ELECTRO INDUSTRIES

North America's Leader in ELECTRIC HEATING TECHNOLOGY

THE FUTURE OF HEATING IS

NORAIRE

AIR TO WATER HEAT PUMP SYSTEM

COOLING WITH CHILLED WATER

C ETL US LISTED Intertek

H

+

NORAIRE HEAT & COOL + CONDENSING UNIT
(sold separately)

NORAIRE®
Air To Water Heat Pump System

At 200-300% efficient, the NorAire Air Source Heat Pump Boiler is one of the most economical ways to supply heated water to your radiant floor heat system and chilled water to a forced air system with one unit.

Call Today
800.922.4138
FAX: 763.295.4434

2150 West River St.
Monticello, MN 55362
sales@electromn.com

www.electromn.com

APPLICATIONS

Basements | Slab on Grade | Garages | Warehouses

Air source heat pumps have the ability to take advantage of free outside energy in the air, and bring it inside to heat and cool your home. Using the refrigerant vapor cycle, the NorAire system transfers the outside energy to water, which is efficiently distributed throughout your radiant floor heating systems.

The NorAire utilizes the "split refrigerant" process. The free energy from the outside air is transferred into refrigerant at the outdoor condenser. Using the refrigerant vapor cycle, the refrigerant becomes a high pressure gas which is easily moved to the inside of your home. A coaxial heat exchanger within the boiler cabinet continues the process by receiving the high pressure gas and exchanging its energy with the water circulating throughout your hydronic system.

With very little energy "wasted" in the process of capturing and transferring the energy to your floors, the NorAire system will yield an average annual operating efficiency of over 200%. This is over twice the efficiency of any fossil fuel boiler system. Achieve efficiencies close to a geothermal system without the expensive geothermal installation costs. This level of efficiency, combined with a competitive electric rate, gives you a clean, safe, and economical choice for your home's heating system.

Energy rebates may apply - please contact your utitlity provider for details.

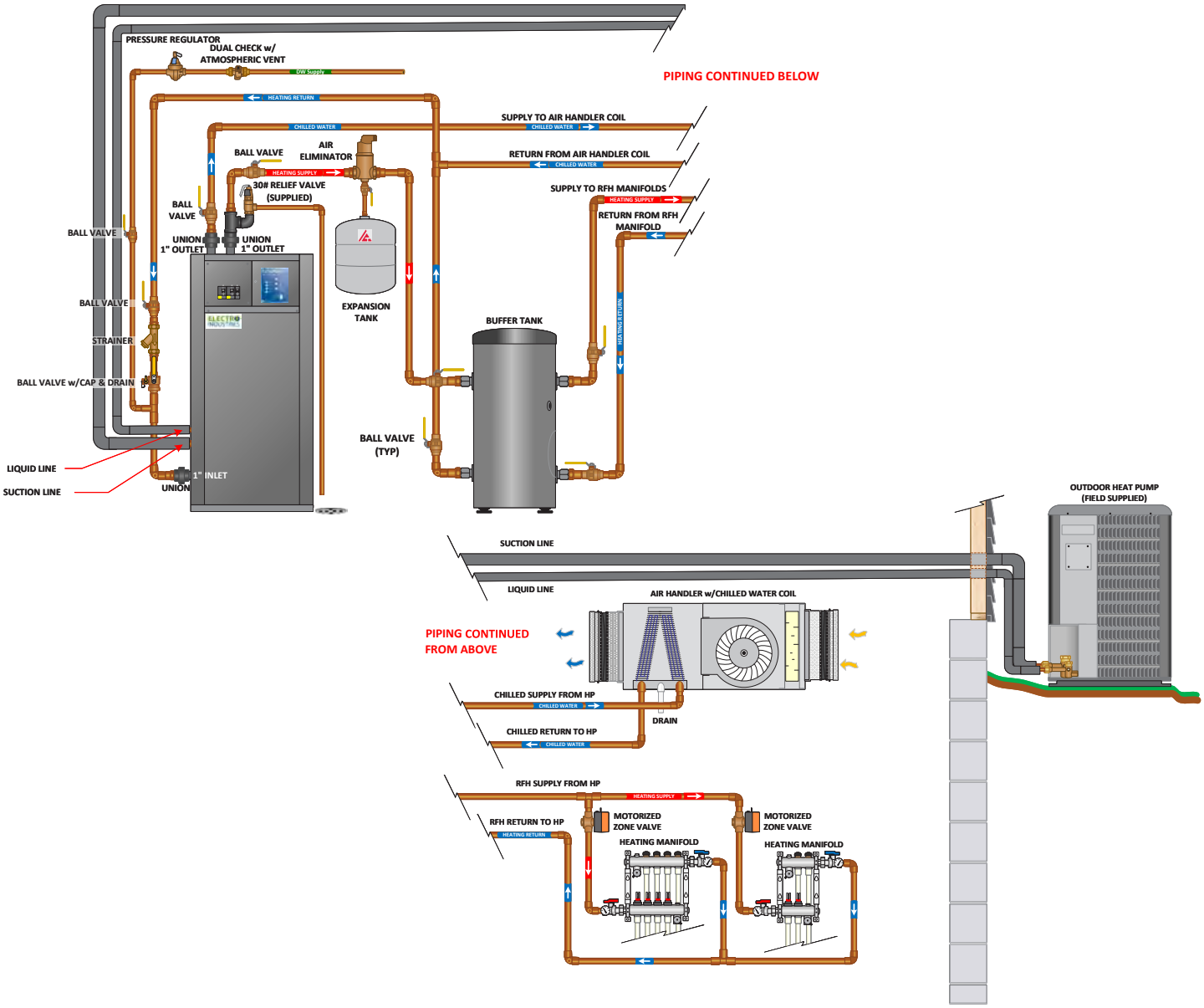
FEATURES

- Easy installation for the trained professional
- WarmFlo® temperature control, monitors and anticipates the BTU needs of your home
- Optional built-in electric boiler backup for really cold days
- Compatible with most major heat pump brands
- Coaxial heat exchanger for highly efficient heat transfer from refrigerant to water

APPLICATIONS

- Primary heat source for your home, garage, or workshop with fan coil cooling
- Warehouses
- Patio homes
- Net Zero and Passive homes

PIPING DIAGRAM



SPECIFICATIONS

Model	Volts/Phase	Tonnage	Auxiliary Electro Boiler kW	Btu/h Output	Total Amps
NC-FE-036-1-CPXX1-XX	208-240/1	3-ton	None	34,000	3
NC-FE-036-1-CPXX1-10	208-240/1	3-ton	10	34,000	45
NC-FE-048-1-CPXX1-XX	208-240/1	4-ton	None	48,000	4
NC-FE-048-1-CPXX1-10	208-240/1	4-ton	10	48,000	46
NC-FE-048-1-CPXX1-15	208-240/1	4-ton	15	48,000	67
NC-FE-060-1-CPXX1-XX	208-240/1	5-ton	None	57,000	5
NC-FE-060-1-CPXX1-15	208-240/1	5-ton	15	57,000	68
NC-FE-060-1-CPXX1-20	208-240/1	5-ton	20	57,000	89

*Request document NL207 for complete specifications.

ELECTRO INDUSTRIES

NORAIRE

AIR TO WATER HEAT PUMP SYSTEM IS THE FUTURE OF HEATING AND COOLING

To locate a contractor or distributor in your area, visit our website and click on Dealer Finder.

ELECTRO INDUSTRIES

Call Today
800.922.4138
FAX: 763.295.4434

2150 West River St.
Monticello, MN 55362
sales@electromn.com

www.electromn.com

Rev 05/07/2024 - NL202