

# Specifications

Table 1: Double Hybrid Heat Pump performance ratings

Model	Tons	Capacity Modulation	Ground Loop Flow Rate	CFM	Ground Loop Heat Pump <sup>4</sup>							
					Cooling (Force Air only) <sup>1</sup>		Forced Air Heating <sup>2</sup>		Hybrid Air & Water Heating <sup>3</sup>		Hot Water Only	
					Capacity (BTU/Hr)	EER	Capacity (BTU/Hr)	COP	Capacity (BTU/Hr)	COP	Capacity (BTU/Hr)	COP
36	3	Part	12/11	1200	28,000	27	23,000	4.8	19,600	4.0	17,300	3.4
		Full	12	1400	37,500	17	29,300	4.3	25,000	3.7	22,000	3.2
48	4	Part	14/12	1550	38,500	23	30,800	4.4	26,200	3.8	23,100	3.3
		Full	15	1700	47,500	16.5	38,000	3.9	32,300	3.4	28,500	3.0
60	5	Part	16/14	1700	44,000	20	37,000	3.9	31,500	3.5	27,800	3.2
		Full	18	2100	55,500	15	45,500	3.6	38,700	3.3	34,200	3.1
72	6	Part	17/16	1800	56,000	21.5	46,500	4.2	39,600	3.7	35,000	3.3
		Full	20	2200	69,000	16	56,000	3.8	47,600	3.3	42,000	3.1

<sup>1</sup>Cooling capacities based upon 80.6 °F (27 °C) DB, 66.2 °F (19 °C) WB entering air temperature.

<sup>2</sup>Heating capacities based upon 68°F (20 °C) DB, 59°F (15 °C) WB entering air temperature.

<sup>3</sup>Hybrid Heating Capacity based on 115 °F (56.1 °C) hot water supply, 32 °F/42 °F (0 °C /5.5 °C) ground loop entering water temperature, 68 °F (20 °C) entering air temperature.

<sup>4</sup>All ratings based upon 240V operation.

Table 2: AHRI Ratings

Model	Tons	Capacity Modulation	Ground Loop Flow Rate (cool/heat)	CFM (cool/heat)	Ground Loop Heat Pump <sup>3</sup>			
					Cooling (Force Air only) <sup>1</sup>		Forced Air Heating <sup>2</sup>	
					Capacity (BTU/Hr)	EER	Capacity (BTU/Hr)	COP
36	3	Part	12/11	1200/1150	28,000	27	23,000	4.8
		Full	12	1400/1500	37,500	17	29,300	4.3
48	4	Part	14/12	1550/1500	38,500	23	30,800	4.4
		Full	15	1650/1700	47,500	16.5	38,000	3.9
60	5	Part	16/14	1700/1750	44,000	20	37,000	3.9
		Full	18	2100	55,500	15	45,500	3.6
72	6	Part	17/ 16	1700/2000	56,000	21.5	46,500	4.2
		Full	20	2200	69,000	16	56,000	3.8

<sup>1</sup>Cooling capacities based upon 80.6 °F (27 °C) DB, 66.2 °F (19 °C) WB entering air temperature.

<sup>2</sup>Heating capacities based upon 68°F (20 °C) DB, 59°F (15 °C) WB entering air temperature.

<sup>3</sup> All ratings based upon 240V operation.

Figure 1: Top view with external clearances to unit.

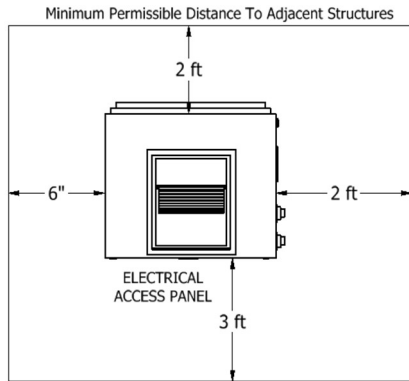


Figure 2: Hot Water Buffer Tank and DHHP unit specifications

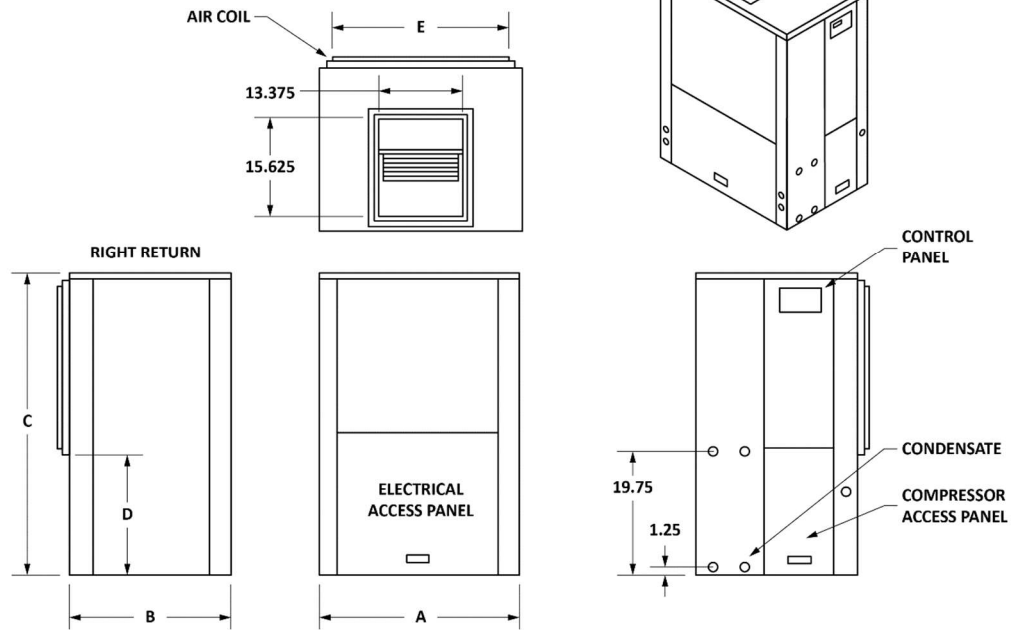
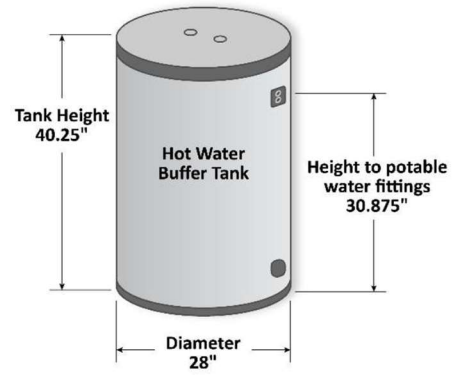


Table 3: DHHP unit specifications based on model

Model	A (in.)	B (in.)	C (in.)	Supply Air (W x D) (in.)	Return Air Size (L X W) (in.)	Filter Size (L X W) (in.)	Weight (lb)
36	32	25.75	48	15.625 x 13.375	26 x 28	28 x 30	350
48	32	25.75	52	15.625 x 13.375	30 x 28	32 x 30	380
60	32	25.75	56	15.625 x 13.375	36 x 30	36 x 30	420
72	32	25.75	56	15.625 x 13.375	36 x 30	36 x 30	430