

Exinda Flex - Unique Modular or Stand Alone System Water-Cooled Scroll Heat Pump Chiller

Submittal Data



Water-Cooled Scroll Heat Pump Chiller System

EXINDA FLEX is a scalable heat pump plant system composed of multiple independent heat pump modules.

Standardized hydraulic interfaces and integrated master control enable coordinated multi-unit operation while preserving the simplicity of standalone installation and maintenance.

The EXINDA FLEX concept offers capacity scalability, system redundancy, and phased project implementation, providing a practical and future-ready solution for commercial hydronic heating and cooling applications.



Key Features

- **R515B refrigerant:** Eco-friendly with low GWP, high efficiency, non-flammable, ideal for medium-temperature commercial cooling and high-temperature heat pumps system.
- **Modular design:** Independent refrigeration and hydraulic circuits allow flexible assembly, simplifying on-site installation and maintenance.
- **Scroll compressors:** Reliable, quiet, compact, and easy to maintain
- **Multi-unit connection** for scalable system capacity, supports up to 4×9 units.
- **Stackable design** for space-efficient plant rooms
- **Compact footprint** for transport through standard doors and elevators
- Centralized controller with **BMS integration (BACnet / Modbus)**

Performance	Cooling Mode (AHRI standard 550/5901-P: User-side heat exchanger water 54.0°F/44.0°F; Source-side water 85.0°F/94.3°F)		
	Cooling Capacity	Ton	30
	Input Power	kW	22.3
	EER	BTU/(Wh)	16.3
	IPLV	BTU/(Wh)	21.16
	Water flow rate system side	gpm	72.5
	Pressure drop system side	ftH2O	7.03
	Water flow rate source side	gpm	94.24
	Pressure drop source side	ftH2O	11.71
	Heating mode (AHRI standard 550/5901-P: User-side heat exchanger water 95.0°F/105.0°F; Source-side water 54.0°F/44.0°F)		
	Heating Capacity	Ton	36
	Input Power	kW	25.3
	COP	kW/kW	4.98
	Water flow rate system side	gpm	85.2
	Pressure drop system side	ftH2O	9.37
	Water flow rate source side	gpm	68.05
Pressure drop source side	ftH2O	6.02	

Specification Parameters

Refrigerant	Type		R515B
	Refrigerant Circuit	No.	2
	Refrigerant Charge/Circuit	lbs	29.1
Compressor	Type		Fix Speed scroll
	Quantity	No.	2
Source side heat exchanger	Type	type	Brazed plate
	Number	no.	1
	Connections (in/out)	Type	Grooved joints
	Sizes (in/out)	∅	6"
System side heat exchanger	Type	type	Brazed plate
	Number	no.	1
	Connections (in/out)	Type	Grooved joints
	Sizes (in/out)	∅	6"
Dimensions and Weight	L× W × H	in.	66.93 × 48.9 × 52.2
	Net Weight/Shipping weight	lbs	2380 / 2546
Electrical Features	Voltage	V/ph/hz	460/3/60
	MCC	Amps	79A×2
	RLA	Amps	56.4A×2
Nominal Short-Circuit Current(SCCR)	SCCR	KA	65

Dimensional Drawing

