

Panasonic

**IS IT TIME TO
TERMINATE YOUR EXISTING
SOFFIT VENT SUPPLIER?**



EZSoffitVent™

Panasonic solved the noisy fan problem with our Whisper line of quiet fans. Onto the next solution; duct end terminations. When consumers talk about a noisy fan, we often find the conversation leads to installation conditions.

While the resolution is sometimes as simple as rotating the fan housing so the duct does not do a 180° at the outlet, we often discover that an inferior duct end termination has been employed and must be replaced before the fan can work properly.

The problem with duct end terminations in general is that they are all over the chart when it comes to the amount of fan power it takes to push air through the device. It is a challenge with all types of terminations, but let's take a closer look at soffit vents and their impact on an installation.

THE TESTING PROCESS

Thirteen 4" soffit termination fittings were purchased from the open market and tested:

- Panasonic 3 speed DC motor fan: (50, 80, 110 cfm)
- 8' of 4" insulated flex duct
- Calibrated dual channel digital manometer
- 2 pressure taps: 1 for total system static pressure (green hose) and one for fitting pressure drop (red hose)

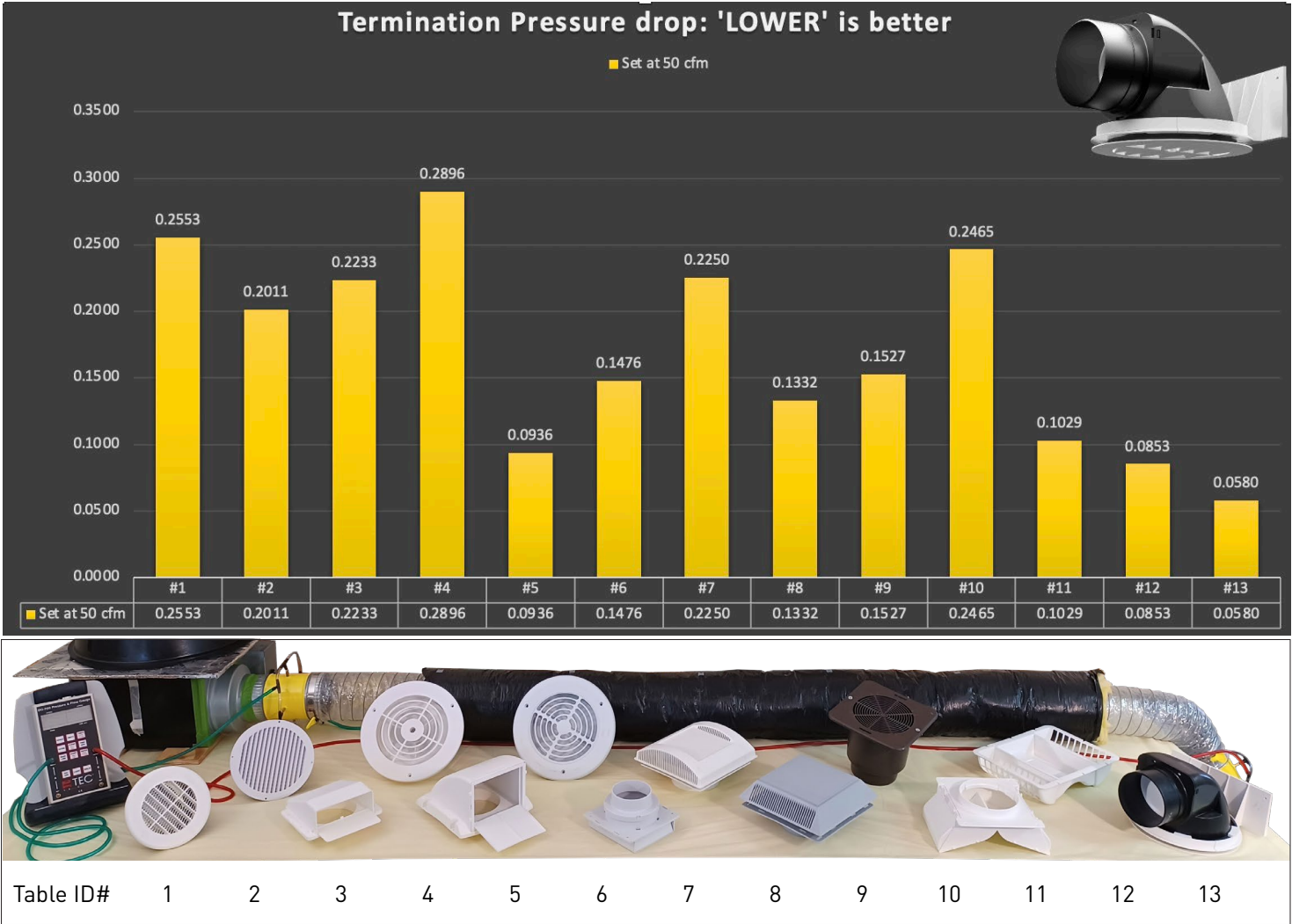


NOTE: All results are shown using ideal ductwork and do not show the significant impact of ductwork as 'typically' installed when using soffit mounted, top connection fittings. *Testing completed by: Home Building Technology Services, LLC – Kaukauna, WI – 920-766-7578 – Joe Nagan – jnaganbiz@gmail.com*

Each termination fitting was tested at each of the fan's three airflow settings. The goal was to use a representative system configuration and quantify the associated pressure drop of each fitting. Below are the results of the testing.

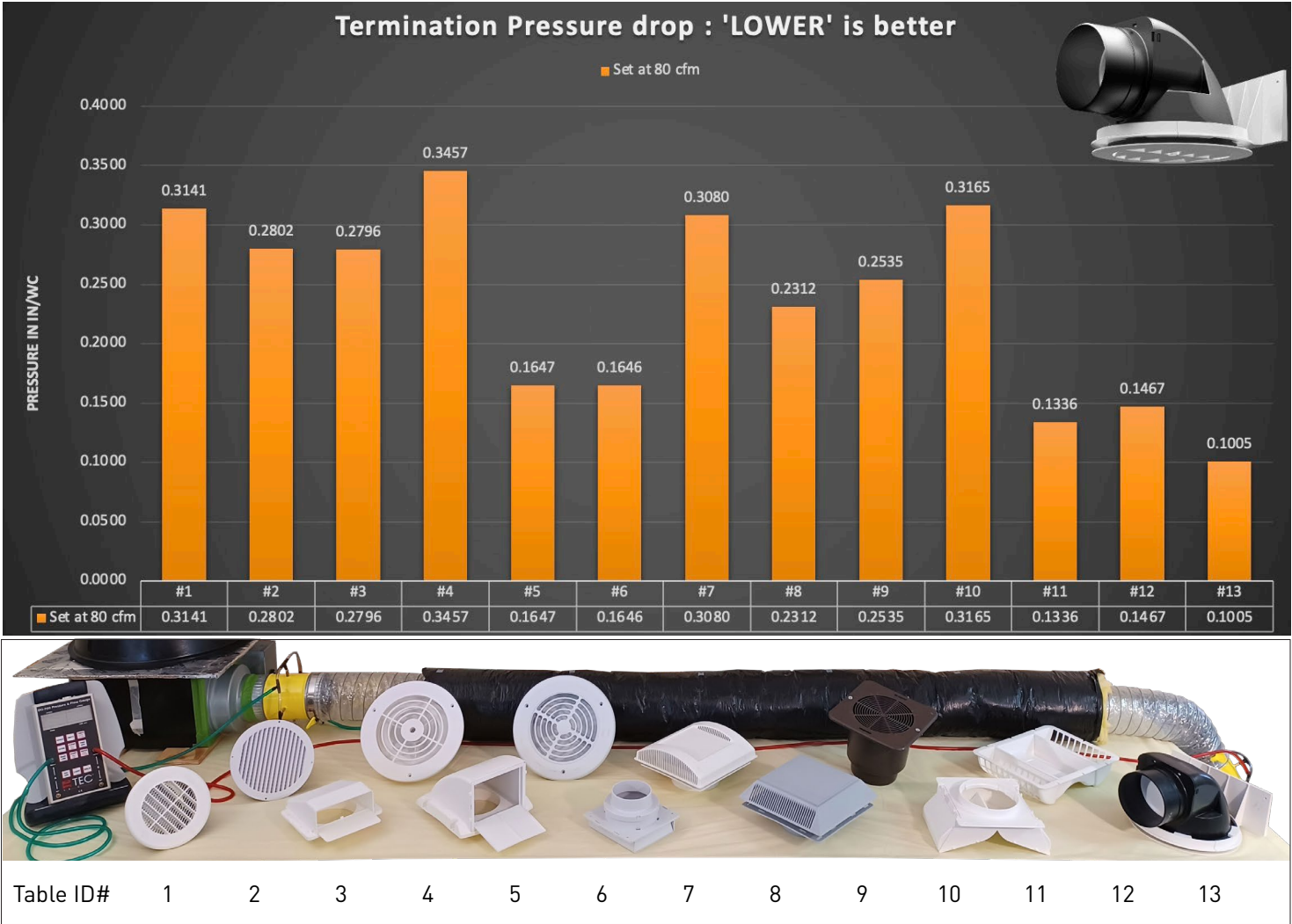
FAN AIRFLOW SETTING AT 50 CFM

EZSoffitVent™: Because Installed Performance Matters



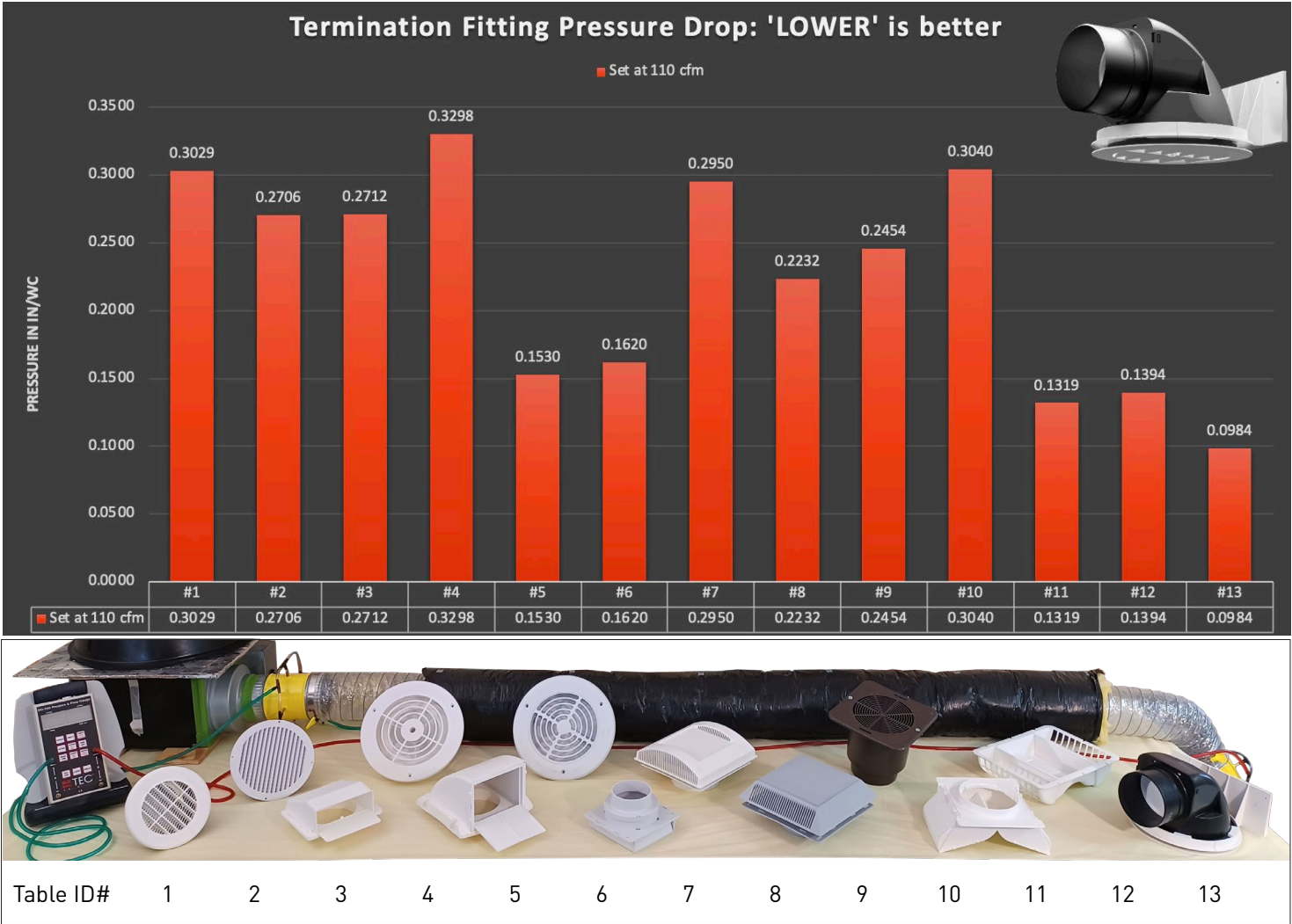
FAN AIRFLOW SETTING AT 80 CFM

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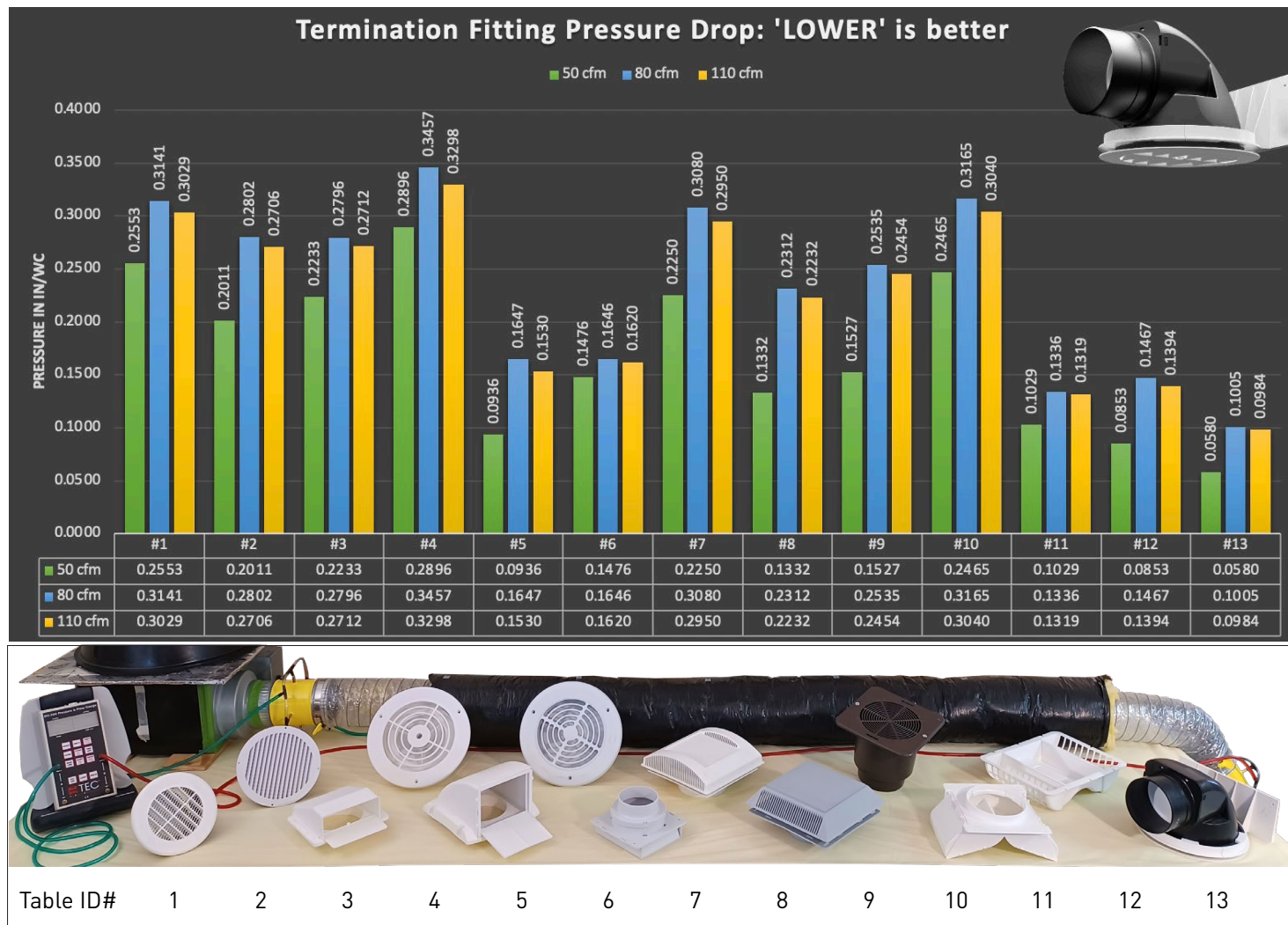
FAN AIRFLOW SETTING AT 110 CFM

EZSoffitVent™: Because Installed Performance Matters



SUMMARY

EZSoffitVent™: Because Installed Performance Matters



NOTE: Products used and shown in this test document are intentionally not identified by manufacturer, brand, or model number other than #13. There may be very similar products available from various manufacturers and offered under different brands and/or trade names.

REFERENCE INFORMATION

1. Designed as a PROFESSIONAL GRADE CONTRACTOR PRODUCT with installer friendly features designed to reduce labor costs
 - EZSoffitVent is designed so that it can be installed PRE-SOFFIT to avoid trying to mount it to the exceptionally lightweight aluminum soffit.
 - Designed for new construction installation or anytime the overhang is open. (Remodeling or with soffit opened up)
 - EZSoffitVent was designed with input by Building Industry members: (Builders, HVAC Contractors, Electricians and Siding Contractors)
2. EZSoffitVent is the only soffit termination Home Ventilation Institute (HVI) certified (first ever: HVI.org section 2)
 - EZSoffitVent is designed and certified for maximum air flow performance!
 - Test data clearly shows the superior LOW RESISTANCE of EZSoffitVent especially compared to all other units on the market!
 - Airflow is critical in order to remove unwanted interior moisture to avoid related callbacks for Builders and problems for Home Owners
 - EZSoffitVent discharges 100% of the moist discharge air away from the home to avoid moisture entry into attic

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