

HIGH-FLOW SERIES

ES18-D | ES27-D

Electric Tankless Water Heaters

High capacity. Multi-bath performance. Built for demanding applications.

The Drakken Elite High-Flow Series provides continuous, on-demand hot water for larger homes, multi-bath installations, and light-commercial applications. Both models share the same compact enclosure and plumbing configuration.



ES18-D
18 kW



ES27-D
27 kW

SPECIFICATIONS	ES18-D	ES27-D
Power Output	18 kW	27 kW
Voltage / Phase / Frequency	240 V / 1-phase / 60 Hz	240 V / 1-phase / 60 Hz
Maximum Current Load	75 A total (2 x 37.5 A)	112.5 A total (3 x 37.5 A)
Required Branch Circuits	2 independent circuits	3 independent circuits
Required Breakers	2 x 40 A, 2-pole	3 x 40 A, 2-pole
Minimum Copper Conductors	2 sets: 8 AWG R/B/G	3 sets: 8 AWG R/B/G
Water Connection (Inlet/Outlet)	3/4" NPT	3/4" NPT
Minimum Activation Flow	0.32 GPM	0.32 GPM
Working Pressure	2.9-87 PSI	2.9-87 PSI
Temperature Setting Range	86-140°F	86-140°F
Dimensions (H x W x D)	16.8" x 12.1" x 4.1"	16.8" x 12.1" x 4.1"
Weight (Empty)	16.3 lbs	17.6 lbs
Installation	Wall mounted - vertical	Wall mounted - vertical
Warranty	5-year replacement warranty*	5-year replacement warranty*

CERTIFICATIONS & COMPLIANCE



ETL Listed
Conforms to UL 499
Conforms to CSA C22.2 No. 64

APPLICATIONS



Whole Home



Multi-Fixture



Condos & Apartments

WARRANTY



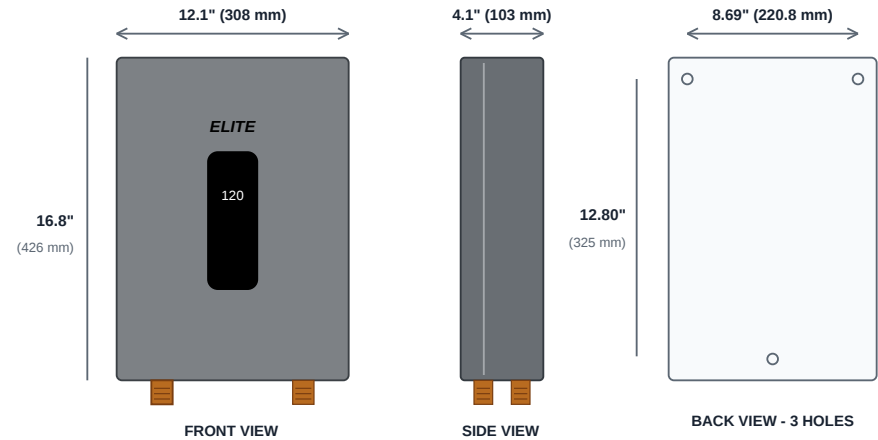
5 YEAR
PRODUCT REPLACEMENT
WARRANTY*

*See written warranty for full terms and conditions.

MOUNTING INSTRUCTIONS

- 1 Select a clean, dry, vertical wall near electrical and water service.
- 2 Use the mounting template to mark three mounting holes.
- 3 Drill 6 mm holes and install appropriate anchors for the wall type.
- 4 Hang the unit securely and confirm it is level.
- 5 Connect hot outlet on the left and cold inlet on the right.
- 6 Provide separate 240 V branch circuits as listed for each model.

MOUNTING TEMPLATE & DIMENSIONS



Install vertically. Maintain sufficient service access and comply with all local codes.

PLUMBING CONNECTIONS

Pipe Size: 3/4" NPT (Inlet & Outlet)

Thread Type: NPT (Tapered)

Approved hot-water materials:

- Copper (Type L)
- PEX with approved brass/SS fittings
- Stainless steel (corrugated or rigid)

All piping and connections must be rated for hot water and system pressure. Install required valves and devices per plumbing code.

ELECTRICAL REQUIREMENTS

ES18-D: 2 x 40 A, 2-pole breakers

ES27-D: 3 x 40 A, 2-pole breakers

240 V / single phase / 60 Hz

Minimum conductor size: 8 AWG copper

Each circuit is independent and dedicated.

Breaker and conductor sizing must comply with NEC, equipment labeling, and the local authority having jurisdiction.

CONDUCTORS PER CIRCUIT

- RED - LIVE
- BLACK - LIVE
- GREEN - GROUND

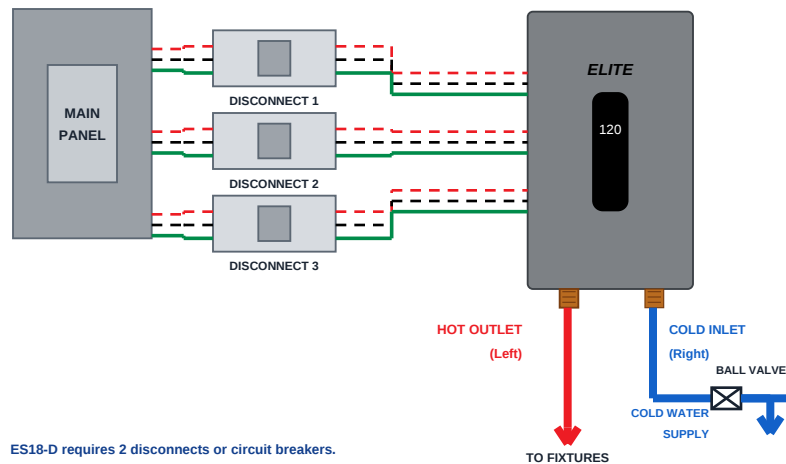
Repeat for every independent branch circuit.

ES18-D: 2 conductor sets

ES27-D: 3 conductor sets

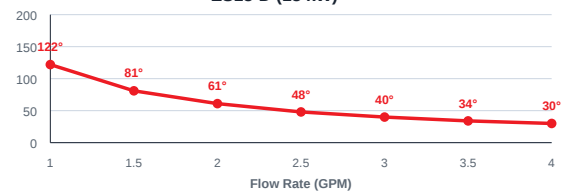
Each set: Red live, Black live, Green ground

TYPICAL INSTALLATION DIAGRAM

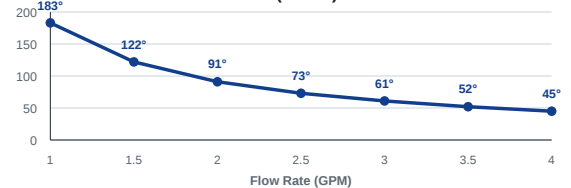


TEMPERATURE RISE CHARTS

ES18-D (18 kW)



ES27-D (27 kW)



INSTALLATION CLEARANCES



Maintain service access and ventilation. Install vertically.

SHOWER CAPACITY AT 75°F INLET

ES18-D: approx. 2 showers

ES27-D: approx. 3 showers

Based on 105°F outlet and 2.0 GPM per shower. Actual capacity varies by fixture flow and mixing.

PROJECT INFORMATION

Project: _____

Model: ES18-D [] ES27-D []

Inlet Temp / Required Rise: _____

Voltage / Breakers / Wire: _____

Specifications are subject to change without notice. Refer to the current installation manual and local codes.