### Job Name/Location:

Tag No:

Date:		For:	File	Resubmit
PO No.:			Approval	Other
Architect:	GC:			

Mech:

(Project Manager)

Engr:

Rep: (Company)

## APHWC801M

80 Gal. High-Efficiency Electric Heat Pump Water Heater

### Features:

• Square-shaped heat pump water heater with inverter technology in a silver finish.

• Anode rod and enamel-coating in water tank assists in preventing corrosion, and helps promote longer water tank life.

Self-diagnosis function using LG ThinQ

• Simple control with digital display includes four (4) buttons: Mode, Set, Up, and Down.

 Built-in LG ThinQ<sup>™</sup> Wi-Fi (download app) allows for operation mode (Auto, Heat Pump, Turbo, Vacation, Schedule) temperature settings, and monitoring of hot water temperature.

• Two (2) separate heat sources - heat pump plus two (2) heating

elements - enable back-up operation if one component fails.

• Water temperature sensor monitors water draw and helps to optimize operation.

### Modes:

• Auto	• Turbo	<ul> <li>Heat Pump</li> </ul>	<ul> <li>Vacation</li> </ul>
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### **Performance:**

Nominal Capacity (gal.)		80
Rated Storage Volume (gal.)		72
FHR (gal.)		94
Recovery 90° Rise (gal./hour)		22.7
Annual Energy Consumption (kW/h)		1272
UEF		3.9
FHR = First Hour Rating	UEF = Uniform Energy Factory	

FHR = First Hour Rating

### **Electrical:**

Power Supply (V / Hz / $\emptyset$ ) <sup>1,2</sup>	208-240 / 60 / 1
MOP (A)	30.0
MCA (A)	30.1
Heater Rated Amps (240V) (A)	20.8
Compressor Rated Amps (A)	1.5
Compressor Rated Load Amps (RLA) (208V / 240V)	3.3 / 3.1
Compressor Rated Power Input (W)	376
Fan Motor Output (W)	43
Fan Full Load Amps (FLA)	0.22
Upper Element Wattage (kW) 208V / 240V	3.8 / 5
Lower Element Wattage (kW) 208V / 240V	3.8 / 5

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

### Water System:

Maximum Working Pressure (Water Tank) (psi) 1	
Design Pressure System (High S	ide) 290
Design Pressure System (Low Side) 130	
Water Connection Location	Side
Water Connection Size (in.)	3/4 Female or Male Pipe Thread
Drain Hose Size (I.D.)	3/4, 1/2 Male or Female Pipe Thread

## Accessory:

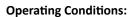
□ Duct Adapter – PHDCLA0

For a complete list of available accessories, contact your LG representative.

For continual product development, LG reserves the right to change specifications without notice.

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Heating (°F)	23 to 120
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### Unit Data:

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Refrigerant Type	R134A
Refrigerant Charge (oz.)	26
Refrigerant Control	Electronic Expansion Valve (EEV)
Compressor Type	Twin Rotary
Rated Air Flow Rate (CFM)	155.4
Hot Water Setpoint Range (°F)	95 to 140
Sound Pressure Level <sup>3</sup> (Auto) dB(A)±3	42
Sound Pressure Level <sup>3</sup> (Turbo) dB(A)±3	3 45
Insulation	Foam, 1.6 ~ 2.4 in.
Net Dimensions (W x H x D, in.)	22-27/32 X 79-1/16 X 22-29/32
Shipping Dimensions (W x H x D, in.)	29-1/16 X 84-31/32 X 27-5/32
Net Weight (lbs.)	262
Shipping Weight (lbs.)	304

### Heat Pump Fan:

Туре	Propeller
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct

#### Notes:

1. Acceptable operating voltage: 176V ~ 276V.

2. Power wiring size must comply with the applicable local and national codes.

3. Sound pressure levels are tested in an anechoic chamber under Northern Climate Specification (NEEA) Version 6.0 Appendix D: Sound Pressure Measurement Test Method

4. Must follow installation instructions in the applicable LG installation manual.







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