

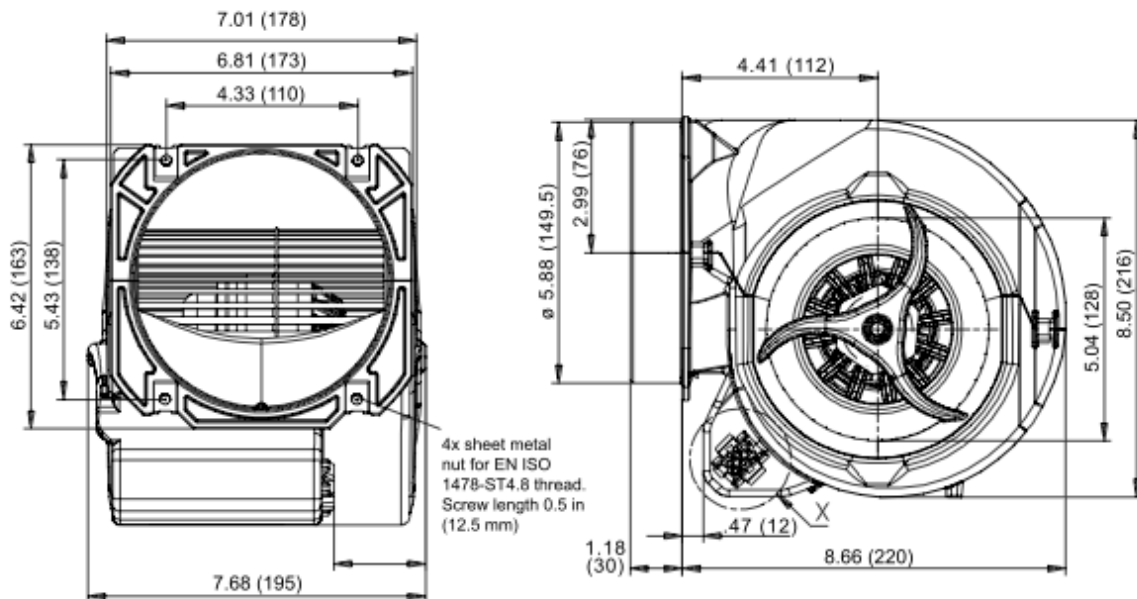
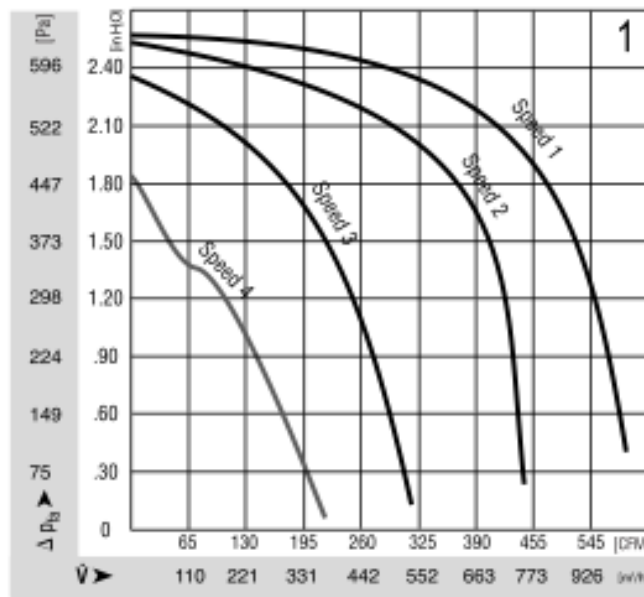


Internal 600 Cfm Blower Specs

Blower supplied in range hood using Speed 1 (582 cfm)
 VAC 115 Amps 3.2

Internal 1200 Cfm uses two (2) blowers
 VAC 115 Amps 6.4

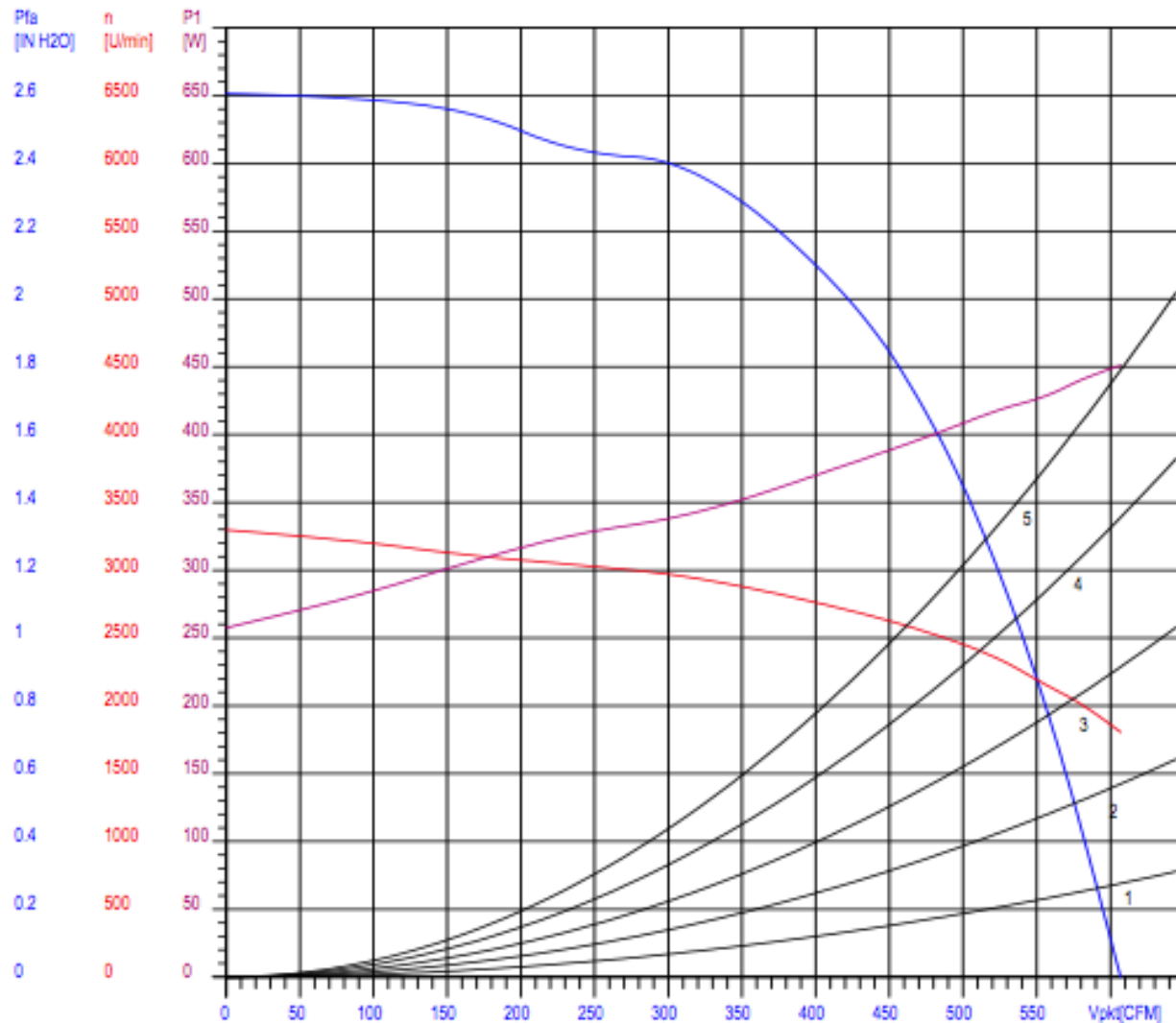
Curve	CFM @ 0	VAC	Hertz	Power (W)	dBA	Max Amb. Temp C
1	582	115	60	455	63	50



APPLICATION NOTE

Subject: Effect of pressure loss versus duct length

Summary: When long ducts are needed to vent air there are losses due to friction. In the below graph, 5 resistance curves are shown. Each resistance curve represents a 10 foot section of 6-inch duct where 1 represents 10 feet and 5 being 50 feet of duct.



Conclusion: As seen in the above graph, even when long ductwork is used, minimal loss in air flow occurs due to the high back pressure capabilities of the blower.

10' of 6" ducting = 590cfm
20' of 6" ducting = 575cfm
30' of 6" ducting = 560cfm
40' of 6" ducting = 535cfm
50' of 6" ducting = 520cfm

Modern-Aire recommends the use of 8" round ducting with 600 cfm blowers and 10" round ducting with 1200 cfm. The static pressure within the duct is reduced using larger ducting causing much less cfm loss within the same length of ducting. The numbers shown are for the single 600 cfm blower using the smallest approved duct size.