



A New Era in Commercial Water Heating

# EMERGE<sup>TM</sup>X

AIR SOURCE HEAT PUMP WATER HEATER



HIGH COEFFICIENT OF  
PERFORMANCE (COP)

OPERATES IN BELOW FREEZING  
AMBIENT CONDITIONS

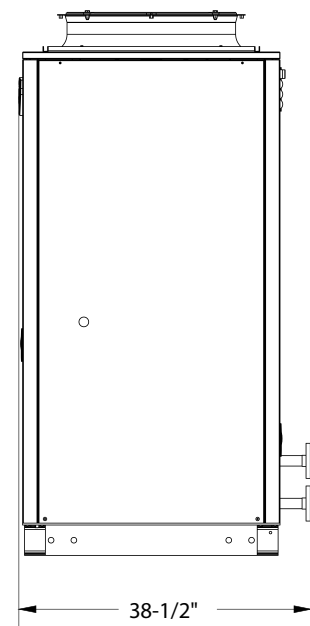
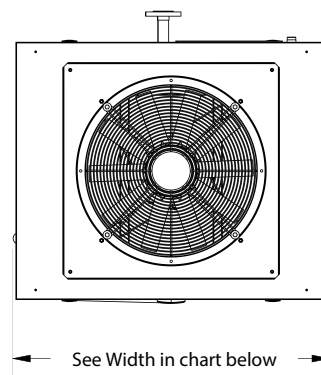
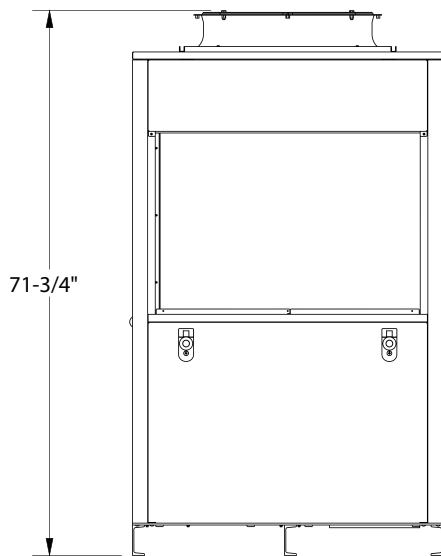
MODULAR DESIGN CONCEPT

LOW GLOBAL WARMING  
POTENTIAL (GWP) REFRIGERANT  
(R513A)

PACKAGE SOLUTION AVAILABLE

TOUCH SCREEN CONTROL  
PANEL (INTEGRAL OR REMOTE  
MOUNTED)

# HEAT PUMP WATER HEATER DIMENSIONS AND SPECIFICATIONS



## STANDARD FEATURES

- High efficiency COP
- Zero on-site emissions
- Modular design
- Low GWP R513A refrigerant
- Maximum set point of 160°F
- Single pass or multi-pass
- Scroll compressor (Copeland) with CoreSense™ protection module
- ECM variable speed pump
- Electronic expansion valve
- Reversing valve
- 480V 3-phase
- Indoor or outdoor installation
- Manifold piping assembly (increases unit depth to 63")
- System control panel (remote mountable)

## CONTROL PANEL FEATURES

- Touch screen control
- Cascade sequencer for up to 64 heat pumps
- Building automation integration (0-10V DC)
- Variable speed pump control
- Fault logging
- Modbus TCP
- Low voltage terminal strip
- Alarm contact
- Backup enable
- Remote mountable

## OPTIONAL EQUIPMENT

- Bus Panel
- Step-up transformer (208V 3-phase to 480V 3-phase)
- BMS Gateway to Modbus RS485
- BMS Gateway to BACnet IP / MSTP



MODEL SHPA-280

Model Number	COP	*BTU/h Output	Width	Shipping Weight
SHPA-60	4.61	66,688	30-5/8"	913
SHPA-140	4.27	136,381	41-5/8"	1,119
SHPA-200	4.44	203,069	72-1/4"	2,032
SHPA-280	4.27	272,762	83-1/4"	2,238
SHPA-350	4.38	339,450	113-7/8"	3,151

\*DOE test standard, 80°F ambient with 63% humidity, inlet water temperature at 70°F, outlet water temperature at 120° F