

Accelera® Technical Specifications

Technical Data



Conforms to ANSI/UL
Std. 174 & 1995
Certified to CAN/CSA
C22.2 No. 110-94 & 236-05



Tested and certified by WQA
to NSF/ANSI 372.
for lead free compliance.

ISO 9001
CERTIFIED



	Accelera® 220 E	Accelera® 300 E
Item no.	233058	233059
Tank capacity	58 gal / 220 l	79.8 gal / 302 l
Energy Star Energy Factor	3.05	3.39
DOE est. annual energy usage	1040 kWh/yr	1289 kWh/yr
First hour rating	50.3 gal / 190.4 l	74.2 gal / 280.8 l
Max. DHW temperature	149 °F / 65 °C	
Max. avail. amount of 104°F/40°C DHW	106 gal / 400 l	147 gal / 560 l
Heat-up time (59°F ambient air temp.)	6.98-8.70 hr	9.75 hr
Heat-up time (44°F ambient air temp.)	10.02-11.97 hr	13.41 hr
Voltage / Frequency (Single phase)	220-240 V / 60/50 Hz	
Required circuit breaker	15 A, Type C	
Maximum power draw	2150 W	
Rated power, booster element	1500 W	
Sound pressure level at 3.3 ft / 1 m*	52 dB(A)	
Sound power level* (EN 12102)	60 dB(A)	
Operating temperature range	42-108°F / 6-42°C	
Max. permissible operating pressure, cold water/DHW	116 PSI / 0.8 MPa	
Refrigerant	R134a	
Height	60 ¹³ / ₁₆ in / 1545 mm	75 ¹ / ₄ in / 1913 mm
Diameter	27 ³ / ₁₆ in / 690 mm	27 ³ / ₁₆ in / 690 mm
Empty weight	264.5 lb / 120 kg	297.6 lb / 135 kg
Full weight	748.5 lb / 339.5 kg	956.6 lb / 433.9 kg
Condensate connection	3/4" male NPT to 1/2" barbed elbow	
Water connections	1" NPT	
Type of anode	Impressed current anode	

* 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.

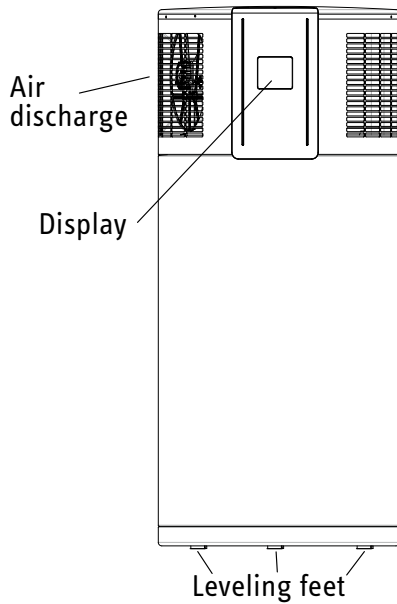
¹ Tamb = 42 °C (108 °F), Twater = 60 °C (140 °F), 240 V

Scroll for technical drawings & charts. ↓

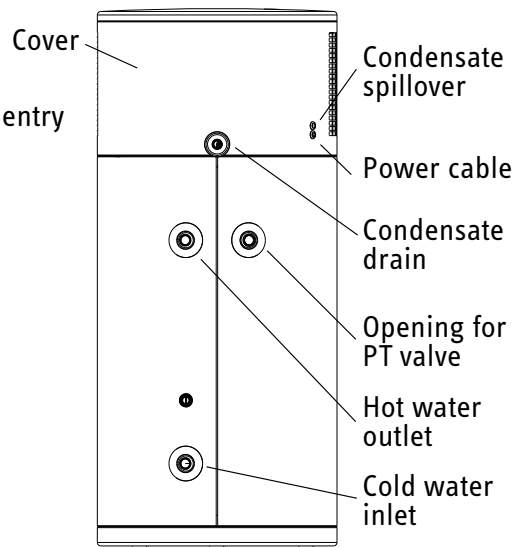
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Accelera® 220 E & 300 E

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Accelera® 220 E & 300 E Efficiency Rate

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

