

NORAIRE[®]

Heat Pump Boiler

AIR TO WATER

Combine an Electro-Boiler[®] with the efficiency of an Air Source Heat Pump for a **200% EFFICIENT** radiant floor heating system!

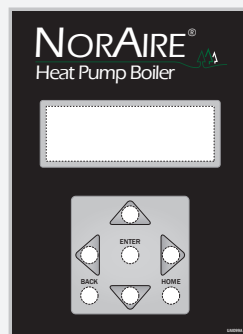


INDOOR UNIT (IDU)

- WALL-HUNG, EASY ACCESS, 2 FRONT PANELS
- STANDARD ELECTRO-BOILER OPTIONAL
- COAX CONDENSER COIL
- CABINET TOP REFRIGERANT LINE SET STUBS AND WATER PIPE CONNECTION
- MADE IN USA

SYSTEM CONTROLLER

- CONTROL AND MONITOR FOR HEAT PUMP
- DIGITAL TEMPERATURE SENSORS
- SELECT SYSTEM OPERATING MODE: HP ONLY, HP WITH BOILER BOOST, OR BOILER ONLY
- MONITORS AND DISPLAYS ALL FUNCTIONS OF THE SYSTEM
- 2-ZONE INPUT



OUTDOOR UNIT (ODU) → **SOLD SEPARATELY**

- STANDARD, R-410A, HIGH EFFICIENCY
- INSTALLER CAN USE THEIR OWN BRAND
- COMPATIBLE WITH MOST MAJOR BRANDS, SINGLE AND TWO-STAGE HEAT PUMP



Specification Table

	Units	3-Ton	4-Ton	5-Ton
Heating capacity, EB ④⑤⑥⑦	Btu/h	34,000 (10 kW)	51,000 (15 kW)	68,000 (20 kW)
Heating capacity, HP ①②③	Btu/h	33,300	44,400	59,100
Heating capacity, HP @ 47° F	Btu/h	27,300	40,400	49,700
Power voltage	Volts/60Hz	240, 1 phase	240, 1 phase	240, 1 phase
IDU source breakers	Amps	(1) 60A	(1) 60A & (1) 30A	(2) 60A
IDU EL boiler total amps	Amps	42	63	84
IDU non-EL boiler	Amps	1	2	2
ODU total amps	Amps	15.1	21.3	27.7
ODU minimum circuit ampacity	Amps	18.6	26.3	34.3
ODU delay fuse max 2P	Amps	30	45	60
ODU compressor RLA data	Amps	14.1	19.8	26.2
ODU compressor LRA data	Amps	77	109	134
ODU noise level	dB	74	75	75
IDU/ODU width	Inches	26.5/31	26.5/31	26.5/31
IDU/ODU height	Inches	30/45	30/45	30/45
IDU/ODU depth	Inches	11/32	11/32	11/32
Line sets	Inches	3/8 and 7/8	3/8 and 7/8	3/8 and 7/8
Max line set	Feet	75	75	75 (1-1/8", 50 and up)
Max vertical separation	Feet	25	25	25
R-410A ODU factory charge	Ounces	See nameplate	See nameplate	See nameplate
Water connection	NPT, female	1"	1"	1"
Maximum water flow	GPM per minute	7	10	10
Nominal water flow ②	GPM per minute	6	8	8
Minimum water flow	GPM per minute	3	3.5	3.5
Internal pressure drop	Ft of head, Rated GPM	2.3	2.4	3
IDU shipping weight	Pounds	162	162	162
ODU shipping weight	Pounds	158	193	201

① HEATING CAPACITY AT 60° F ODU OUTSIDE AIR ② LOAD CONDITIONS, HYDRONIC RETURN 90° F AND NOMINAL GPM
 ③ TYPICAL RETURN TO SUPPLY TEMP RISE SHOULD BE 10° TO 15° F ④ ELECTRO-BOILER ENTERING TEMP IS HP COIL OUTPUT, 90° TO 110° F
 ⑤ TYPICAL ELECTRO-BOILER TEMP RISE SHOULD BE 10° TO 20° F ⑥ ELECTRO-BOILER IS DISABLED ABOVE HPBP AND MODULATES BETWEEN HPBP AND SWOVER (BOOST)
 ⑦ ELECTRO-BOILER SIZE DETERMINES BTU/H RATING AT COOLEST TEMP ⑧ DATA MAY BE UPDATED WITHOUT NOTICE

Product Models, Indoor Unit Only

EB-HPH-3-00	3-Ton Hydronic, 34,000 Btu/h, No AUX Electro-Boiler	EB-HPH-4-15	4-Ton Hydronic, 48,000 Btu/h, 15 kW AUX Electro-Boiler
EB-HPH-3-10	3-Ton Hydronic, 34,000 Btu/h, 10 kW AUX Electro-Boiler	EB-HPH-4-20	4-Ton Hydronic, 48,000 Btu/h, 20 kW AUX Electro-Boiler
EB-HPH-3-15	3-Ton Hydronic, 34,000 Btu/h, 15 kW AUX Electro-Boiler	EB-HPH-5-00	5-Ton Hydronic, 57,000 Btu/h, No AUX Electro-Boiler
EB-HPH-3-20	3-Ton Hydronic, 34,000 Btu/h, 20 kW AUX Electro-Boiler	EB-HPH-5-10	5-Ton Hydronic, 57,000 Btu/h, 10 kW AUX Electro-Boiler
EB-HPH-4-00	4-Ton Hydronic, 48,000 Btu/h, No AUX Electro-Boiler	EB-HPH-5-15	5-Ton Hydronic, 57,000 Btu/h, 15 kW AUX Electro-Boiler
EB-HPH-4-10	4-Ton Hydronic, 48,000 Btu/h, 10 kW AUX Electro-Boiler	EB-HPH-5-20	5-Ton Hydronic, 57,000 Btu/h, 20 kW AUX Electro-Boiler

Optional - Matching Outdoor Unit (ODU)

6400-030	3-Ton Outdoor Unit, 34,500 Btu/h, 14 SEER Nordyne
6400-040	4-Ton Outdoor Unit, 48,000 Btu/h, 14 SEER Nordyne
6400-050	5-Ton Outdoor Unit, 57,000 Btu/h, 14 SEER Nordyne

PRICE AND SPECIFICATION SUBJECT TO CHANGE
 WITHOUT NOTICE, ALL RIGHTS RESERVED.

