

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	Accelera® 300
Item no.	233058	233059	222423
Tank capacity	58 gal / 220 l	79.8 gal / 302 l	80 gal / 303 l
Energy Factor	3.05	3.39	2.73
DOE est. annual energy usage	1040 kWh/yr	1289 kWh/yr	1391 kWh/yr
First hour rating	50.3 gal / 190.4 l	74.2 gal / 280.8 l	76.2 gal / 288.4 l
Max. DHW temperature	149 °F / 65 °C		140 °F / 60 °C
Max. avail. amount of 104°F/40°C DHW	106 gal / 400 l	147 gal / 560 l	136 gal / 514.8 l
Heat-up time (59°F ambient air temp.)	6.98–8.70 hr	9.75 hr	9.75 hr
Heat-up time (44°F ambient air temp.)	10.02–11.97 hr	13.41 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		2200 W
Rated power, booster element	1500 W		1700 W
Sound pressure level at 3.3 ft / 1 m*	52 dB(A)		55.2 dB(A)
Sound power level* (EN 12102)	60 dB(A)		64.2 dB(A)
Operating temperature range	42–108°F / 6–42°C		
Max. permissible operating pressure, cold water/DHW	116 PSI / 0.8 MPa		87 PSI / 0.6 MPa
Refrigerant	R134a		
Height	60 ¹³ / ₁₆ in / 1545 mm	75 ¹ / ₄ in / 1913 mm	73 ⁵ / ₈ in / 1870 mm
Diameter	27 ³ / ₁₆ in / 690 mm	26 in / 660 mm	26 in / 660 mm
Empty weight	264.5 lb / 120 kg	297.6 lb / 135 kg	286.6 lb / 130 kg
Full weight	748.5 lb / 339.5 kg	956.6 lb / 433.9 kg	952.4 lb / 432 kg
Condensate connection	¾" male NPT to ½" barbed elbow		
Water connections	1" NPT		Union to ¾" NPT
Type of anode	Impressed current anode		Sacrificial (replaceable)

* 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.

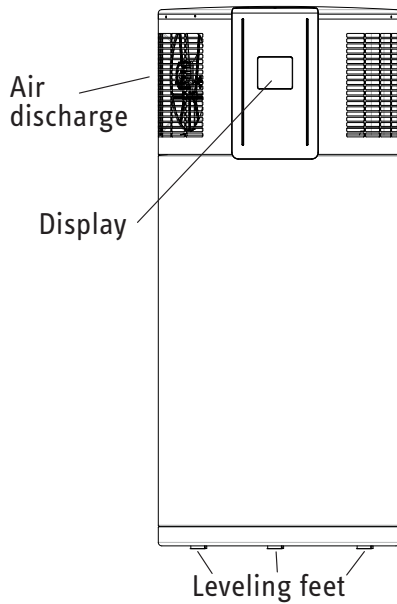
¹ Tamb = 42 °C (108 °F), T_{water} = 60 °C (140 °F), 240 V

Scroll for technical
drawings & charts. ↓

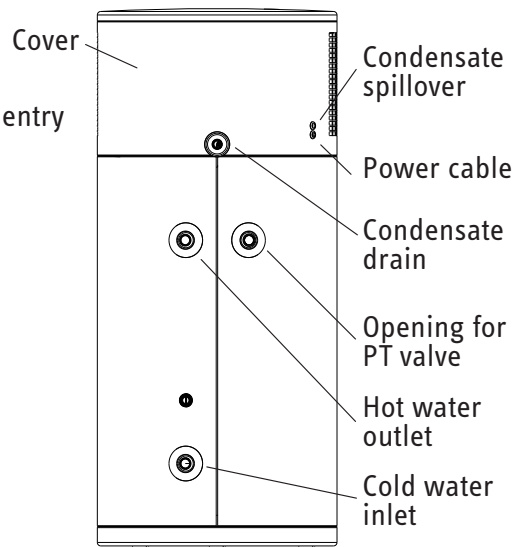
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Accelera® 220 E & 300 E

Front



Back



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

