

# 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

- **R454B refrigerant:** Low carbon footprint, high efficiency, non-toxic.
- **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)**

<b>Performance</b>	<b>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)</b>		
	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
	<b>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)</b>		
	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

<b>Refrigerant</b>	Type		R454B
	Refrigerant Circuit	No.	2
	Refrigerant Charge/Circuit	lbs	25.8
<b>Compressor</b>	Type		Fix Speed scroll
	Quantity	No.	2
<b>Source side heat exchanger</b>	Type	type	Brazed plate
	Number	no.	1
	Connections (in/out)	Type	Grooved joints
	Sizes (in/out)	∅	6"
<b>System side heat exchanger</b>	Type	type	Brazed plate
	Number	no.	1
	Connections (in/out)	Type	Grooved joints
	Sizes (in/out)	∅	6"
<b>Dimensions and Weight</b>	L× W × H	in.	66.93 × 48.9 × 52.2
	Net Weight/Shipping weight	lbs	1984 / 2315
<b>Electrical Features</b>	Voltage	V/ph/hz	460/3/60
	MCC	Amps	77A×2
	RLA	Amps	66.7A×2
<b>Nominal Short-Circuit Current(SCCR)</b>	SCCR	KA	65

# Dimensional Drawing

