

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
		PUMP TYPE		CENTRIFUGAL
	EXTERNAL PUMP	PUMP QUANTITY		EXTERNAL PUMP NOT AVAILABLE
		TOTAL PUMP POWER	kW	-
PUMP PRESSURE		bar	-	
PUMP FLOW RATE		m³/h	-	
PUMP TYPE			-	
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	
	PUMP TYPE		STAINLESS CENTRIFUGAL	
EXTERNAL PUMP	PUMP QUANTITY		EXTERNAL PUMP NOT AVAILABLE	
	TOTAL PUMP POWER	kW	-	
	PUMP PRESSURE	bar	-	
	PUMP FLOW RATE	m³/h	-	
	PUMP TYPE		-	
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		380-415V / 3PH / 50 Hz	
	CABLE CROSS-SECTION		4X6+6mm²	

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 / 3PH / 50Hz	
	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



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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		380-415V / 3PH/50Hz	
	CABLE CROSS-SECTION		3X25+16+16mm²	

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	
INTERNAL PUMP	FAN DIAMETER	mm		800	
	PUMP QUANTITY			1	
	TOTAL PUMP POWER	kW		3	
	PUMP PRESSURE	bar		1,4	
	PUMP FLOW RATE	m³/h		32	
EXTERNAL PUMP	PUMP TYPE			STAINLESS CENTRIFUGAL	
	PUMP QUANTITY			1	
	TOTAL PUMP POWER	kW		2,4	
	PUMP PRESSURE	bar		3,2	
	PUMP FLOW RATE	m³/h		15	
CONDENSER	PUMP TYPE			STAINLESS CENTRIFUGAL	
	CONDENSER TYPE			ALUMINUM MICROCHANNEL CONDENSER	
EVAPORATOR	CONDENSER QUANTITY			2	
	EVAPORATOR TYPE			SHELL AND TUBE	
ELECTRICAL DATAS	EVAPORATOR QUANTITY			1	
	NUMBER OF CIRCUITS			2	
	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	
EXTERNAL PUMP	PUMP TYPE		STAINLESS CENTRIFUGAL	
	PUMP QUANTITY		1	
	TOTAL PUMP POWER	kW	5,5	
	PUMP PRESSURE	bar	3,6	
	PUMP FLOW RATE	m³/h	25	
CONDENSER	PUMP TYPE		STAINLESS CENTRIFUGAL	
	CONDENSER TYPE		ALUMINUM MICROCHANNEL CONDENSER	
	CONDENSER QUANTITY		4	
	EVAPORATOR TYPE		SHELL AND TUBE	
EVAPORATOR	EVAPORATOR QUANTITY		1	
	NUMBER OF CIRCUITS		2	
	TOTAL POWER	kW	49	
ELECTRICAL DATAS	TOTAL CURRENT	A	91	
	VOLTAGE		380-415V/3PH/50Hz	
	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 probes 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	
EXTERNAL PUMP	PUMP TYPE		STAINLESS CENTRIFUGALL	
	PUMP QUANTITY		1	
	TOTAL PUMP POWER	kW	5,5	
	PUMP PRESSURE	bar	3,6	
	PUMP FLOW RATE	m³/h	30	
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		380-415V/3PH/50Hz	
	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

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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		380-415V/3PH/50Hz	
	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

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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.)
	EXTERNAL PUMP	PUMP TYPE		-
		PUMP QUANTITY		-
		TOTAL PUMP POWER	kW	-
PUMP PRESSURE		bar	-	
PUMP FLOW RATE		m³/h	-	
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

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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 (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	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

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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.)
	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

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► OCU Chiller Series

