

NUOS MULTI-FIT

Residential Water Heater

 **ARISTON**
The home of sustainable comfort

www.ariston.com

Features

- ▶ **PATENTED** split top cap and **LARGEST** horizontal removable air filter with 2.5x surface area compared to the common 8" air inlet.
- ▶ **MULTI-PORT CONFIGURATION** designed with top and side DHW connections to ensure installations - both new and retrofit - are easy.
- ▶ **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-2045/OpenADR).
- ▶ **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 4.10 UEF**
- ▶ **UP TO 88 GALLONS FIRST HOUR RATING (FHR)**
- ▶ **QUIET OPERATION** with a sound rating of 45.0 dBA.*
- ▶ **DELIVERS HOT WATER UP TO 149°F**
- ▶ **EXCEEDS PERFORMANCE REQUIREMENTS OF THE DOE**
- ▶ **ENERGY STAR LISTED**
- ▶ **AHRI CERTIFIED AND LISTED**
- ▶ **NEEA CERTIFIED**
- ▶ **TITLE 24 COMPLIANT**
- ▶ **CERTIFIED FOR JA13 (ToU)**
- ▶ **HEAT PUMP MODE RUNS IN AMBIENT TEMPS BETWEEN 35–120°F**

*Operation at 45 dBA measured at 6 feet using third-party certified testing procedures.

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



SPECIFICATIONS AND APPLICATION DATA

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-T	40	37	65	3.55	27	\$127	4,500	500	30	45.0*
ARIHPWH-50-T	50	45	68	3.83		\$119				
ARIHPWH-65-T	65	61	77	4.05		\$171				
ARIHPWH-80-T	80	74	88	4.10		\$169				

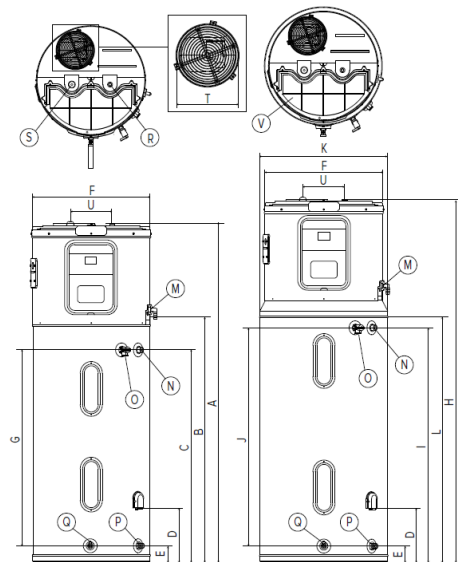
*Operation at 45 dBA measured at 6 feet using third-party certified testing procedures.

DIMENSIONS IN INCHES

MODEL NUMBER	FLOOR TO							JACKET DIAM (IN)	DISTANCE BETWEEN SIDE COLD/HOT (IN) G	AIR OUTLET DIAM (IN) T	DISTANCE BETWEEN TOP COLD/HOT (IN) U	CONDENSATE HOSE SIZE (IN)	REC DRAIN PAN DIAMETER (IN)	APPROX. SHIP WEIGHT (LBS)
	TOP OF HEATER (IN)	CONDENSATE DRAIN (IN)	SIDE T&P (IN)	SIDE HOT (IN)	LEAK DETECTION SENSOR PORT (IN) D	SIDE COLD (IN)	DRAIN VALVE (IN)							
	A	B	C	C	D	E	E							
ARIHPWH-40-T	56 ½	37 ½	32 ½	32 ½	10 ½	3	3	22 ¾	29 ½	8	8	¾	24	190
ARIHPWH-50-T	64 ¼	45	40 ¼	40 ¼	10 ½	3	3	22 ¾	29 ½	8	8	¾	24	238
ARIHPWH-65-T	69 ½	46 ¾	44 ¾	44 ¾	10 ½	3	3	24 ½	37 ½	8	8	¾	26	271
ARIHPWH-80-T	78 ¾	56 ½	53 ¼	53 ¼	10 ½	3	3	24 ½	37 ½	8	8	¾	26	337

PART NUMBER	DESCRIPTION	INCLUDED OR ACCESSORY?
65170399	Leak Detection Sensor	Included
N/A	Tie-down straps	Included
4105032	Automatic Shut-off Valve (Model #: 3629160) + Cable (Model #: 4105027)	Accessory
4105013	Inlet 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.



40 & 50 GALLON

65 & 80 GALLON



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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