



MODULAR WATER-COOLED SCROLL CHILLER

The Obair Modular water-cooled scroll chiller is a central air conditioning equipment that utilizes water as a cooling medium and can provide a cold source for air handling units or other equipment requiring process cooling.



The related products of Oubo have obtained the above certification, and the specific product certification is detailed in the relevant product certification certificate

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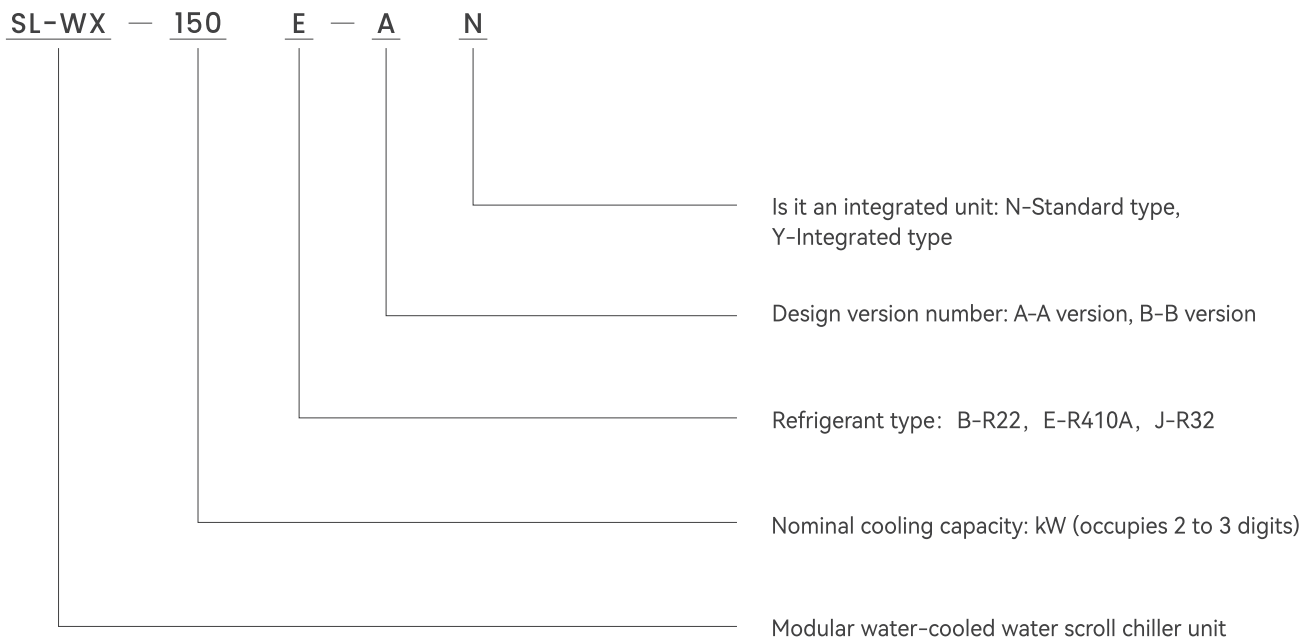
» Product Features

1. Eco-friendly Refrigerant: The unit employs the environmentally-friendly refrigerant R410A, as it contains no chlorine that depletes the ozone layer, to achieve a zero Ozone Depletion Potential (ODP).
2. High-quality Scroll Compressors: It is equipped with hermetic scroll compressors from a reputable brand, offering stable operation, high efficiency, and low noise levels, all with no maintenance requirements.
3. Modular Design: The unit's modular structure is characterized by compact, lightweight individual modules, simplifying transport, hoisting, and installation processes.
4. Advanced Microcomputer Control: The unit employees sophisticated microcomputer control technology, featuring a user-friendly interface and high-level automation. It enables one-button start-stop program management of the unit, including control functions for starting and stopping the cooling tower, cooling water pump, and chilled water pump.
5. Flexible Combination of Modules: Modules of varying cooling capacities can be freely combined, allowing the unit to flexibly meet diverse cooling requirements.
6. Balanced and Reliable Operation: The modules are designed to operate evenly over time to extend the unit's service life. Each module can act as a backup for others, enhancing the overall safety and reliability of the system.

Application Scenarios:

Extensively applied in guesthouses, hotels, hospitals, cinemas, shopping malls, entertainment and leisure centers, factories, and other comfort and process-related scenarios.

» Model Description



» Technical Parameters

Basic Module Cell Model SL-WX-***E-AN				70	110	150	200	250	300
Performance Parameters	Nominal Cooling Capacity		kW	75	115	155	205	250	305
	Cooling Input Power		kW	14.6	22.5	30.2	40.6	49.0	60.2
	EER		kW/kW	5.14	5.11	5.13	5.05	5.10	5.07
	IPLV		kW/kW	6.12	6.12	6.12	6.12	6.23	6.23
	Chilled Water Flow Rate		m³/h	12.9	19.8	26.7	35.3	43.0	52.5
	Cooling water Flow Rate		m³/h	16.1	24.7	33.3	44.1	53.8	65.6
	Chilled Water Assistance		kPa	36	38	38	42	42	46
	Cooling Water Pressure Drop		kPa	34	37	38	36	36	40
Compressor	Type			Hermetic screw					
	Number			2	2	2	2	3	3
Condenser	Type			Shell- and -Tube Condenser					
	Piping Method			Internal Threaded (Rc) Piping					
	Piping Diameter	inch		2"	2-1/2"	3"	4"	4"	4"
Evaporator	Type			Shell- and -Tube Condenser					
	Piping Method			Internal Threaded (Rc) Piping					
	Piping Diameter	inch		2"	2-1/2"	3"	4"	4"	4"
Refrigerator	Type			R410A					
Other Parameters	Method of Throttling			Electric Expansion Valve					
	Power Supply			380V/3N/50Hz					
	Outline Dimensions	L (A)	mm	1950	1950	2100	2220	2500	2500
		W (B)	mm	650	650	700	800	800	800
		H (C)	mm	1600	1600	1600	1700	1700	1700
	Unit Weight	Unit Weight	kg	660	840	950	1060	1140	1230
		Operating Weight	kg	720	910	1030	1160	1240	1340

- Note:
1. Nominal Cooling Conditions: Entering chilled-water temperature 12°C, leaving cooling-water temperature 7°C, entering cooling water temperature 30°C, leaving cooling-water temperature 35°C;
2. Power Supply: 3P-380V-50Hz, allowable voltage difference between phases ±2%;
3. If the models listed above do not fulfill your specific needs, we offer tailored design and model selection services to create a solution that aligns with your requirements;
4. Specifications are subject to change due to product improvements, without prior notice.