

Accelera™ E Heat Pump Water Heaters

Technical specifications

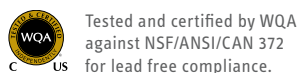
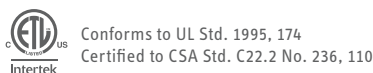
| Model | Accelera® 220 E | Accelera® 300 E |
|---|------------------------------------|---------------------|
| Item no. | 233058 | 233059 |
| GENERAL DATA | | |
| Operating temperature range | 42 °F to 108 °F (6 °C to 42 °C) | |
| DHW temperature | 149 °F (65 °C) | |
| Air flow rate | 324 CFM | |
| Sound power level* | 60 dB | |
| Sound pressure level* @ 3.3 feet (1 m) | 52 dB(a) | |
| Capacity | 58 gal (220 l) | 79.8 gal (302 l) |
| Refrigerant / filling weight | R134a / 850 g | R134a / 900 g |
| Height | 60 7/8" (1545 mm) | 75 3/4" (1913 mm) |
| Diameter | 27 1/8" (690 mm) | |
| Height of unit when tilted incl. packing | 74 1/8" (1895 mm) | 87 3/4" (2230 mm) |
| Weight dry | 264.5 lb (120 kg) | 297.6 lb (135 kg) |
| Weight wet | 748.5 lb (339.5 kg) | 956.6 lb (433.9 kg) |
| Water connection | 1" male NPT | |
| Condensate connection | 3/4" male NPT to 1/2" barbed elbow | |
| Safety condenser | Wraps around outside | |
| Operating pressure, water side | 87 psi (600 kPa) | |
| High pressure cutoff, refrigerant side | 348.1 psi (2.4 MPa) | |
| ELECTRICAL DATA & PERFORMANCE | | |
| Voltage / Frequency | 220-240 V / 60 Hz | |
| Circuit breaker | 15 A | |
| Rated current compressor & fan | 2.7 A | |
| Rated power consumption compressor and fan ² | 650 W | |
| Rated power, booster heater | 1500 W | |
| Heating output, heat pump ³ | approx. 1700 W | |
| Uniform Energy Factor (UEF) | 3.115 | 3.609 |
| DOE est. yearly energy usage / cost | 1040 kWh | 1289 kWh |
| DOE est. yearly energy cost | \$169 | \$155 |
| First hour rating | 50.3 gal (190.4 l) | 74.2 gal (280.8 l) |

¹ T_{amb} = 107.6 °F (42 °C) T_{water} = 149 °F (65 °C) / 240 V

² Test point to DIN 8497 at 59 °F (15 °C) air temperature, 70% rel. humidity and 113 °F (45 °C) water temperature

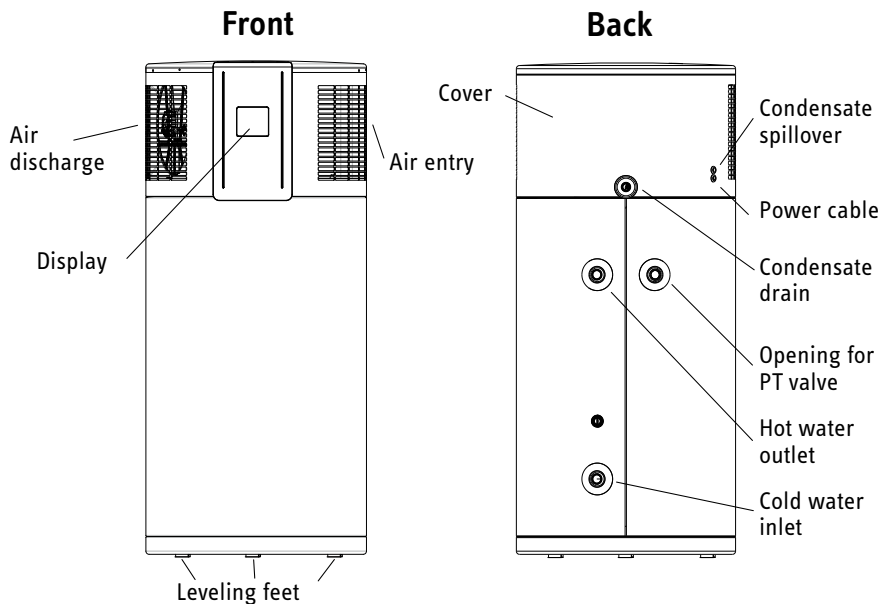
³ Test point at 59 °F (15 °C) air temperature, 70% rel. humidity, heating up water from 59 °F (15 °C) to 149 °F (65 °C), according to EN 255 T3, 240 V / 60 Hz

* Sound Power Level measures the sound energy emitted by a source. Sound Pressure Level (SPL) measures the sound level (loudness) at a distance from the source. SPL varies depending on the acoustic environment and the accuracy of the measurement device.



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Accelera® E Efficiency Rates

COP measured according to EN 255.3 as function of ambient air temperature at 70% relative humidity based on 59°F / 15°C cold water temperature

