

OUBS Series

Water-Cooled w/
Semi-Hermetic Compressor





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OUBS

**OUBS Series Water-Cooled Unit
with Semi-Hermetic Compressor**



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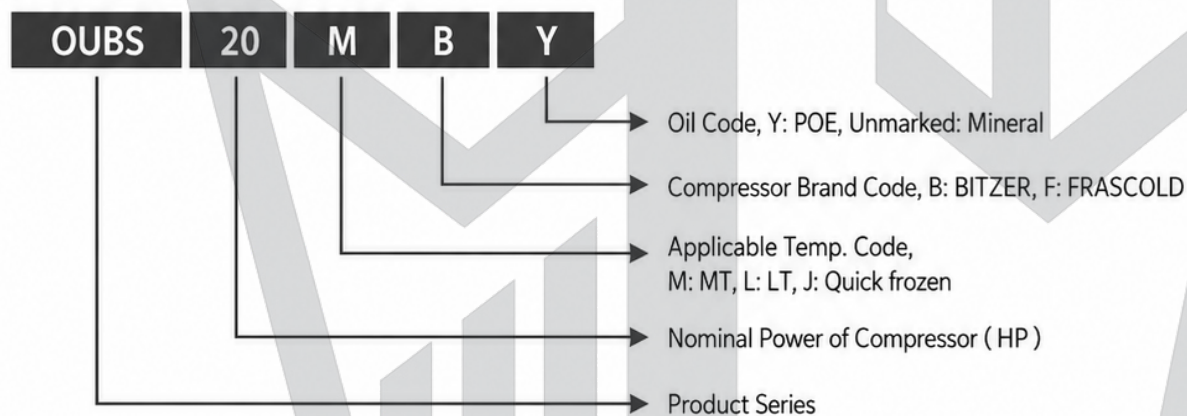
OUBS Series Water-Cool Unit with Semi-Hermetic Compressor

1. PRODUCT DESCRIPTION

OUBS series water-cool condensing units have the following characteristics:

- 1 Adopted semi-hermetic piston compressors with BITZER or FRASCOLD. It has good quality and high reliability;
- 2 Adopted high efficiency shell-tube type water condenser with good cooling effect and low condensation temperature;
- 3 The condenser, compressor and various accessories are installed on an integral frame, which is compact in structure and convenient in operation and maintenance;
- 4 The product series is complete, suitable for a wide range of temperatures. It has medium, low temperature and quick frozen working conditions design. It can meet the needs of refrigeration equipment at various temperatures;
- 5 It can meet the requirements of R22, R404A, R507A, R448A, R449A and other refrigerants.

2. MODEL DESCRIPTION





3. TECHNICAL DATA

3.1 Series Units With BITZER Semi-hermetic Compressor

3.1.1 Medium Temp. Unit

1) Refrigerant R22

Model		OUBS12MB	OUBS15MB	OUBS20MB	OUBS25MB
Power Supply		3P / 380V / 50Hz			
Apply Temp.		-5°C ~ 5°C			
Compressor Model		4TES-12	4PES-15	4NES-20	4HE-25
Max. I (A)		25.2	28.2	33.2	44.0
Capacity / Power (kW)	-5°C	26.9 / 8.5	30.9 / 9.5	36.4 / 11.4	47.7 / 14.9
	-10°C	22.0 / 7.8	25.1 / 8.7	29.7 / 10.5	39.1 / 13.7
	-15°C	17.7 / 7.0	20.2 / 7.9	23.9 / 9.4	31.6 / 12.4
Water Flow (m3/h)		7.5	8.5	10	13
Suction Line (mm)		Φ35	Φ42	Φ42	Φ54
Liquid Line (mm)		Φ16	Φ19	Φ22	Φ22
Water Connect (inch)		Rc2	Rc2	Rc2	Rc2-1/2
Size	A (mm)	1397	1397	1397	1647
	B (mm)	783	783	783	823
	C (mm)	819	819	819	878
Install a×b (mm)		900×350	900×350	900×350	1000×420

Model		OUBS30MB	OUBS35MB	OUBS40MB	OUBS50MB
Power Supply		3P / 380V / 50Hz			
Apply Temp.		-5°C ~ 5°C			
Compressor Model		4GE-30	4FE-35	6GE-40	6FE-50
Max. I (A)		51.2	62.1	73.9	96.2
Capacity / Power (kW)	-5°C	56.1 / 17.7	67.0 / 20.7	83.5 / 26.4	100.5 / 31.4
	-10°C	46.1 / 16.3	55.1 / 19.2	68.5 / 24.2	82.6 / 29.1
	-15°C	37.5 / 14.9	44.8 / 17.5	55.6 / 22.0	67.1 / 26.5
Water Flow (m3/h)		15	18	22.5	27
Suction Line (mm)		Φ54	Φ54	Φ54	Φ54
Liquid Line (mm)		Φ22	Φ22	Φ22	Φ28
Water Connect (inch)		Rc2-1/2	Rc2-1/2	Rc2-1/2	Rc2-1/2
Size	A (mm)	1647	1647	1647	1907
	B (mm)	823	823	823	823
	C (mm)	878	878	872	872
Install a×b (mm)		1000×420	1000×420	1000×420	1000×420



Calibration of parameters for inlet temperature of cooling water at 30°C, and condensation temperature is 40°C.



3. TECHNICAL DATA

3.1 Series Units With BITZER Semi-hermetic Compressor

3.1.1 Medium Temp. Unit

2) Refrigerant R404A / R507A

Model		OUBS12MBY	OUBS15MBY	OUBS20MBY	OUBS25MBY
Power Supply		3P / 380V / 50Hz			
Apply Temp.		-5°C ~ 5°C			
Comp. Model		4TES-12Y	4PES-15Y	4NES-20Y	4HE-25Y
Comp. Max. I (A)		25.2	28.2	33.2	44.0
Capacity/ Power (kW)	-5°C	26.9/9.6	30.9/10.7	36.7/12.9	48.9/17.4
	-10°C	21.9/8.7	25.1/9.8	29.9/11.8	40.3/15.9
	-15°C	17.7/7.9	20.1/8.8	24.0/10.7	32.8/14.4
Water Flow (m3/h)		7.5	8.5	10	13
Suction Line (mm)		Φ35	Φ42	Φ42	Φ54
Liquid Line (mm)		Φ16	Φ19	Φ22	Φ22
Water Connect (inch)		Rc2	Rc2	Rc2	Rc2-1/2
Size	A (mm)	1397	1397	1397	1647
	B (mm)	783	783	783	823
	C (mm)	819	819	819	878
Install a×b (mm)		900×350	900×350	900×350	1000×420

Model		OUBS30MBY	OUBS35MBY	OUBS40MBY	OUBS50MBY
Power Supply		3P / 380V / 50Hz			
Apply Temp.		-5°C ~ 5°C			
Comp. Model		4GE-30Y	4FE-35Y	6GE-40Y	6FE-50Y
Comp. Max. I (A)		51.2	62.1	73.9	96.2
Capacity/ Power (kW)	-5°C	56.5/20.7	66.7/24.5	83.2/30.7	100.0/36.8
	-10°C	46.6/18.9	55.1/22.5	68.8/28.2	82.7/34.0
	-15°C	38.1/17.1	45.2/20.5	56.4/25.6	67.7/31.0
Water Flow (m3/h)		15	18	22.5	27
Suction Line (mm)		Φ54	Φ54	Φ54	Φ54
Liquid Line (mm)		Φ22	Φ22	Φ22	Φ28
Water Connect (inch)		Rc2-1/2	Rc2-1/2	Rc2-1/2	Rc2-1/2
Size	A (mm)	1647	1647	1647	1647
	B (mm)	823	823	823	823
	C (mm)	878	878	872	872
Install a×b (mm)		1000×420	1000×420	1000×420	1000×420



Calibration of parameters for inlet temperature of cooling water at 30°C, and condensation temperature is 40°C.



3. TECHNICAL DATA

3.1 Series Units With BITZER Semi-hermetic Compressor

3.1.2 Low temp. unit

1) Refrigerant R404A / R507A

MODEL		OUBS09LBY	OUBS12LBY	OUBS14LBY	OUBS18LBY
Power Supply		3P / 380V / 50Hz			
Apply Temp.		-15°C ~ -30°C			
Compressor Model		4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y
Max. Current (A)		19.9	22.7	26.6	36.7
Capacity / Power (kW), Evap.	-20°C	13.1/7.1	14.7/7.9	17.8/9.7	24.7/12.3
	-25°C	9.9/6.2	11.1/6.8	13.5/8.5	19.1/11.7
	-30°C	7.8/5.3	8.6/5.8	10.6/7.2	15.2/10.1
	-35°C	5.8/4.4	6.3/4.8	7.9/6.0	11.5/8.7
	-40°C	4.2/3.6	4.5/3.9	5.8/5.0	8.5/7.3
Water Flow (m3/h)		3.5	4.0	5.0	6.5
Suction Line (mm)		Φ35	Φ35	Φ35	Φ42
Liquid Line (mm)		Φ16	Φ16	Φ16	Φ19
Water Connect (inch)		Rc1-1/4	Rc1-1/4	Rc1-1/2	Rc2
Size	A (mm)	1139	1139	1139	1397
	B (mm)	649	649	649	783
	C (mm)	755	755	755	819
Install a×b (mm)		800×320	800×320	800×320	900×350

MODEL		OUBS23LBY	OUBS28LBY	OUBS34LBY	OUBS44LBY
Power Supply		3P / 380V / 50Hz			
Apply Temp.		-15°C ~ -30°C			
Compressor Model		4GE-23Y	4FE-28Y	6GE-34Y	6FE-44Y
Max. Current (A)		43.9	52.8	65.5	83.2
Capacity / Power (kW), Evap.	-20°C	28.8/15.7	34.3/18.8	43.0/23.6	51.5/28.6
	-25°C	22.4/13.9	26.7/16.7	33.6/21.1	40.1/25.5
	-30°C	17.9/12.0	21.4/14.4	27.0/18.2	32.1/22.2
	-35°C	13.7/10.2	16.4/12.3	20.9/15.7	24.6/19.1
	-40°C	10.2/8.6	12.2/10.3	15.7/13.3	18.3/16.2
Water Flow (m3/h)		8.0	9.0	11.5	14.0
Suction Line (mm)		Φ54	Φ54	Φ54	Φ54
Liquid Line (mm)		Φ22	Φ22	Φ22	Φ28
Water Connect (inch)		Rc2	Rc2-1/2	Rc2-1/2	Rc2-1/2
Size	A (mm)	1397	1647	1647	1647
	B (mm)	783	823	823	823
	C (mm)	878	878	878	878
Install a×b (mm)		900×350	1000×420	1000×420	1000×420



Calibration of parameters for inlet temperature of cooling water at 30°C, and condensation temperature is 40°C.



3. TECHNICAL DATA

3.1 Series Units With BITZER Semi-hermetic Compressor

3.1.3 Quick freezing unit with two stage compressor

1) Refrigerant R404A / R507A

Model			OUBS05JBY	OUBS08JBY	OUBS12JBY	OUBS16JBY	
Power Supply			3P / 380V / 50Hz				
Applicable Temp.			-25°C ~ -60°C				
Compressor Model			S4T - 5.2Y	S4N - 8.2Y	S4G - 12.2Y	S6J - 16.2Y	
Max. Current (A)			14.0	17.0	24.0	31.0	
Capacity / Power (kW)	Evap. temp.	-30°C	7.1/4.7	10.1/6.8	15.6/10.2	21.5/14.6	
		-35°C	5.8/4.4	8.2/6.2	12.9/9.4	18.0/13.2	
		-40°C	4.7/4.0	6.6/5.7	10.6/8.5	14.8/11.9	
		-45°C	3.7/3.6	5.3/5.1	8.5/7.6	12.0/10.6	
		-50°C	2.9/3.1	4.1/4.5	6.7/6.7	9.5/9.4	
		-55°C	2.2/2.7	3.2/3.9	5.2/5.9	7.4/8.3	
		-60°C	1.6/2.3	2.3/3.3	3.9/5.0	5.6/7.2	
			-65°C	1.1/1.9	1.6/2.8	2.8/4.2	4.0/6.1
Water Flow (m3/h)			2.0	3.0	4.5	6.5	
Suction Line (mm)			φ28	φ28	φ35	φ42	
Liquid Line (mm)			φ12	φ16	φ16	φ22	
Water Connect (inch)			Rc1-1/4	Rc1-1/4	Rc1-1/2	Rc2	
Size	A (mm)		1200	1200	1200	1397	
	B (mm)		750	780	780	850	
	C (mm)		820	900	940	980	
Install a×b (mm)			800×320	800×320	800×320	900×350	

Model			OUBS20JBY	OUBS25JBY	OUBS30JBY	
Power Supply			3P / 380V / 50Hz			
Applicable Temp.			-25°C ~ -60°C			
Compressor Model			S6H - 20.2Y	S6G - 25.2Y	S6F - 30.2Y	
Max. Current (A)			37.0	43.0	51.0	
Capacity / Power (kW)	Evap. temp.	-30°C	24.9/16.9	28.3/19.4	33.6/23.1	
		-35°C	20.8/15.3	23.7/17.6	28.1/21.0	
		-40°C	17.1/13.8	19.5/15.9	23.1/19.0	
		-45°C	13.9/12.3	15.8/14.2	18.8/17.0	
		-50°C	11.0/10.9	12.6/12.6	15.0/15.0	
		-55°C	8.6/9.6	9.8/11.0	11.7/13.1	
		-60°C	6.5/8.3	7.4/9.5	8.8/11.4	
			-65°C	4.7/7.1	5.3/8.1	6.4/9.7
Water Flow (m3/h)			7.5	8.5	10.0	
Suction Line (mm)			φ42	φ42	φ42	
Liquid Line (mm)			φ22	φ22	φ22	
Water Connect (inch)			Rc2	Rc2-1/2	Rc2-1/2	
Size	A (mm)		1397	1647	1647	
	B (mm)		850	850	850	
	C (mm)		980	980	980	
Install a×b (mm)			900×350	1000×420	1000×420	

Calibration of parameters for inlet temperature of cooling water at 30°C,
and condensation temperature is 40°C.



3.2 CONFIGURATION TABLE OF UNITS

3.2.1 Medium temp. units

Parts	OUBS-B Model of Unit							
	-12M	-15M	-20M	-25M	-30M	-35M	-40M	-50M
Compressor	●	●	●	●	●	●	●	●
Oil Heater	●	●	●	●	●	●	●	●
Discharge Vibration Damper	●	●	●	●	●	●	●	●
Oil Separator	●	●	●	●	●	●	●	●
Water Condenser	●	●	●	●	●	●	●	●
Liquid Filter	●	●	●	●	●	●	●	●
Sight Glass	●	●	●	●	●	●	●	●
Solenoid Valve	●	●	●	●	●	●	●	●
HP/LP Switch	●	●	●	●	●	●	●	●
Oil Protective Switch	▲	▲	▲	●	●	●	●	●
HP/LP Gauge	●	●	●	●	●	●	●	●
Accumulator	▲	▲	▲	▲	▲	▲	▲	▲
Electric Control for Unit	▲	▲	▲	▲	▲	▲	▲	▲

● Standard Configuration; ▲ Optional, needs extra cost;

3.2.2 Low temp. units

Parts	OUBS-B Model of Unit							
	-09L	-12L	-14L	-18L	-23L	-28L	-34L	-44L
Compressor	●	●	●	●	●	●	●	●
Oil Heater	●	●	●	●	●	●	●	●
Discharge Vibration Damper	●	●	●	●	●	●	●	●
Oil Separator	●	●	●	●	●	●	●	●
Water Condenser	●	●	●	●	●	●	●	●
Liquid Filter	●	●	●	●	●	●	●	●
Sight Glass	●	●	●	●	●	●	●	●
Solenoid Valve	●	●	●	●	●	●	●	●
HP/LP Switch	●	●	●	●	●	●	●	●
Oil Protective Switch	▲	▲	▲	●	●	●	●	●
HP/LP Gauge	●	●	●	●	●	●	●	●
Accumulator	▲	▲	▲	▲	▲	▲	▲	▲
Electric Control for Unit	▲	▲	▲	▲	▲	▲	▲	▲

● Standard Configuration; ▲ Optional, needs extra cost;

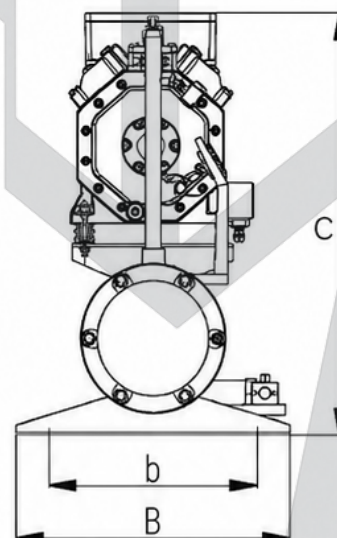
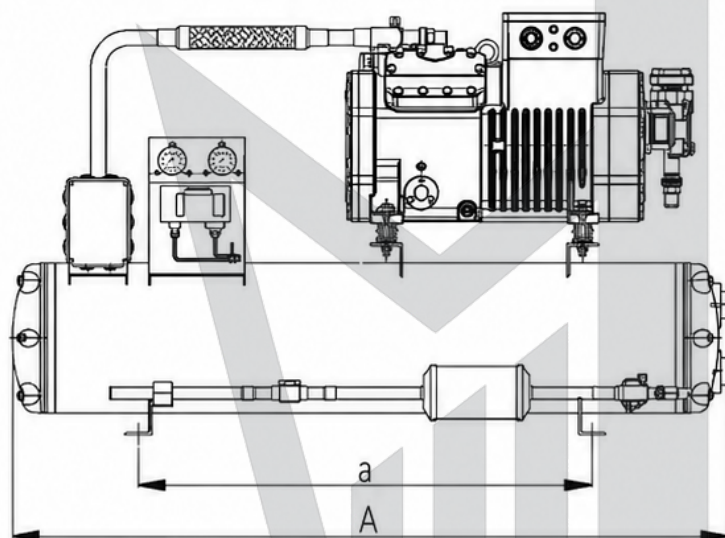


3.2.3 Quick freezing unit with two stage compressor

Parts	OUBS Series Model of Unit						
	-05J	-08J	-12J	-16J	-20J	-25J	-30J
Two stage compressor	●	●	●	●	●	●	●
Oil Heater	●	●	●	●	●	●	●
Discharge Vibration Damper	●	●	●	●	●	●	●
Oil Separator	●	●	●	●	●	●	●
Water Condenser	●	●	●	●	●	●	●
Liquid Filter	●	●	●	●	●	●	●
Sight Glass	●	●	●	●	●	●	●
Solenoid Valve	●	●	●	●	●	●	●
Economizer assembly	●	●	●	●	●	●	●
HP / LP Switch	●	●	●	●	●	●	●
Oil Protective Switch	●	●	●	●	●	●	●
HP / LP Gauge	●	●	●	●	●	●	●
Accumulator	●	●	●	●	●	●	●
Electric Control for Unit	▲	▲	▲	▲	▲	▲	▲

● Standard Configuration; ▲ Optional, need extra cost;

3.3 Dimension Drawing





4. TECHNICAL DATA

4.1 Series Units With FRASCOLD Semi-hermetic Compressor

4.1.1 Medium temp. units

Model			OUBS12MFY	OUBS15MFY	OUBS20MFY	OUBS25MFY
Power supply			3P / 380V / 50Hz			
Applicable temp.			-5°C ~ 5°C			
Compressor	Model		S12-42Y	S15-52Y	S20-56Y	V25-71Y
	Max. current (A)		22.4	32.4	38.4	43.5
Capacity / Power (kW)	R22	-5°C	26.9 / 8.4	34.6 / 9.8	37.2 / 11.3	44.2 / 14.1
		-10°C	22.5 / 7.7	28.4 / 9.0	30.8 / 10.4	36.7 / 12.9
		-15°C	18.6 / 7.0	22.9 / 8.2	25.7 / 9.6	30.1 / 11.6
	R404A/R507A	-5°C	27.2 / 9.9	33.7 / 11.9	37.0 / 13.3	45.0 / 17.4
		-10°C	22.6 / 9.1	27.9 / 11.0	30.7 / 12.1	37.2 / 16.0
		-15°C	18.5 / 8.2	22.9 / 10.0	25.3 / 11.0	30.5 / 14.5
Water Flow (m3/h)			7.5	9.0	10.0	12.5
Suction line (mm)			Φ35	Φ42	Φ42	Φ54
Liquid line (mm)			Φ16	Φ19	Φ22	Φ22
Water connect (inch)			Rc2	Rc2	Rc2	Rc2-1/2
Size (mm)	A		1397	1397	1397	1647
	B		783	783	783	823
	C		807	807	807	880
Install a×b (mm)			900×350	900×350	900×350	1000×420

Model			OUBS30MFY	OUBS35MFY	OUBS40MFY	OUBS50MFY
Power supply				3P / 380V / 50Hz		
Applicable temp.				-5℃ ~ 5℃		
Compressor	Model		V30-84Y	V35-103Y	Z40-126Y	Z50-154Y
	Max. current (A)		49.2	61.0	71.9	90.4
Capacity / Power (kW)	R22	-5℃	52.3 / 16.9	62.4 / 20.2	77.3 / 25.1	97.1 / 29.8
		-10℃	43.3 / 15.2	52.2 / 18.5	64.4 / 22.8	80.2 / 27.6
		-15℃	35.5 / 13.7	43.1 / 16.6	53.0 / 20.5	65.6 / 25.1
	R404A/R507A	-5℃	52.6 / 20.4	65.5 / 26.5	80.0 / 28.6	98.7 / 35.5
		-10℃	43.7 / 18.5	54.3 / 24.2	66.0 / 26.3	81.0 / 32.4
		-15℃	35.8 / 16.7	44.5 / 21.7	53.8 / 23.8	65.7 / 29.1
Water Flow (m3/h)			14.5	18.5	21.5	26.5
Suction line (mm)			Φ54	Φ54	Φ54	Φ54
Liquid line (mm)			Φ22	Φ22	Φ22	Φ28
Water connect (inch)			Rc2-1/2	Rc2-1/2	Rc2-1/2	Rc2-1/2
Size (mm)	A		1647	1647	1647	1647
	B		823	823	823	823
	C		880	880	880	880
Install a × b (mm)			1000 × 420	1000 × 420	1000 × 420	1000 × 420



Calibration of parameters for inlet temperature of cooling water at 30°C, and condensation temperature is 40°C.



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4. TECHNICAL DATA

4.1 Series Units With FRASCOLD Semi-hermetic Compressor

4.1.2 Low temperature units

1) Refrigerant R404A/R507A

Model			OUBS08LFY	OUBS10LFY	OUBS15LFY/S15	OUBS15LFY/V15
Power Supply			3P / 380V / 50Hz			
Apply Temp			-15°C ~ -30°C			
Compressor Model		Model	S8-42Y	S10-52Y	S15-56Y	V15-71Y
		Max. Current (A)	20.3	24.5	30.7	32.2
Capacity / Power (kW)	Evap.	-20°C	14.0 / 7.5	17.1 / 9.5	19.1 / 10.2	23.4 / 13.3
		-25°C	10.8 / 6.6	13.5 / 8.4	15.0 / 9.0	18.4 / 11.7
		-30°C	8.6 / 5.7	11.0 / 7.2	12.1 / 7.8	14.9 / 10.0
		-35°C	6.4 / 4.8	8.5 / 6.1	9.3 / 6.6	11.5 / 8.4
		-40°C	4.6 / 4.0	6.3 / 5.1	6.8 / 5.6	8.4 / 7.0
Water Flow (m3/h)			3.7	4.5	5.0	6.5
Suction Line (mm)			Φ35	Φ35	Φ35	Φ42
Liquid Line (mm)			Φ16	Φ16	Φ16	Φ19
Water Connect (inch)			Rc1-1/2	Rc1-1/2	Rc1-1/2	Rc2
Size	A (mm)		1139	1139	1139	1397
	B (mm)		649	649	649	783
	C (mm)		742	742	742	880
Install a×b (mm)			800×320	800×320	800×320	900×350

Model			OUBS20LFY	OUBS25LFY	OUBS30LFY	OUBS40LFY
Power Supply			3P / 380V / 50Hz			
Apply Temp			-15°C ~ -30°C			
Compressor Model		Model	V20-84Y	V25-103Y	Z30-126Y	Z40-154Y
		Max. Current (A)	46.2	52.3	55.7	77.9
Capacity / Power (kW)	Evap.	-20°C	27.0 / 15.2	33.6 / 20.0	40.3 / 21.8	51.8 / 28.6
		-25°C	20.9 / 13.4	25.8 / 17.5	30.9 / 19.3	40.9 / 25.2
		-30°C	16.6 / 11.5	20.3 / 14.9	24.4 / 16.6	33.2 / 21.6
		-35°C	12.6 / 9.8	15.1 / 12.7	18.3 / 14.1	25.7 / 18.3
		-40°C	9.2 / 8.1	10.8 / 10.6	13.2 / 11.7	18.9 / 15.3
Water Flow (m3/h)			7.5	9.5	10.5	14.0
Suction Line (mm)			Φ54	Φ54	Φ54	Φ54
Liquid Line (mm)			Φ22	Φ22	Φ22	Φ28
Water Connect (inch)			Rc2	Rc2-1/2	Rc2-1/2	Rc2-1/2
Size	A (mm)		1397	1647	1647	1647
	B (mm)		783	823	823	823
	C (mm)		880	880	939	939
Install a×b (mm)			900×350	1000×420	1000×420	1000×420

Calibration of parameters for inlet temperature of cooling water at 30°C, and condensation temperature is 40°C.



4. TECHNICAL DATA

4.1 Series Units With FRASCOLD Semi-hermetic Compressor

4.1.3 Quick freezing unit with two stage compressor

1) Refrigerant R404A / R507A

Model		OUBS07JFY	OUBS10JFY	OUBS15JFY	OUBS20JFY	OUBS25JFY	OUBS30JFY	
Power Supply		3P / 380V / 50Hz						
Applicable Temp		-25°C ~ -60°C						
Comp.	Model	S7 - 27.19Y	2V10 - 42.29Y	2Z15 - 60.30Y	2Z20 - 72.36Y	2Z25 - 84.42Y	2Z30 - 102.51Y	
	Max. I (A)	18.0	23.0	31.0	37.0	45.0	53.0	
Capacity / Power (kW)	Evap.	-30°C	9.7 / 7.0	14.1 / 10.6	19.4 / 14.1	23.6 / 16.8	27.9 / 19.8	34.8 / 25.0
		-35°C	8.1 / 6.3	11.8 / 9.6	16.2 / 12.8	19.8 / 15.3	23.4 / 17.9	29.0 / 22.5
		-40°C	6.7 / 5.7	9.8 / 8.6	13.5 / 11.5	16.4 / 13.8	19.4 / 16.1	23.9 / 20.0
		-45°C	5.4 / 5.0	8.1 / 7.7	11.0 / 10.2	13.4 / 12.4	15.9 / 14.3	19.5 / 17.7
		-50°C	4.3 / 4.4	6.5 / 6.8	8.9 / 9.0	10.8 / 11.0	12.8 / 12.6	15.7 / 15.5
		-55°C	3.4 / 3.9	5.2 / 5.9	7.1 / 7.9	8.6 / 9.7	10.2 / 11.1	12.5 / 13.5
		-60°C	2.6 / 3.3	4.1 / 5.2	5.6 / 6.8	6.8 / 8.5	8.0 / 9.6	9.7 / 11.6
-65°C		2.0 / 2.8	3.1 / 4.5	4.2 / 5.9	5.2 / 7.4	6.1 / 8.2	7.4 / 10.0	
Water Flow (m3/h)		3.0	4.5	6.0	7.0	8.5	10.5	
Suction line (mm)		φ35	φ35	φ42	φ42	φ42	φ42	
Liquid line (mm)		φ16	φ16	φ22	φ22	φ22	φ22	
Water connect (inch)		Rc1-1/2	Rc1-1/2	Rc2	Rc2	Rc2-1/2	Rc2-1/2	
Size	A (mm)	1200	1200	1397	1397	1647	1647	
	B (mm)	780	780	850	850	850	980	
	C (mm)	900	940	980	980	980	980	
Install a×b (mm)		800×320	800×320	900×350	900×350	1000×420	1000×420	

Calibration of parameters for inlet temperature of cooling water at 30°C, and condensation temperature is 40°C.

4.2 Configuration Table of Units

4.2.1 Medium temp. units

Parts	OUBSF Model of Unit							
	-12M	-15M	-20M	-25M	-30M	-35M	-40M	-50M
Compressor	●	●	●	●	●	●	●	●
Oil Heater	●	●	●	●	●	●	●	●
Discharge Vibration Damper	●	●	●	●	●	●	●	●
Oil Separator	●	●	●	●	●	●	●	●
Water Condenser	●	●	●	●	●	●	●	●
Liquid Filter	●	●	●	●	●	●	●	●
Sight Glass	●	●	●	●	●	●	●	●
Solenoid Valve	●	●	●	●	●	●	●	●
HP/LP Switch	●	●	●	●	●	●	●	●
Oil Protective Switch	▲	▲	▲	●	●	●	●	●
HP/LP Gauge	●	●	●	●	●	●	●	●
Accumulator	▲	▲	▲	▲	▲	▲	▲	▲
Electric Control for Unit	▲	▲	▲	▲	▲	▲	▲	▲

● Standard Configuration; ▲ Optional, need extra cost;



4.2 Configuration Table of Units

4.2.2 Low temp. units

Parts	OUBS-F Model of Unit							
	-08L	-10L	-15L/S15	-15L/V15	-20L	-25L	-30L	-40L
Compressor	●	●	●	●	●	●	●	●
Oil Heater	●	●	●	●	●	●	●	●
Discharge Vibration Damper	●	●	●	●	●	●	●	●
Oil Separator	●	●	●	●	●	●	●	●
Water Condenser	●	●	●	●	●	●	●	●
Liquid Filter	●	●	●	●	●	●	●	●
Sight Glass	●	●	●	●	●	●	●	●
Solenoid Valve	●	●	●	●	●	●	●	●
HP/LP Switch	●	●	●	●	●	●	●	●
Oil Protective Switch	▲	▲	▲	●	●	●	●	●
HP&LP Gauge	●	●	●	●	●	●	●	●
Accumulator	▲	▲	▲	▲	▲	▲	▲	▲
Electric Control for Unit	▲	▲	▲	▲	▲	▲	▲	▲

● Standard Configuration; ▲ Optional, needs extra cost;

4.2.3 Quick freezing unit with two stage compressor

Parts	OUBS-F Model of Unit					
	-07J	-10J	-15J	-20J	-25J	-30J
Two stage compressor	●	●	●	●	●	●
Oil Heater	●	●	●	●	●	●
Discharge Vibration Damper	●	●	●	●	●	●
Oil Separator	●	●	●	●	●	●
Water Condenser	●	●	●	●	●	●
Liquid Filter	●	●	●	●	●	●
Sight Glass	●	●	●	●	●	●
Solenoid Valve	●	●	●	●	●	●
Economizer assembly	●	●	●	●	●	●
HP/LP Switch	●	●	●	●	●	●
Oil Protective Switch	●	●	●	●	●	●
HP&LP Gauge	●	●	●	●	●	●
Accumulator	●	●	●	●	●	●
Electric Control for Unit	▲	▲	▲	▲	▲	▲

● Standard Configuration; ▲ Optional, needs extra cost;

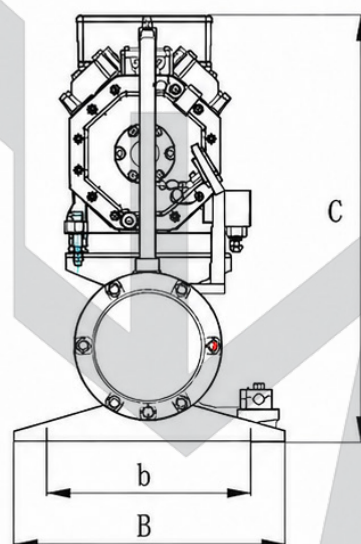
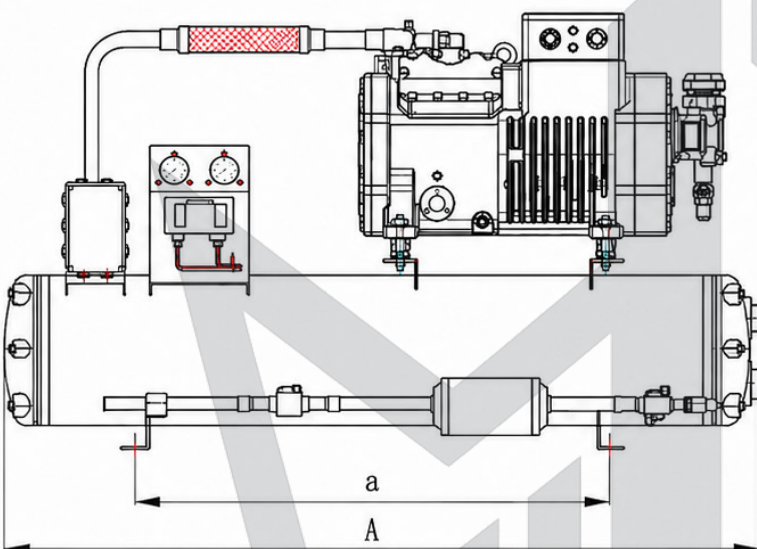
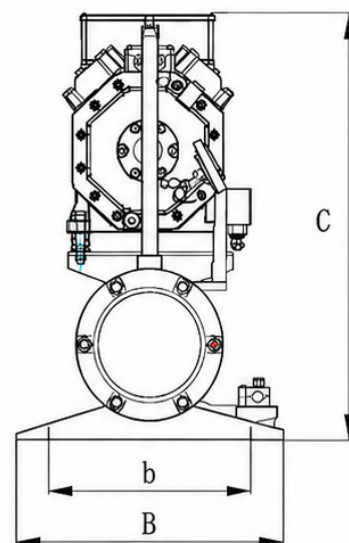
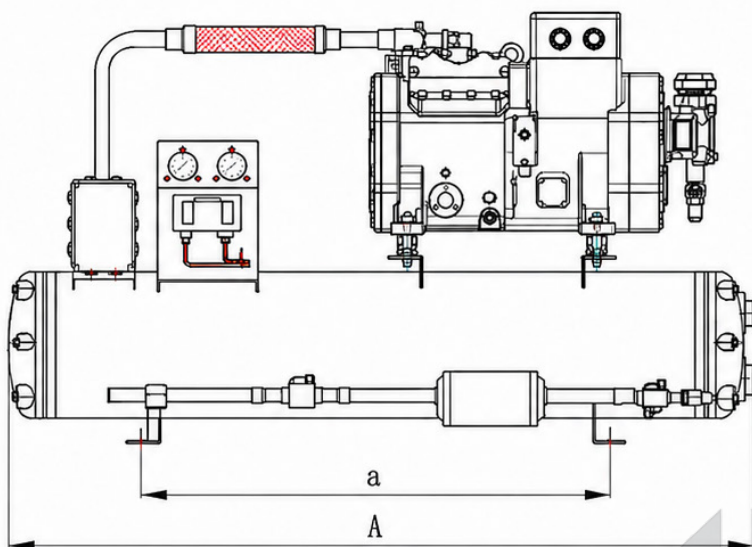


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4.3 DIMENSION DRAWING



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OUBS SERIES