

# NUOS SIDE-CONNECT

Residential Water Heater

 **ARISTON**  
The home of sustainable comfort

www.ariston.com

## Features

- ▶ **i-MEMORY** self-learning habit algorithm which will ensure you have hot water when you need it and save energy when you don't.
- ▶ **INTEGRATED WI-FI and ARISTON NET APP** connect to a local internet network to remotely monitor and control your water heater through our free mobile app.
- ▶ **5 UNIQUE OPERATING MODES** to suit all water heating demands. Comfort (default factory mode), Green, Fast, Electric, and Vacation modes.
- ▶ **BOOST FUNCTION** allows for a single heat up cycle using the heat pump and elements to decrease recovery time.
- ▶ **BUILT IN LEAK DETECTION** with app notifications and optional shut off valve at the inlet to provide peace of mind.
- ▶ **ECOPOINT CERTIFIED** Demand Response ready (CTA-2045OpenADR).
- ▶ **USER-FRIENDLY HMI INTERFACE WITH AN LCD DISPLAY** screen that allows for easy view of current operational status, parameter changing, and diagnostics.
- ▶ **DUAL BACKUP INCOLOY HEATING ELEMENTS**
- ▶ **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- ▶ **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

## Performance

- ▶ **UP TO 4.01 UEF**
- ▶ **UP TO 87 GALLONS FIRST HOUR RATING (FHR)**
- ▶ **QUIET OPERATION** with a sound rating of 49.1 dBA.\*
- ▶ **DELIVERS HOT WATER UP TO 149°F**
- ▶ **EXCEEDS PERFORMANCE REQUIREMENTS OF THE DOE**
- ▶ **ENERGY STAR LISTED**
- ▶ **AHRI CERTIFIED AND LISTED**
- ▶ **NEEA TIER 4 CERTIFIED**
- ▶ **TITLE 24 COMPLIANT**
- ▶ **CERTIFIED FOR JA13 (ToU)**
- ▶ **HEAT PUMP MODE RUNS IN AMBIENT TEMPS BETWEEN 36–120°F**

\*Operation at 49.1 dBA measured using third-party certified testing procedures at 120°F temperature set point.

## Quality

- ▶ **HEAVY GAUGE STEEL TANK** for extra years of trouble-free service.
- ▶ **GLASS-LINED TANK** with DuraGlas™ and fired at 1600°F for optimum protection from the effects of corrosion.
- ▶ **DUAL CATHODIC PROTECTION** featuring a powered and a magnesium anode for enhanced protection and extended tank life.
- ▶ **10-YEAR LIMITED WARRANTY** includes 10-year limited warranty on tank and parts.



40, 50, 65, & 80 Gallon Capacities

208 - 240 V Single Phase



**WI-FI  
INTEGRATION**



**I-MEMORY  
TECHNOLOGY**

**PRO  
FESSIONAL  
TECH**

**DOUBLE PROTECTION  
ANTI CORROSION**



**ENERGY  
EFFICIENCY**



**WATER LEAKAGE  
DETECTION**

## SPECIFICATIONS AND APPLICATION DATA

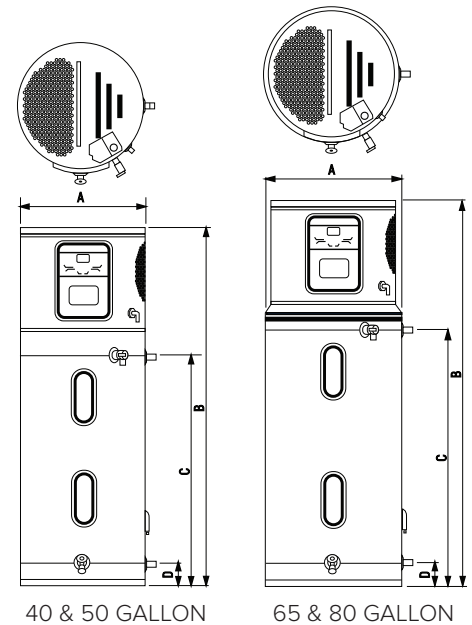
### DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL VOLUME (GAL)	DOE RATED CAPACITY (GAL)	FIRST HOUR RATING (GAL)	UNIFORM ENERGY FACTOR (UEF)	GPH RECOVERY AT 90° RISE (GAL)	EST. YEARLY ENERGY COST (\$)	ELEMENT WATTAGE (WATT)	COMPRESSOR WATTAGE (WATT)	ELECTRICAL BREAKER SIZE (A)	SOUND LEVEL (dBA)
ARIHPWH-40	40	37	66	3.58	27	\$127	4,500	500	30	49.1
ARIHPWH-50	50	45	68	3.75	27	\$121	4,500	500	30	49.1
ARIHPWH-65	65	62	78	3.85	27	\$180	4,500	500	30	49.1
ARIHPWH-80	80	73	87	4.01	27	\$173	4,500	500	30	49.1

MODEL NUMBER	FLOOR TO						CONDENSATE HOSE SIZE (IN)	REC DRAIN PAN DIAMETER (IN)	APPROX. SHIP WEIGHT (LBS)
	JACKET DIAM (IN) A	TOP OF HEATER (IN) B	SIDE T&P (IN) C	SIDE HOT (IN) C	SIDE COLD (IN) D	DRAIN VALVE (IN) D			
ARIHPWH-40	22 ½	56 ½	33 ¾	33 ¾	4 ¼	4 ¼	¾	24	190
ARIHPWH-50	22 ½	64 ¼	41 ½	41 ¼	4 ¼	4 ¼	¾	24	238
ARIHPWH-65	24 ½	69 ¼	41 ¾	41 ¾	4 ¼	4 ¼	¾	26	271
ARIHPWH-80	24 ½	78 ¼	54 ¾	54 ¾	4 ¼	4 ¼	¾	26	337

### ACCESSORIES LIST

PART NUMBER	DESCRIPTION	INCLUDED OR ACCESSORY?
65170399	Leak Detection Sensor	Included
NA	Tie-down straps	Included
4105033	Automatic Shut-off Valve (Model #: 3629160) + Cable (Model #: 4105028)	Accessory
3629161	Inlet Duct Adapter	Accessory
3629162	Outlet Duct Adapter	Accessory
3255016	Vibration Isolation Kit	Accessory
3255017	8" UL Certified Termination Kit	Accessory



- ▶ All models comply with NAECA requirements are UL and CEC listed and meet or exceed ASHRAE 90.1 b.
- ▶ Heaters are wired for non-simultaneous operation, single phase 240 Volts with dual 4,500 Watt elements. When 208 Volts is supplied to the heater, the elements will still heat, but at a lesser value of 3,380 Watts.
- ▶ All models are certified at 300psi test pressure and 150psi working pressure.
- ▶ Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



Ariston NET app available for download.



### SAMPLE SPECIFICATION

Water heater shall be ARISTON model \_\_\_\_\_ having a storage capacity of \_\_\_\_\_ gallons, a rated input of \_\_\_\_\_ KW at \_\_\_\_\_ Volts, single phase 60 Cycle AC and a recovery rate of \_\_\_\_\_ gallons per hour at 90°F temperature rise. Water heater shall perform with a UEF no lower than 3.40. Wi-Fi, app connectivity, and be Demand Response ready. Water heater tank interior shall be glass lined with Dura-Glas™. Water Heater shall be furnished with both a powered and a magnesium anode rod. Water Heater insulation shall be non-CFC foam. Water heater shall be tested and listed to Underwriters Laboratories standard UL 60335-2-40.

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