

Ventilation Solutions

Laundries



The Real Deal

Adhering to UL705* designed exclusively for dryer exhaust in the **USA**.

DEDPV-705

What does a UL-listed dryer application look like?

The UL705 is a unique UL listing that was designed exclusively for dryer exhaust, not a blanket certification for any old fan. Not only are Dryer Exhaust Duct Power Ventilators (DEDPVs) designed specifically to be part of a dryer exhaust system, they are also referenced in the latest IRC -International Residential Code.



CERTIFIED BY UL TO THE DEDPV REQUIREMENTS OF UL705*

DEDPV-705
A.K.A. The Real Deal

*2018 International Residential Code M11502.4.4 Domestic dryer exhaust duct power ventilators shall conform to UL 705 for use in dryer exhaust duct systems (DEDPV). The dryer exhaust duct power ventilator shall be installed in accordance with the manufacturer's instructions.



Adhering to CSA22.2 No. 113 and designed exclusively for dryer exhaust in **Canada**.

DPV22-2

Something different than a dryer booster.

If your Dryer Exhaust Solution isn't using a DPV22-2, then odds are that it isn't adhering to a code specifically designated for dryer exhaust. Show customers that their home meets all safety standards in your region by installing a DPV22-2 Duct Power Ventilator.

DPV22-2
A.K.A. The Real Deal



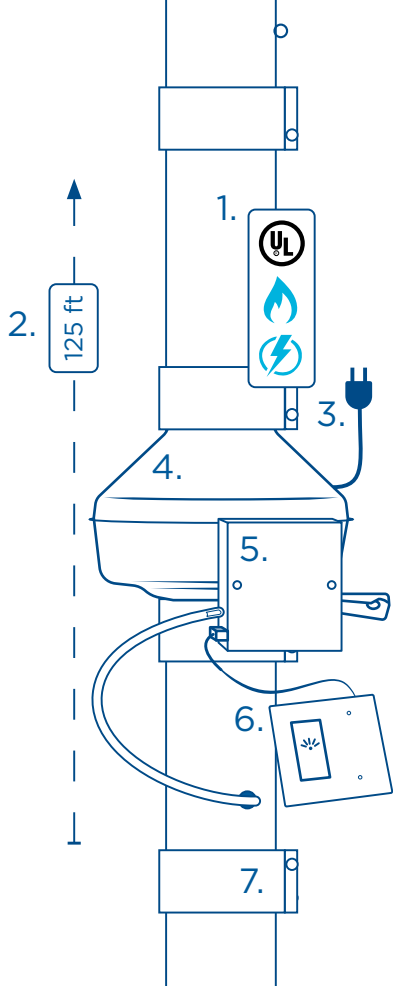
CERTIFIED BY CSA TO THE DPV REQUIREMENTS OF CSA22.2 No. 113

Both DEDPV-705 in the US, and DEDPV22-2 in Canada can be used with gas or electric dryers

DEDPV-705
See Fantech’s response to the UL-705

- 1. UL-listed for both **Gas & Electric** dryer applications.
- 2. Supports lengths of duct up to 125 feet.¹
- 3. 5 foot power cord/120v
- 4. All metal housing.
- 5. Automatically energizes when the dryer begins to operate and runs a 5 minute cool down cycle after the dryer completes its run cycle; No user interaction necessary!
- 6. Indicator Panel: Provides confidence to the occupants that the system is working properly and also signals when attention is necessary.
- 7. 4 duct clamps for easy install and maintenance.

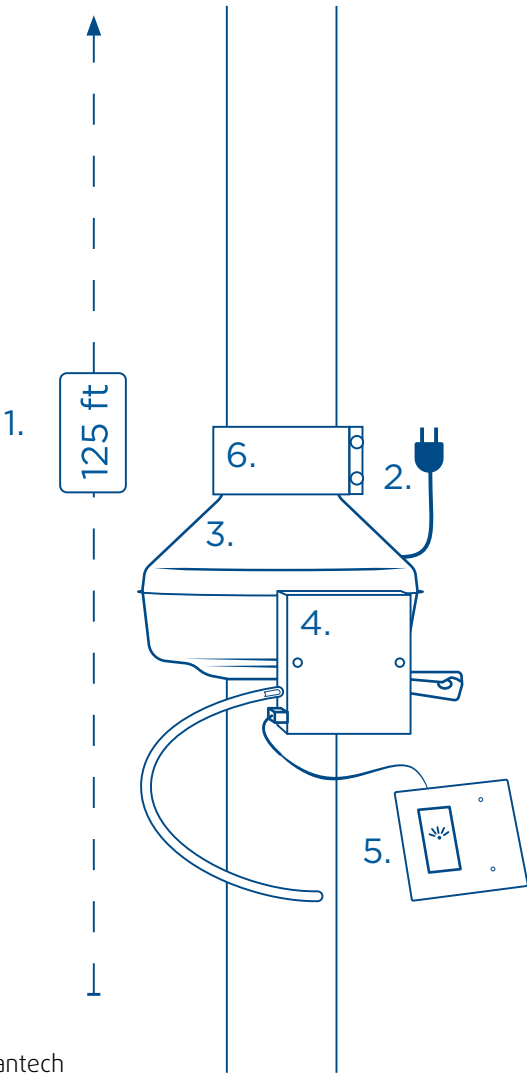
¹125 feet measurement based on air pressure at sea-level elevation.



DPV22-2
Safety and Maintenance are Easy

DPV22-2 allows you to confidently protect your client’s home from the risks associated with lint in long duct runs.

- 1. Supports lengths of duct up to 125 feet (38.1 m).
- 2. 5 foot (1.5 m) power cord/120v
- 3. Our DPV fan housings is metal, in accordance to building codes.
- 4. Our DPV automatically energizes when the dryer is operated. Our DPV also automatically turns off in the case of a fire.
- 5. Our DPV indicates proper fan operation, via indicator panel, to the dryer operator as well as notifying the dryer operator in the event of a fan failure.
- 6. The included FC 4 Mounting Clamps (#411295) makes for simple install and maintenance. It reduces noise and vibration and it’s easy to remove for cleaning.



UL certified to the DEDPV supplement of **UL705** in US

Certified by CSA to the DEDPV requirements of **C22-2** in Canada

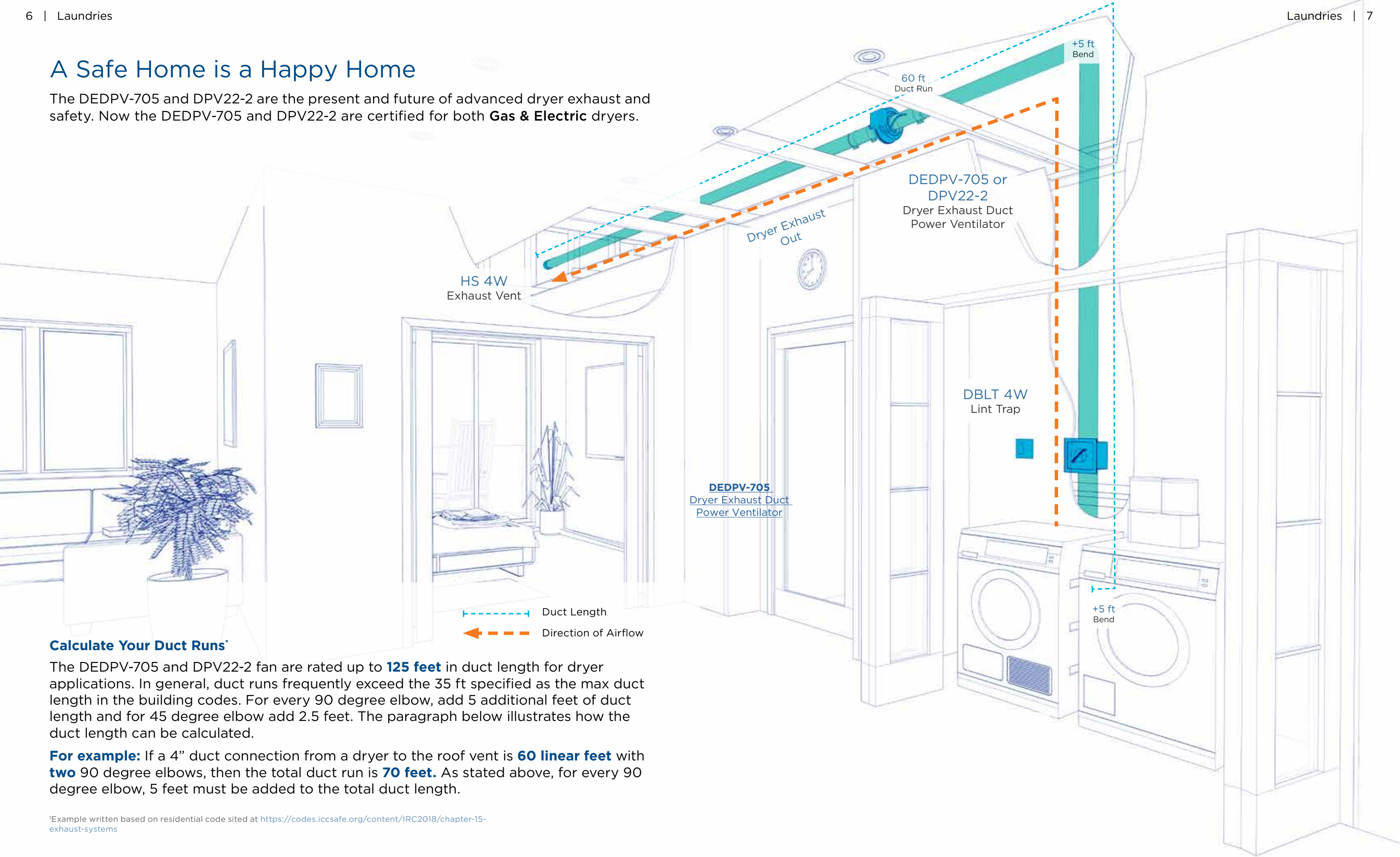
UL-Listed for use with **Gas** and **Electric** clothes dryers

Suitable for duct runs up to **125 linear feet**

Suitable for **high altitude** applications

A Safe Home is a Happy Home

The DEDPV-705 and DPV22-2 are the present and future of advanced dryer exhaust and safety. Now the DEDPV-705 and DPV22-2 are certified for both **Gas & Electric** dryers.



Calculate Your Duct Runs*

The DEDPV-705 and DPV22-2 fan are rated up to **125 feet** in duct length for dryer applications. In general, duct runs frequently exceed the 35 ft specified as the max duct length in the building codes. For every 90 degree elbow, add 5 additional feet of duct length and for 45 degree elbow add 2.5 feet. The paragraph below illustrates how the duct length can be calculated.

For example: If a 4” duct connection from a dryer to the roof vent is **60 linear feet** with **two** 90 degree elbows, then the total duct run is **70 feet**. As stated above, for every 90 degree elbow, 5 feet must be added to the total duct length.

*Example written based on residential code cited at <https://codes.iccsafe.org/content/IRC2018/chapter-15-exhaust-systems>

DBF Series (US only)

Duct Booster Fans

These inline duct boosting fans are pressure activated and suitable for longer duct runs that need an extra boost to get air to its destination.



— Better —

DBF 4XLT



Duct Booster fan with pressure switch, power cord and indicator panel
125' duct length
9 lbs



DBF 4XL

Duct Booster fan with pressure switch and power cord
125' duct length
9 lbs

— Better —



— Good —

DBF 110



Duct Booster fan with pressure switch
108' duct length
9 lbs

Go the extra mile

No matter how you're mitigating dryer exhaust, we recommend going the extra mile by installing a secondary lint trap which extends the maintenance cycle of cleaning out the exhaust duct.

DBLT 4W
Lint Trap



Did you know?



According to the National Fire Prevention Association (NFPA)

..that the leading cause of home fires is from lint ignition in the dryer or dryer duct?

A DEDPV-705, DPV22-2 or Dryer Exhaust Fan maintains an airflow that keeps lint suspended while exhausting it to the outside, thereby reducing the risk of fire.

..that Spontaneous Combustion can occur in the dryer after the dryer stops due to high heat and no airflow?

The DEDPV-705 and DPV22-2 continues to operate for a short period of time after the dryer stops which cools the clothes and lessens the risk of spontaneous combustion.

..that dryers don't have an indicator to tell if there is a build up of lint in the duct?

A safety feature of the DEDPV-705, DPV 22-2, and DBF4XLT is a visual indicator panel. This provides the user with a visual indication of correct operation or indication of a pressure increase due to a blocked duct. This advanced warning allows the user to take action to clean the dryer exhaust duct.

..that most dryers are limited to a duct run of 35'?

Using the DEDPV-705, DPV 22-2, or Dryer Exhaust Duct Power Ventilators, can increase the duct run up to 125 feet, as the fan relieves the pressure in the extended duct allowing the dryer to work efficiently.





Portfolio of Case Studies

VIDA at Daybreak

Architect: Newtown Residential
Location: South Jordan UT, USA

The Vida at Daybreak, a multi-family apartment building in South Jordan, Utah, opened its doors in early 2021. Offering 1-, 2-, and 3-bedroom floor plans, Vida boasts an array of amenities, including a resort-style pool, fitness center, yoga studio, and EV charging stations, all in a vibrant community near Salt Lake City. With access to scenic landscapes and modern conveniences, Vida at Daybreak presents an ideal living environment for its residents.

Safety is a top priority at Vida, particularly concerning laundry facilities. Each apartment is equipped with DEDPV dryer exhaust ventilators, ensuring effective airflow through longer duct runs, reducing lint build up, and minimizing the risk of dryer fires. This solution not only meets building codes but also provides peace of mind for tenants.



The Duke

Architect: Acton Ostry Architects
Location: Vancouver, BC, Canada

The City of Vancouver's housing policies, aimed at addressing affordability and urban density, allow for taller, denser developments in exchange for long-term rental commitments. One example is The Duke, a 14-storey mixed-use development with 12 storeys of residential rental units and a commercial podium. To achieve the required density while maintaining economic viability, the design pushes living units to the lot's perimeter, creating a central open-air atrium. This innovative layout not only maximizes space but also encourages social interaction through communal terraces and rooftop amenities, blending modern urban living with community engagement.

For such a dense residential building, ensuring safety, particularly in laundry exhaust systems, is paramount. The Duke's engineers selected DPV22-2 duct power ventilator for each unit's laundry room, essential for units with extended dryer duct runs that exceed 35 feet. This CSA-certified ventilator is designed to meet stringent safety standards, helping to significantly reduce the risk of dryer fires. By utilizing the DPV22-2, the building's owners and residents can be confident in the system's reliability and adherence to fire codes.

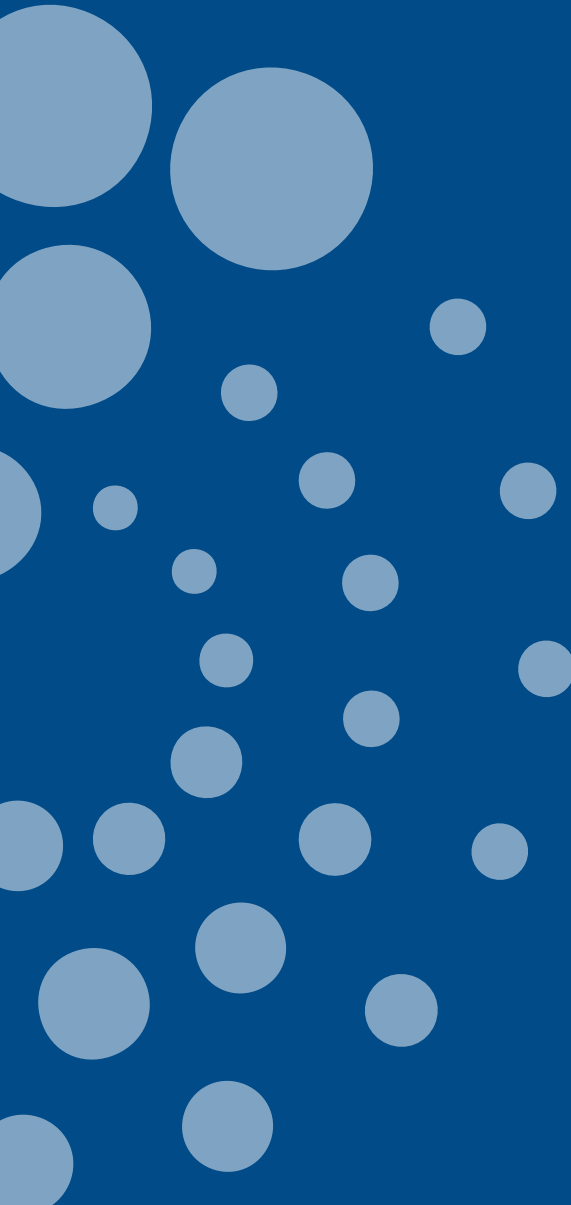


The New American Home

Architect: Sun West Custom Homes
Location: Henderson, NV, USA

The New American Home (TNAH) is an annual showcase for cutting-edge home building innovations, debuting at the International Builders' Show. This 6,428-square-foot luxury home in Henderson, Nevada, is designed for energy efficiency and wellness. Featuring a Zoned Comfort Solutions® HVAC system from Mitsubishi Electric, the home optimizes comfort and energy use across 10 zones. The HERO® fresh air appliance also contributes to indoor air quality by ensuring continuous fresh air exchange in the living spaces.

A key safety feature in the home's laundry system is DEDPV-705 Dryer Exhaust Duct Power Ventilator. This advanced ventilator enhances dryer performance by ensuring airflow through longer duct runs, which minimizes the risk of lint buildup and reduces fire hazards. By including the DEDPV-705, the home combines luxury with high-performance safety standards.

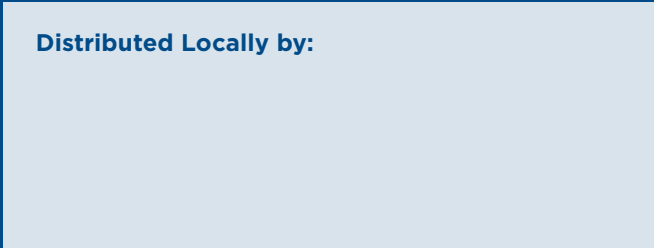


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