The Benefits of Heat Pump Dryers

Washers and dryers account for about 10% of the energy use in our homes and a significant amount of our water use. Heat pump dryers are rated ENERGY STAR's most efficient dryers on the market, using roughly 30% less energy than a typical electric resistance or gas dryer. They use heat pump technology to move heat rather than create it, and have many benefits.

INCREDIBLE ENERGY SAVINGS

Heat pump dryers are 30% more efficient than standard dryers according to ENERGY STAR—saving energy that can be used to power other things like your EV.

OPERATIONAL SAVINGS

A heat pump dryer will reduce average home electricity bills by about $30-50, or about 4% per year.

EASY SWITCH FROM GAS

Many heat pump dryers plug into a standard 120 volt plug, making it easy to replace gas dryers without running a new 240-volt electric wire.

CARBON SAVINGS

The energy savings from a heat pump dryer will avoid nearly 200 lbs of CO_2 annually. That's a big impact from one small appliance.

BETTER FOR THE GRID

Heat pump dryers draw significantly less power which is easier on the grid as we electrify everything.

EASIER ON CLOTHING

Because they use less heat, heat pump dryers won't scorch your undies and help to make your clothes last longer.

LESS FIRE RISK

Close to 3,000 fires are caused annually by clothes dryers. Heat pump dryers greatly reduce this risk because they operate at much lower temperatures.

NO VENTING

Heat Pump dryers require no ventiing to the outdoors, so they can go in almost any room and work great in apartments and ADU's.

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Ventless Washer Dryer Combos

Combo washer dryers have been around for many years, but new releases can process larger laundry loads and include ventless heat pump dryers. This dramatically reduces energy consumption and offers real conveniences from space saving to loading simplicity and wifi based smart appliance features.

What is a Ventless Washer Dryer Combo?

- Single front load appliance that washes and dries laundry in the same drum
- No vent to the outside required
- Requires a water drain
- Machine automatically goes from wash to dry mode
- Plugs into standard 120V outlet
- Heat pump or condenser for super energy efficient drying

What are the advantages and disadvantages of combo washer + heat pump dryers?

ADVANTAGES

- Just one machine—saves space
- No transferring wet laundry from washer to dryer—load only once
- No machine downtime between washing and drying
- 120V saves panel capacity for other appliances
- Very low water and energy use

DISADVANTAGES

- More expensive than most standalone models
- Longer drying times
- Lint management is critical to drying performance
- Can't process multiple loads at the same time

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Ventless Combo Washer Dryer Model Comparison

	Samsung WD53DBA900HZ	LG WM6998HBA	GE PFQ97HSPVDS	Whirlpool WFC682CLW
Drum Size (Cu. Ft.)	5.3	5	4.8	4.5
Price*	$1,859	$1,795	$1,982	$1,388
Height (inches)	44	39	47	39
kWh/yr	103	99	136	139
Dryer Technology	Heat Pump	Heat Pump	Heat Pump	Condenser
Energy Star	Yes	Yes	Yes	Yes
Smart	Yes	Yes	Yes	No
Consumer Reports Score	71	69	64	60
CR Wash Perf	5/5	4/5	4/5	4/5
CR Wash Noise	4/5	4/5	4/5	4/5
CR Dry Perf	2/5	2/5	2/5	2/5
CR Dryer Noise	5/5	5/5	4/5	1/5

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* Prices as of 8/24 – actual prices may vary