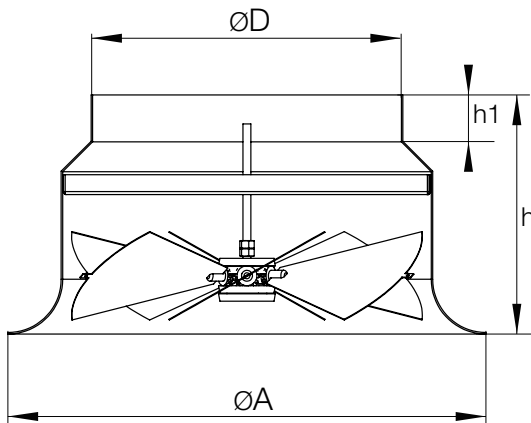
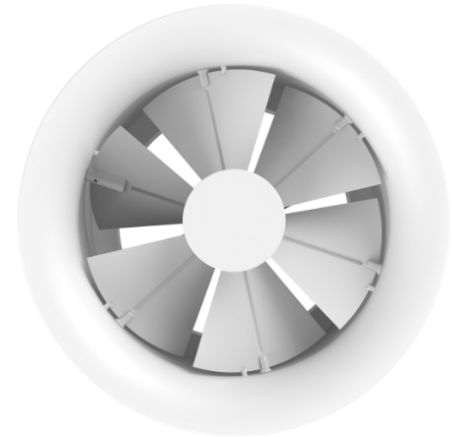




VSD-XX
Variable Swirl Diffuser

Application and Design

Variable Swirl Diffuser (VSD) is a device installed at the end of ductwork to distribute conditioned air in a “swirl pattern” throughout a room using adjustable blade angles. “Swirl pattern” distribution is ideal for mixing conditioned air with existing room air, resulting in enhanced indoor air quality and helping to achieve air change effectiveness measure. VSD units are designed for high induction requirements: specifically room heights between 13’ (ft) to 33’ (ft).



SIZE (inch)	øD (inch)	øA (inch)	h (inch)	h1 (inch)
10"	9.76"	16.42"	9.06"	1.57"
12.5"	12.32"	19.33"	9.84"	1.57"
16"	15.67"	24.21"	10.43"	1.97"
20"	19.61"	31.26"	12.60"	1.97"
25"	24.72"	36.81"	14.57"	1.57"

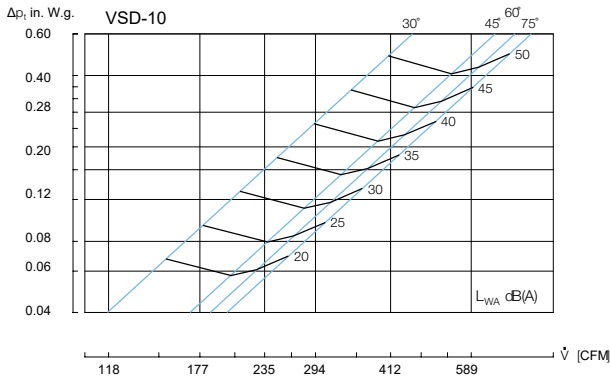
ACTUATOR OPTIONS
Thermal
2-Position
Floating Point
Modulating 2-10 VDC

Quantity	Option	Notes
PROJECT	LOCATION	
CONTRACTOR	DESIGN SPECIFIER	

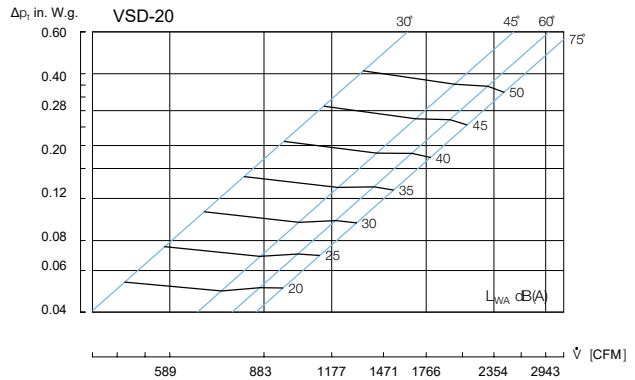


VSD-XX
Variable Swirl Diffuser

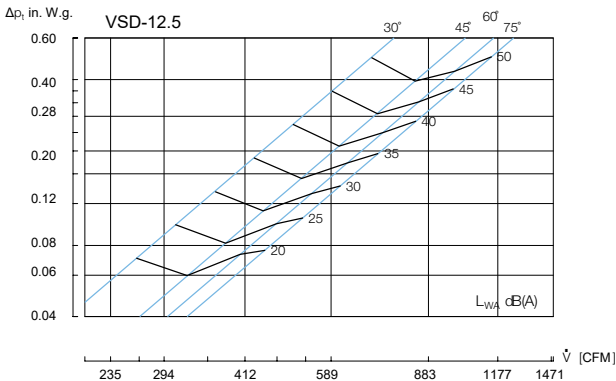
Sound and Pressure Drop



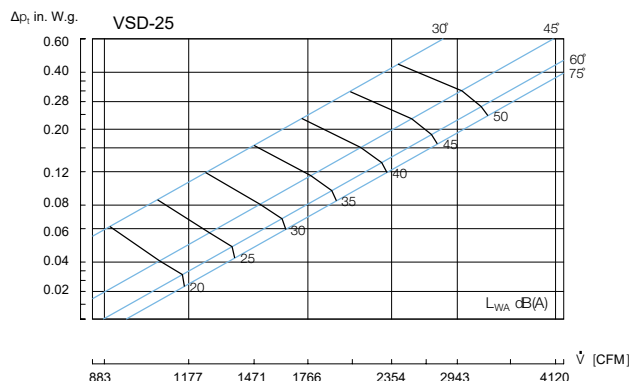
Hz	63	1252	50	5001	K2	K4	K8	K
K _{sk}	71	-2	-2	-4	-9	-18	21	



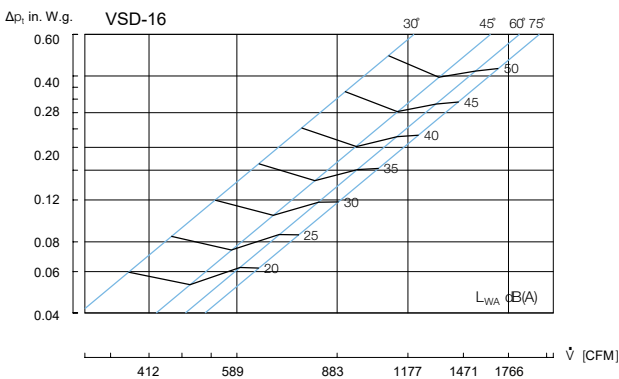
Hz	63	1252	50	5001	K2	K4	K8	K
K _{sk}	12	1-	2-	1-	4-	12	-20	22



Hz	63	1252	50	5001	K2	K4	K8	K
K _{sk}	10	2-	1-	3-	4-	10	-17	21



Hz	63	1252	50	5001	K2	K4	K8	K
K _{sk}	15	50	-2	-5	-12	18	-22	



Hz	63	1252	50	5001	K2	K4	K8	K
K _{sk}	12	1-	2-	2-	3-	13	-20	23