

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.
- ▶ **ECOPORT 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**

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**



**DOUBLE PROTECTION
ANTI CORROSION**



**ENERGY
EFFICIENCY**



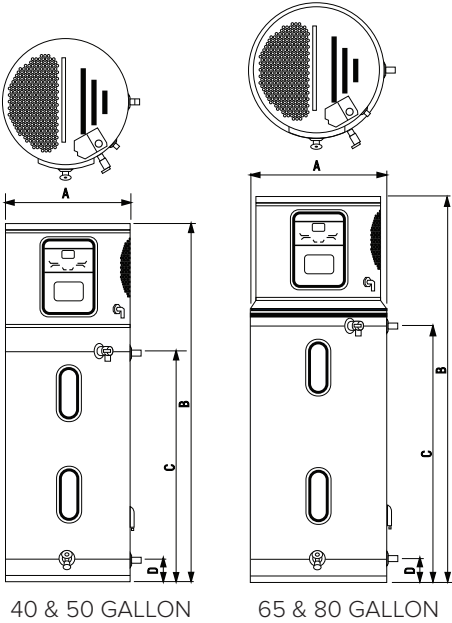
**WATER LEAKAGE
DETECTION**

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	JACKET DIAM (IN)	FLOOR TO					CONDENSATE HOSE SIZE (IN)	REC DRAIN PAN DIAMETER (IN)	APPROX. SHIP WEIGHT (LBS)
		TOP OF HEATER (IN)	SIDE T&P (IN)	SIDE HOT (IN)	SIDE COLD (IN)	DRAIN VALVE (IN)			
	A	B	C	C	D	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 ¼	54 ¼	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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