



# WATER SOURCE HEAT PUMPS SINGLE CAPACITY



LX™ SERIES 50HZ

## WATER SOURCE HEAT PUMPS

COMPACT YB MODEL |  
14.7 EER & 4.9 COP



 **YORK®**

York water source heat pumps are so versatile they can heat and cool your home in one system. As part of a traditional water loop application it's one of the most efficient methods available to homeowners and can save on your utility bills. And replacing an old legacy system is now easier than ever with our LX Compact YB 50hz model since it boasts the high efficiency of a water source system with the small footprint you need. Contact your local York water source contractor to learn more.



### Efficiency

Water source heat pumps are much more efficient than traditional heating and cooling systems. The York™ LX™ Compact YB 50hz is rated up to 14.7 EER and 4.9 COP, which makes it one of the most efficient units on the market. Efficiency translates into savings.



### Environmentally responsible

All York water source units utilize environmentally friendly refrigerant. Use of these systems also reduces the threats of acid rain, air pollution, the greenhouse effect, and global warming.



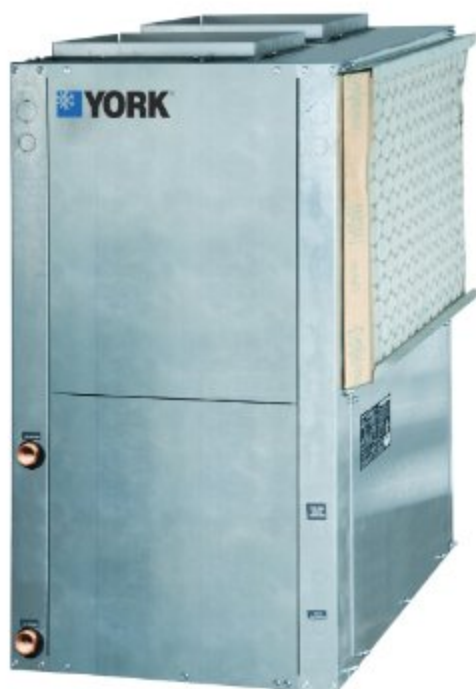
### Safe

No combustion or flames are used to operate a water source heat pump, making it a safe choice for your home and family. Our systems merely move heat rather than burning natural gas, propane, or oil.



### Respected Name

There's a reason people trust us with the big jobs. We've been doing this a long time. Over 135 years, in fact. And we're constantly leading the industry in our design and our technology. No matter the scale, chances are we've developed an efficient, durable and effective solution for it.



up to 14.7 EER | 4.9 COP

### Features of the LX™ Series

A value product line, the LX Compact YB Series is engineered to provide a small cabinet footprint while maintaining high efficiency as well as value-added features.

**High Efficiency Compressor:**  
A high efficiency compressor is featured for long-lasting durability and quiet operation.

**Aluminum Air Coil:**  
Aluminum-copperair coils are standard in the Compact YB providing durability and extended system life.

**Cabinet:** Units come with a durable galvanized steel cabinet (pictured) or with an optional professional grade powder-coat finish for long-lasting beauty and protection. The unit is fully insulated with cleanable foil-backed insulation that ensures quiet operation.

**Aurora Interface Diagnostic Port:** Technicians can diagnose and service the system by utilizing the internal communication port and interface tool.

**Enhanced Humidity Control:**  
Enjoy the ultimate in comfort by selecting Speed blower motor and thermostat with humidity control.

**Controls:** Sophisticated Aurora controls provide easy-to-use but extensive troubleshooting capabilities as well as advanced two-way communication between components.



**Blower Motor:**  
fan motor supplies quiet operation and control over humidity.

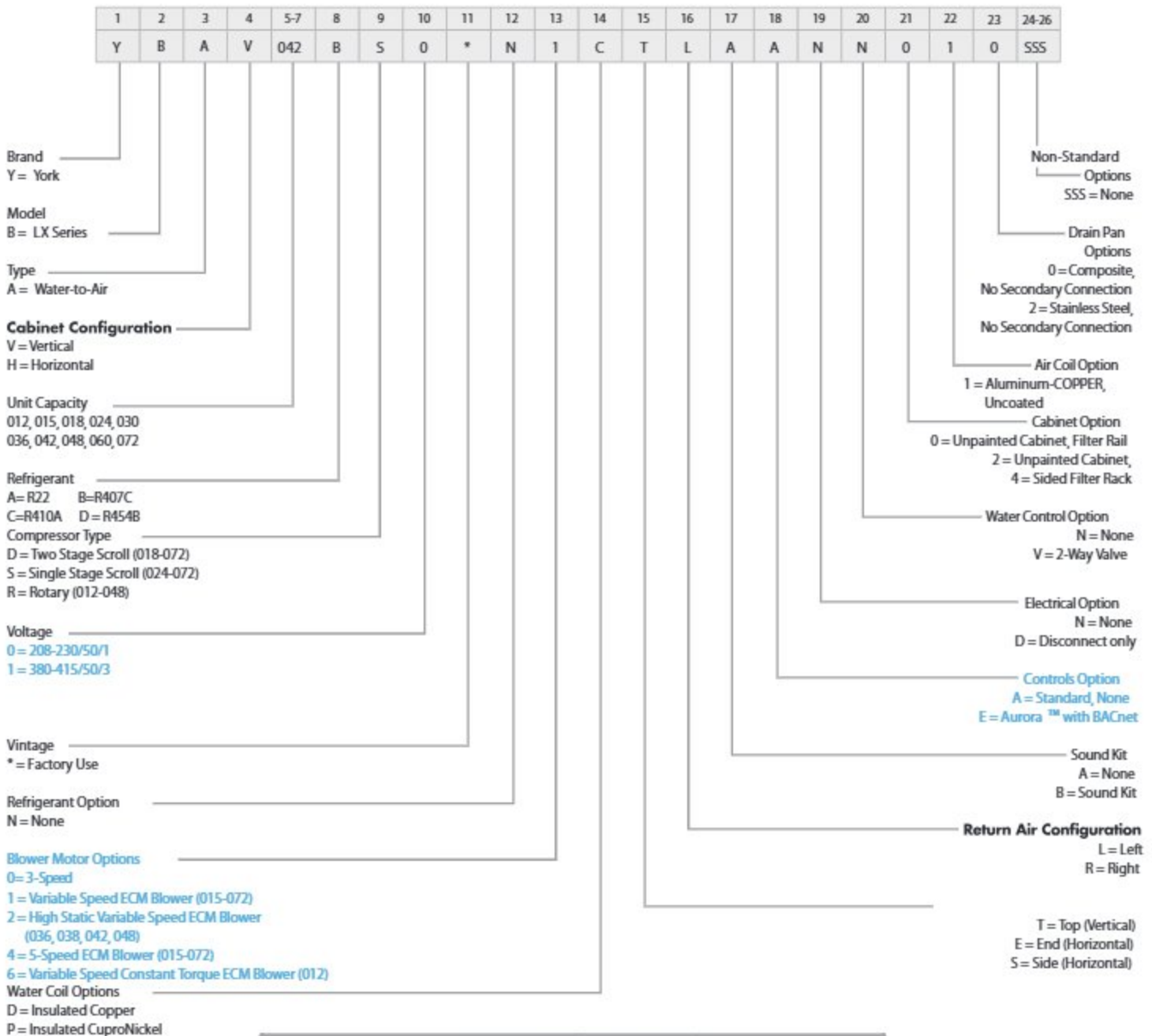


# Affinity Compact LX™ Series Configuration Options

Maximum of 6 units per size and voltage with a total of 20 units per order  
(call customer service if a higher quantity is needed)

- Vertical or Horizontal cabinets
- Left or Right return air
- Discharge Air: top (vertical), end or side discharge (horizontal)
- Sizes: 3-Speed: 012, 015, 018, 024, 030, 036, 042, 048, 060, 070  
Dual Capacity: 026, 038, 049, 064, 072
- Voltages: 208-230/50/1, 380-415/50/3
- Aluminum - copper Air Coil
- 4-Sided Filter Rack
- Optional Sound Kit
- Optional Electrical Disconnect
- Optional Stainless Steel Condensate Drain Pan
- Optional 2-way Internal Water Valve

## Nomenclature



10°

**Heating Mode**

When temperatures drop, a geothermal heat pump taps into the heat stored underground and concentrates it to keep your home warm. It doesn't use combustion nor emit any on-site gasses like carbon monoxide or carbon dioxide. Moving heat instead of creating it makes geothermal the most efficient heating solution available.

The ground absorbs 46% of the sun's radiation.

96°

**Cooling Mode**

When temperatures rise, a geothermal heat pump pulls unwanted heat from your home and deposits it into the cooler earth (or uses it to create hot water). Its performance isn't affected by normal outdoor temperature swings and the result is ultra-efficient cooling and dehumidification.

55°-70°

The average year-round ground temperature only three to four feet beneath the frost line.

AHRI/ASHRAE/ISO 13256-1  
English (IP) Units

Model	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
			Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling EWT 77°F		Heating EWT 32°F	
	gpm	cfm	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
006	2.0	250	7,100	13.4	8,000	4.3	8,400	21.3	6,800	3.8	7,400	15.5	5,400	3.2
009	3.0	350	8,100	12.2	11,400	4.6	9,900	19.2	9,600	4.0	8,900	14.5	7,600	3.4
012	3.0	400	10,200	12.2	15,200	4.4	12,200	18.2	12,600	3.9	11,200	14.2	10,200	3.5
015	4.0	500	13,200	12.5	15,400	4.5	16,000	20.0	13,000	4.0	14,000	15.3	10,400	3.2
018	5.0	600	17,300	13.4	19,000	4.3	19,800	20.5	16,000	3.7	18,000	15.4	12,600	3.2
024	6.0	800	22,900	13.0	26,000	4.5	27,000	19.8	22,600	4.0	24,500	14.8	17,000	3.3
030	8.0	1000	28,400	13.8	34,000	4.5	33,500	21.0	28,000	4.0	30,000	16.0	21,000	3.3
036	9.0	1150	34,500	14.0	43,800	4.7	40,000	22.0	35,600	4.2	36,000	16.3	26,000	3.3
041	11.0	1100	37,600	13.5	48,000	4.3	44,500	20.4	38,500	3.8	40,000	15.0	28,500	3.2
042	11.0	1400	39,200	13.2	51,000	4.7	47,000	20.4	41,400	4.3	42,000	15.2	30,500	3.3
048	12.0	1600	47,200	13.0	59,000	4.6	57,000	19.8	48,000	4.0	49,500	15.0	36,500	3.3
060	15.0	1900	57,000	13.5	66,000	4.3	67,000	21.0	55,000	4.0	58,000	15.2	43,000	3.3
070	18.0	2100	66,000	14.0	80,000	4.5	75,000	20.5	64,000	4.0	68,000	15.6	49,000	3.3

AHRI Data

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature  
Heating capacities based upon 68°F DB, 59°F WB entering air temperature  
All ratings based upon 208V operation

8/9/18



All LX Compact Series product is safety listed under UL 1995 thru ETL and performance listed with AHRI in accordance with standard 13256-1.



BCV11-000/Y

# Ground-Loop Heat Pump Applications

Figure 1: Typical Ground-Loop Application with Central Pumping

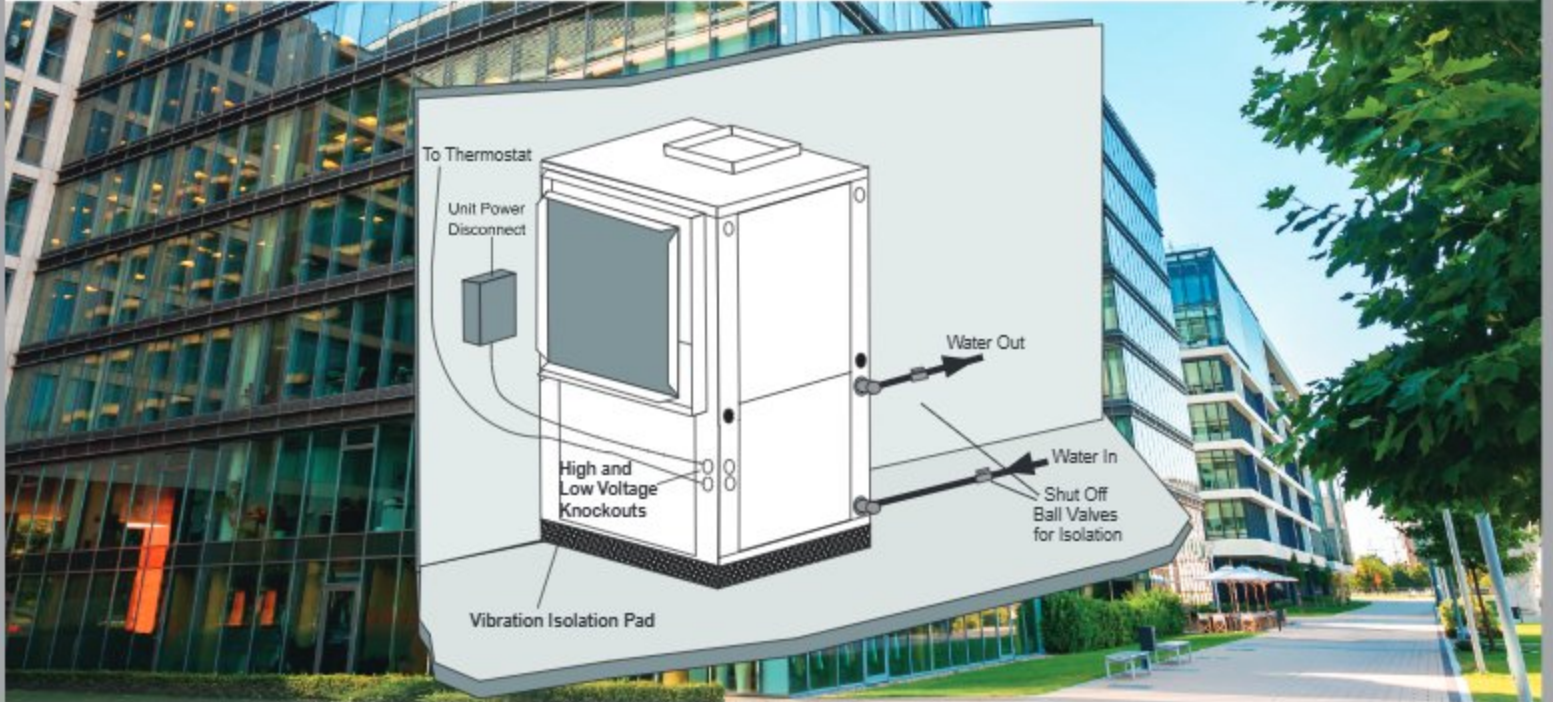
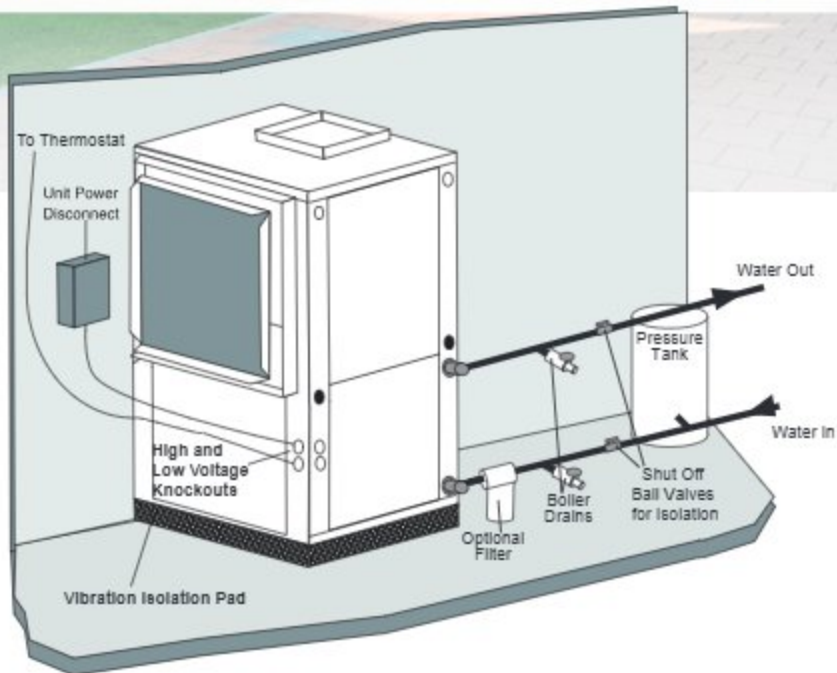


Figure 2: Ground Water Heat Pump Applications Typical Open Loop/Well



## Make a smart choice: York

Choosing the right contractor is the first step in selecting the best system for your home. Your York® Contractor is trained to give you professional home comfort services, including:



- An evaluation of factors such as your home's size, age, number of rooms, climate characteristics and utility costs
- A system recommendation that fits your family's comfort needs, your home, your lifestyle and your budget
- The assurance of proper installation and customer care, including warranties and maintenance options

## Stay comfortable for years to come.

York® is proud to offer the YorkCare™ Comfort Plan. It's designed to maintain your system as well as your peace of mind. With YorkCare™ you get total protection that ensures your unit is effective and efficient for years to come.

What's more, your York® Contractor offers maintenance agreements that provide upkeep while maximizing the warranty provisions. Ask about the YorkCare™ Comfort Plan. A little extra coverage is always a comforting idea.

## Long story short — our history.

OVER  
**135**  
YEARS  
OF DESIGN AND  
INNOVATION

You've probably enjoyed York® engineering for years without even knowing it. We have, after all, designed and implemented heating and cooling systems in some of the world's most famous structures, including the U.S. Capitol building, the Sydney Opera House, the entire U.S. Navy nuclear submarine fleet, and even venues such as your local mall and corner bank.

There's a reason people trust us with the big jobs. We've been doing this a long time. Over 135 years, in fact. In that time, we developed the first successful room air conditioner and cooled the world's first theater, hotel and office building. We're constantly leading the industry in our design and our technology. And our commitment has earned our products the



Good Housekeeping Seal of Approval. No matter what the scale, chances are we've developed an efficient, durable and effective solution for it.



Homeowners who install an ENERGY STAR® rated geothermal system in the U.S. are eligible for a 30% federal tax credit. The 30% credit will last through 2032 and can be claimed on equipment and installation costs with no upper limit. The credit is scheduled to decrease to 26% in 2033 then to 22% in 2034, so act now for the most savings!



The York brand of Johnson Controls, Inc. ©2023 Johnson Controls, Inc. ©2023

5005 York Drive, Norman, OK 73069

Subject to change without notice. All rights reserved.

شركة جودمانير  
جودمانير

www.goodmanir.com



RESIDENTIAL  
HVAC  
CERTIFICATION

BCV11-0007Y