

HIGH+FLOW SERIES

ES36-D

Electric Tankless Water Heat

High capacity. Maximum output. Built for demanding applications.

The Drakken Elite ES36-D provides continuous, on-demand hot water for larger residences, multi-fixture installations, and light-commercial applications when properly sized and installed.



SPECIFICATIONS	ES36-D
Power Output	36 kW
Voltage / Phase / Frequency	240 V / 1-phase / 60 Hz
Maximum Current Load	150 A (4 x 37.5 A)
Required Branch Circuits	4 independent circuits
Required Breakers	4 x 40 A, 2-pole
Minimum Copper Conductors	4 sets: AWG #8 copper + equipment ground
Water Connections (Inlet / Outlet)	3/4-inch male NPT
Minimum Activation Flow	0.79 GPM
Working Pressure	2.9-87 PSI
Temperature Setting Range	86-140 F
Dimensions (H x W x D)	21.14 x 13.74 x 5.31 in
Installation	Wall mounted - vertical
Connectivity	Wi-Fi capable / remote temperature control
Warranty	5-year replacement warranty*

CERTIFICATIONS & COMPLIANCE



ETL LISTED

Intertek 4005161

Conforms to UL 499

Conforms to CSA C22.2 No. 64

APPLICATIONS

Larger residences
Multi-fixture demand
Light-commercial applications

WARRANTY

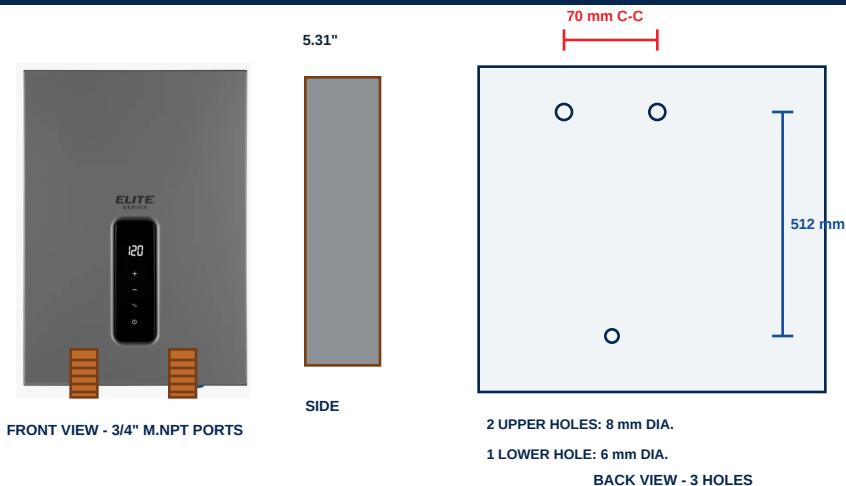
5
5-YEAR
PRODUCT REPLACEMENT
WARRANTY*

*See written warranty for full terms and conditions.

MOUNTING INSTRUCTIONS

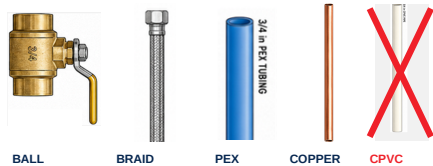
- 1 Clean, dry, vertical wall near services.
- 2 Mark three holes from ES36-D template.
- 3 Drill TWO upper holes: 8 mm diameter.
- 4 Drill ONE lower hole: 6 mm diameter.
- 5 Upper holes: 70 mm center-to-center.
- 6 Upper line to lower hole: 512 mm.

MOUNTING TEMPLATE & DIMENSIONS



PLUMBING CONNECTIONS

INSTALL FIRST: ONE 3/4" BALL VALVE



Both heater ports: 3/4" MALE NPT

Approved: rated braided, 3/4" PEX, or

3/4" rigid copper - all shown upward.

NO DIRECT CPVC CONNECTION.

ELECTRICAL REQUIREMENTS



4 x 40 A DOUBLE-POLE BREAKERS

Four independent 240 V branch circuits

Verify panel and service load capacity.

Listed equipment; licensed electrician.

Follow the manual and local AHJ.

CONDUCTORS PER CIRCUIT



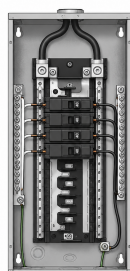
EACH OF FOUR CIRCUITS

AWG #8 Cu: BLACK + RED

+ equipment grounding conductor

Verify insulation, raceway/cable, terminals, temperature rating, ampacity and local code.

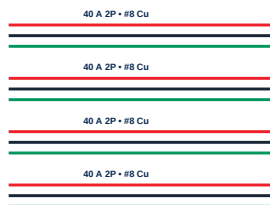
TYPICAL FOUR-CIRCUIT INSTALLATION



PANEL / SUBPANEL

Each circuit: two ungrounded #8 Cu conductors plus equipment grounding conductor.

Conceptual only—final permitted design by licensed electrician and local AHJ.

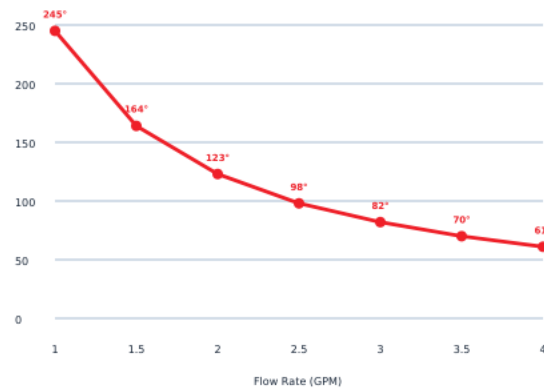


HOT: 3/4" M.NPT

COLD: 3/4" M.NPT + 3/4" BALL VALVE

TEMPERATURE RISE CHART

ES36-D (36 kW)



INSTALLATION CLEARANCES

Maintain service access and all clearances specified by the manual and local code.

Vertical wall mounting only.

APPLICATION GUIDANCE

Larger residences

Multi-fixture demand

Light-commercial applications

PROJECT INFORMATION

Project: _____

Inlet Temp / Required Rise: _____

Voltage / Breakers / Wire: _____

NOT A PERMIT DRAWING. Verify the current NEC, Florida Building Code, local amendments, service load, manufacturer instructions, and AHJ requirements.

Drakken

Built for Reliability **Built to Last.**

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