLET        | 4"                    |
|                |                       | FILLING            | -                     |
|                |                       | DRAIN              | -                     |
|                |                       | WATER TANK         | LT -                  |
|                |                       | L/W/H DIMENSIONS   | mm 4000 / 2215 / 2400 |
|                |                       | EMPTY WEIGHT       | KG 3000               |
|                |                       | WORKING WEIGHT     | KG -                  |

| CAPACITY |                     |                          |    |     |     |     |     |     |
|----------|---------------------|--------------------------|----|-----|-----|-----|-----|-----|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15 | +10 | +7  | +5  | 0   |
| OCU 350  | 25 C°               | COOLING CAPACITY         | kW | 382 | 323 | 291 | 271 | 226 |
|          |                     | ABSORBED POWER           | kW | 56  | 58  | 58  | 58  | 58  |
|          |                     | ABSORBED CURRENT         | A  | 103 | 105 | 106 | 106 | 107 |
|          |                     | C.O.P.                   |    | 6,8 | 5,6 | 5   | 4,6 | 3,9 |
|          | 35 C°               | COOLING CAPACITY         | kW | 338 | 285 | 257 | 239 | 199 |
|          |                     | ABSORBED POWER           | kW | 73  | 73  | 73  | 73  | 72  |
|          |                     | ABSORBED CURRENT         | A  | 125 | 126 | 126 | 126 | 125 |
|          |                     | C.O.P.                   |    | 4,7 | 3,9 | 3,5 | 3,3 | 2,8 |
|          | 45 C°               | COOLING CAPACITY         | kW | 289 | 243 | 218 | 203 | 169 |
|          |                     | ABSORBED POWER           | kW | 91  | 90  | 90  | 90  | 89  |
|          |                     | ABSORBED CURRENT         | A  | 152 | 152 | 151 | 151 | 150 |
|          |                     | C.O.P.                   |    | 3,2 | 2,7 | 2,4 | 2,3 | 1,9 |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                                     |
|----------------|------------------|--------------------------|------|---------------------------------------------------------------------|
| OCU 400        |                  | NOMINAL YIELD            | kW   | 384(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°)                 |
|                |                  | TOTAL COP                |      | 6                                                                   |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                                     |
|                |                  | COMPRESSOR QUANTITY      |      | 4                                                                   |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 57                                                                  |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 111                                                                 |
|                | FAN              | FAN TYPE                 |      | AXIAL                                                               |
|                |                  | FAN QUANTITY             |      | 8                                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 6,8                                                                 |
|                |                  | TOTAL FAN POWER          | A    | 14                                                                  |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 115360                                                              |
|                |                  | FAN DIAMETER             | mm   | 710                                                                 |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                   |
|                |                  | PUMP PRESSURE            | bar  | 2,5                                                                 |
|                |                  | PUMP FLOW RATE           | m³/h | 80 (Cihaza Dahil Değildir. Olması Gereken Debi Değeri Verilmiştir.) |
|                |                  | PUMP TYPE                |      | -                                                                   |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                   |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                   |
|                |                  | PUMP PRESSURE            | bar  | -                                                                   |
|                |                  | PUMP FLOW RATE           | m³/h | -                                                                   |
|                |                  | PUMP TYPE                |      | -                                                                   |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                                     |
|                |                  | CONDENSER QUANTITY       |      | 8                                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                                      |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                                   |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                                   |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 64                                                                  |
|                |                  | TOTAL CURRENT            | A    | 125                                                                 |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH /50 Hz                                             |
|                |                  | CABLE CROSS-SECTION      |      | 3X150+70+70 mm²                                                     |

| Specifications |                       |                    |                       |
|----------------|-----------------------|--------------------|-----------------------|
| OCU 400        | TECHNICAL INFORMATION | CONTROL BOARD      | PLC CONTROL           |
|                |                       | REFRIGERANT TYPE   | R 410A                |
|                |                       | REFRIGERANT CHARGE | KG 4x18               |
|                |                       | WATER OUTLET       | 4"                    |
|                |                       | WATER INLET        | 4"                    |
|                |                       | FILLING            | -                     |
|                |                       | DRAIN              | -                     |
|                |                       | WATER TANK         | LT -                  |
|                |                       | L/W/H DIMENSIONS   | mm 5180 / 1915 / 2160 |
|                |                       | EMPTY WEIGHT       | KG 2100               |
|                |                       | WORKING WEIGHT     | KG -                  |

| CAPACITY |                     |                          |    |     |     |     |     |     |
|----------|---------------------|--------------------------|----|-----|-----|-----|-----|-----|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15 | +10 | +7  | +5  | 0   |
| OCU 400  | 25 C°               | COOLING CAPACITY         | kW | 384 | 326 | 294 | 274 | 228 |
|          |                     | ABSORBED POWER           | kW | 57  | 58  | 58  | 58  | 58  |
|          |                     | ABSORBED CURRENT         | A  | 111 | 112 | 113 | 113 | 113 |
|          |                     | C.O.P.                   |    | 6,8 | 5,6 | 5   | 4,7 | 3,9 |
|          | 35 C°               | COOLING CAPACITY         | kW | 340 | 286 | 258 | 240 | 200 |
|          |                     | ABSORBED POWER           | kW | 73  | 73  | 73  | 73  | 72  |
|          |                     | ABSORBED CURRENT         | A  | 130 | 130 | 130 | 130 | 129 |
|          |                     | C.O.P.                   |    | 4,7 | 3,9 | 3,5 | 3,3 | 2,8 |
|          | 45 C°               | COOLING CAPACITY         | kW | 288 | 242 | 218 | 202 | 168 |
|          |                     | ABSORBED POWER           | kW | 91  | 91  | 90  | 90  | 90  |
|          |                     | ABSORBED CURRENT         | A  | 154 | 153 | 153 | 152 | 152 |
|          |                     | C.O.P.                   |    | 3,2 | 2,7 | 2,4 | 2,2 | 1,9 |

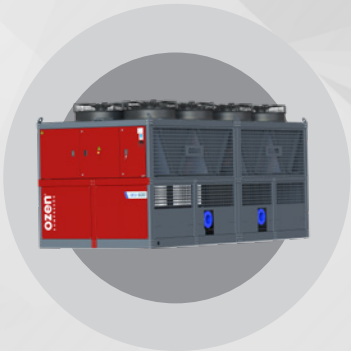


**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

| Specifications |                  |                          |      |                                                                      |
|----------------|------------------|--------------------------|------|----------------------------------------------------------------------|
| OCU 600        |                  | NOMINAL YIELD            | kW   | 622(çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°)                  |
|                |                  | TOTAL COP                |      | 6,1                                                                  |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                                      |
|                |                  | COMPRESSOR QUANTITY      |      | 4                                                                    |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 90                                                                   |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 172                                                                  |
|                | FAN              | FAN TYPE                 |      | AXIAL                                                                |
|                |                  | FAN QUANTITY             |      | 8                                                                    |
|                |                  | TOTAL FAN POWER          | kW   | 11,5                                                                 |
|                |                  | TOTAL FAN POWER          | A    | 22,4                                                                 |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 176000                                                               |
|                |                  | FAN DIAMETER             | mm   | 800                                                                  |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                    |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                    |
|                |                  | PUMP PRESSURE            | bar  | 2,5                                                                  |
|                |                  | PUMP FLOW RATE           | m³/h | 120 (Cihazı Dahil Değildir. Olması Gereken Debi Değeri Verilmiştir.) |
|                |                  | PUMP TYPE                |      | -                                                                    |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                    |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                    |
|                |                  | PUMP PRESSURE            | bar  | -                                                                    |
|                |                  | PUMP FLOW RATE           | m³/h | -                                                                    |
|                |                  | PUMP TYPE                |      | -                                                                    |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                                      |
|                |                  | CONDENSER QUANTITY       |      | 8                                                                    |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                                       |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                                    |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                                    |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 102                                                                  |
|                |                  | TOTAL CURRENT            | A    | 196                                                                  |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                                             |
|                |                  | CABLE CROSS-SECTION      |      | 2X(3X95+50+50)mm²                                                    |

| Specifications |                       |                    |                       |
|----------------|-----------------------|--------------------|-----------------------|
| OCU 600        | TECHNICAL INFORMATION | CONTROL BOARD      | PLC CONTROL           |
|                |                       | REFRIGERANT TYPE   | R 410A                |
|                |                       | REFRIGERANT CHARGE | KG 4x22               |
|                |                       | WATER OUTLET       | 4"                    |
|                |                       | WATER INLET        | 4"                    |
|                |                       | FILLING            | -                     |
|                |                       | DRAIN              | -                     |
|                |                       | WATER TANK         | LT -                  |
|                |                       | L/W/H DIMENSIONS   | mm 5180 / 2215 / 2400 |
|                |                       | EMPTY WEIGHT       | KG 3200               |
|                |                       | WORKING WEIGHT     | KG -                  |

| CAPACITY |                     |                          |    |     |     |     |     |     |
|----------|---------------------|--------------------------|----|-----|-----|-----|-----|-----|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15 | +10 | +7  | +5  | 0   |
| OCU 600  | 25 C°               | COOLING CAPACITY         | kW | 622 | 525 | 473 | 441 | 368 |
|          |                     | ABSORBED POWER           | kW | 90  | 93  | 94  | 94  | 94  |
|          |                     | ABSORBED CURRENT         | A  | 172 | 176 | 177 | 178 | 178 |
|          |                     | C.O.P.                   |    | 6,9 | 5,7 | 5   | 4,7 | 3,9 |
|          | 35 C°               | COOLING CAPACITY         | kW | 550 | 463 | 417 | 388 | 324 |
|          |                     | ABSORBED POWER           | kW | 117 | 117 | 116 | 116 | 114 |
|          |                     | ABSORBED CURRENT         | A  | 207 | 207 | 207 | 206 | 205 |
|          |                     | C.O.P.                   |    | 4,7 | 4   | 3,6 | 3,4 | 2,8 |
|          | 45 C°               | COOLING CAPACITY         | kW | 470 | 395 | 354 | 330 | 275 |
|          |                     | ABSORBED POWER           | kW | 145 | 143 | 142 | 141 | 140 |
|          |                     | ABSORBED CURRENT         | A  | 246 | 244 | 243 | 242 | 240 |
|          |                     | C.O.P.                   |    | 3,3 | 2,8 | 2,5 | 2,3 | 2   |



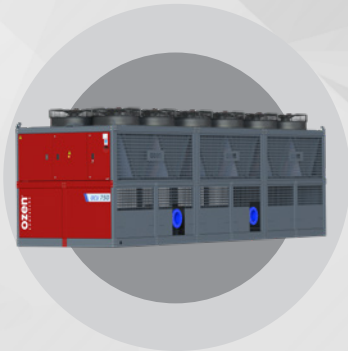
**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.



| Specifications |                  |                          |      |                                                                      |
|----------------|------------------|--------------------------|------|----------------------------------------------------------------------|
| OCU 750        |                  | NOMINAL YIELD            | kW   | 764 (çevre sıcaklığı:25 C°/su çıkış sıcaklığı:15 C°)                 |
|                |                  | TOTAL COP                |      | 5,9                                                                  |
|                | COMPRESSOR       | COMPRESSOR TYPE          |      | HERMETIC SCROLL                                                      |
|                |                  | COMPRESSOR QUANTITY      |      | 4                                                                    |
|                |                  | TOTAL COMPRESSOR POWER   | kW   | 112                                                                  |
|                |                  | TOTAL COMPRESSOR CURRENT | A    | 205                                                                  |
|                | FAN              | FAN TYPE                 |      | AXIAL                                                                |
|                |                  | FAN QUANTITY             |      | 12                                                                   |
|                |                  | TOTAL FAN POWER          | kW   | 17,2                                                                 |
|                |                  | TOTAL FAN POWER          | A    | 33,6                                                                 |
|                |                  | TOTAL FAN FLOW RATE      | m³/h | 264000                                                               |
|                |                  | FAN DIAMETER             | mm   | 800                                                                  |
|                | INTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                    |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                    |
|                |                  | PUMP PRESSURE            | bar  | 3                                                                    |
|                |                  | PUMP FLOW RATE           | m³/h | 140 (Cihaza Dahil Değildir. Olması Gereken Debi Değeri Verilmiştir.) |
|                |                  | PUMP TYPE                |      | -                                                                    |
|                | EXTERNAL PUMP    | PUMP QUANTITY            |      | -                                                                    |
|                |                  | TOTAL PUMP POWER         | kW   | -                                                                    |
|                |                  | PUMP PRESSURE            | bar  | -                                                                    |
|                |                  | PUMP FLOW RATE           | m³/h | -                                                                    |
|                |                  | PUMP TYPE                |      | -                                                                    |
|                | CONDENSER        | CONDENSER TYPE           |      | ALUMINUM MICROCHANNEL CONDENSER                                      |
|                |                  | CONDENSER QUANTITY       |      | 12                                                                   |
|                | EVAPORATOR       | EVAPORATOR TYPE          |      | SHELL AND TUBE                                                       |
|                |                  | EVAPORATOR QUANTITY      |      | 1                                                                    |
|                |                  | NUMBER OF CIRCUITS       |      | 2                                                                    |
|                | ELECTRICAL DATAS | TOTAL POWER              | kW   | 129                                                                  |
|                |                  | TOTAL CURRENT            | A    | 240                                                                  |
|                |                  | VOLTAGE                  |      | 380-415 V / 3 PH / 50 Hz                                             |
|                |                  | CABLE CROSS-SECTION      |      | 2X(3X120+70+70)mm²                                                   |

| Specifications |                       |                    |                       |
|----------------|-----------------------|--------------------|-----------------------|
| OCU 750        | TECHNICAL INFORMATION | CONTROL BOARD      | PLC CONTROL           |
|                |                       | REFRIGERANT TYPE   | R 410A                |
|                |                       | REFRIGERANT CHARGE | KG 2x44               |
|                |                       | WATER OUTLET       | 6"                    |
|                |                       | WATER INLET        | 6"                    |
|                |                       | FILLING            | -                     |
|                |                       | DRAIN              | -                     |
|                |                       | WATER TANK         | LT -                  |
|                |                       | L/W/H DIMENSIONS   | mm 7610 / 2215 / 2400 |
|                |                       | EMPTY WEIGHT       | KG 5000               |
|                |                       | WORKING WEIGHT     | KG -                  |

| CAPACITY |                     |                          |    |     |     |     |     |     |
|----------|---------------------|--------------------------|----|-----|-----|-----|-----|-----|
| MODEL    | AMBIENT TEMPERATURE | OUTLET WATER TEMPERATURE |    | +15 | +10 | +7  | +5  | 0   |
| OCU 750  | 25 C°               | COOLING CAPACITY         | kW | 764 | 645 | 582 | 542 | 452 |
|          |                     | ABSORBED POWER           | kW | 112 | 115 | 116 | 117 | 117 |
|          |                     | ABSORBED CURRENT         | A  | 205 | 210 | 212 | 212 | 213 |
|          |                     | C.O.P.                   |    | 6,8 | 5,6 | 5   | 4,7 | 3,9 |
|          | 35 C°               | COOLING CAPACITY         | kW | 675 | 570 | 513 | 478 | 398 |
|          |                     | ABSORBED POWER           | kW | 145 | 146 | 146 | 145 | 144 |
|          |                     | ABSORBED CURRENT         | A  | 250 | 252 | 252 | 252 | 250 |
|          |                     | C.O.P.                   |    | 4,7 | 3,9 | 3,5 | 3,3 | 2,8 |
|          | 45 C°               | COOLING CAPACITY         | kW | 576 | 486 | 436 | 406 | 337 |
|          |                     | ABSORBED POWER           | kW | 182 | 181 | 180 | 179 | 178 |
|          |                     | ABSORBED CURRENT         | A  | 304 | 303 | 302 | 302 | 301 |
|          |                     | C.O.P.                   |    | 3,2 | 2,7 | 2,4 | 2,3 | 1,9 |



**SUBCOOLING: 0 K / SUPERHEAT: 10 K**  
- Cable length of 25 meters is given for a top coating for longer distances center.  
- The water flow rate and the pressure is valid for max 10 metres. Use a tank and proses pump for long piping.

## ► OCU Chiller Series



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