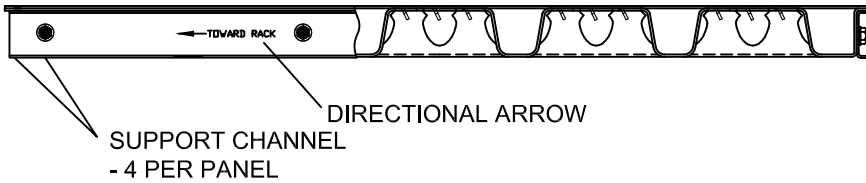
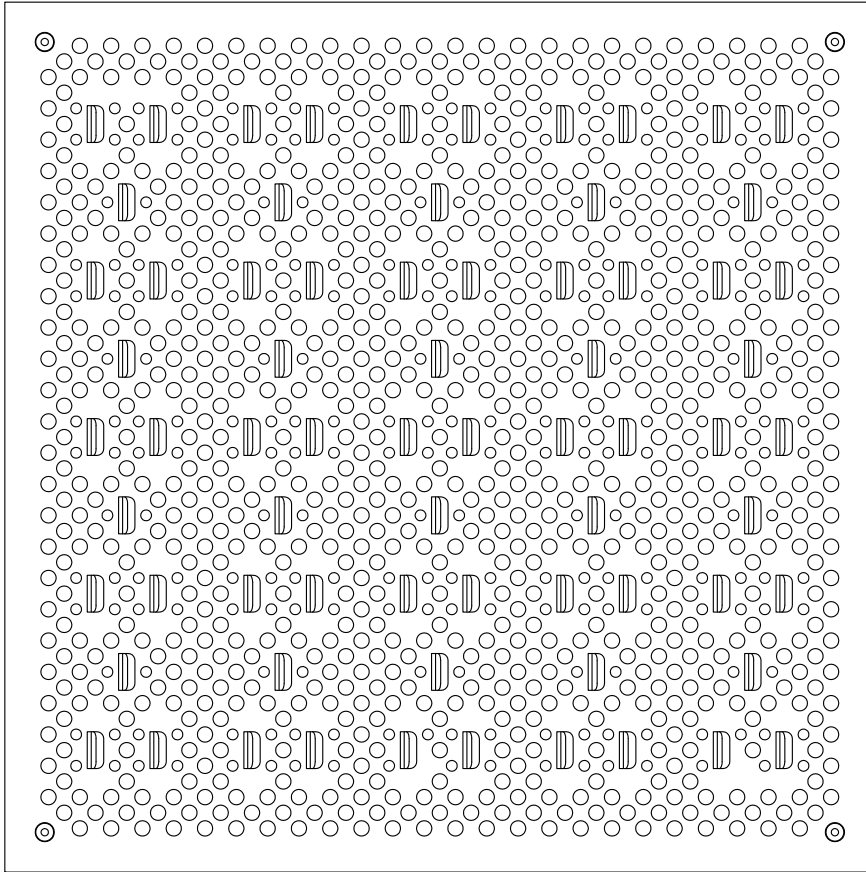


**RACK
FACE**



SPECIFICATIONS

General information

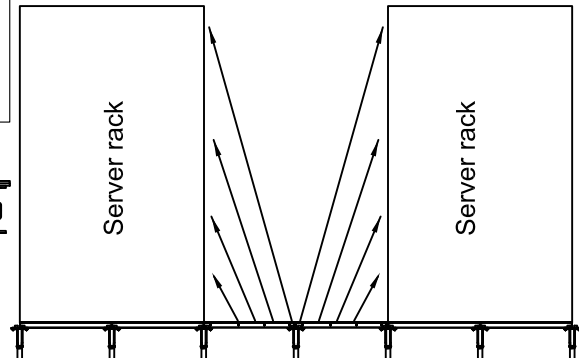
- 25% open area.
- 60cm square all steel construction.
- Concentrated load rating up to 3.0 kN
- Protected from corrosion by anti-static powder coat finish - 25,000 to 20,000,000 ohms when tested at 500 volts per NFPA 99
- Patented intermingled airflow vanes for directional airflow
- Class A flame spread rating.
- Non-combustible material.
- Directional airflow for 93% capture index
- Anti-static SparkLite White powder coat

UNDERSTRUCTURE OPTIONS

- Panel is designed with side channels to fit Kingspan Freestanding systems or Heavy Duty bolted stringer systems or equivalent. Side channels are available in a variety of heights to match adjacent solid panels. Minimum height is 35.5mm.

AIRFLOW CONTROL OPTIONS

- Slide Damper (factory mounted)



Directional Airflow for Maximum Air Capture

Airflow Performance									
Total Volume (l/s)		50	100	150	200	250	300	350	Capture Index
ΔP Static Pressure (Pa)	No Damper	< 1.0	1.8	4.2	7.7	12.3	18.0	25.0	93%
	Slide Damper 100% Open	< 1.0	3.0	7.2	13.3	21.4	31.6	44.0	
	Slide Damper 0% Open	55.9	> 70	> 70	> 70	> 70	> 70	> 70	
Jet Velocity (m/s)		0.56	1.11	1.67	2.22	2.78	3.33	3.89	-

Load Performance Per EN 13264									
Airflow Panel	Understructure	System Weight (kg/m ²)	EN Class	Static Loads (kN)				Rolling Load (kN)	Impact Loads (kg)
				Concentrated Load (kN)	Safety Factor (kN)	4 Point Concentrated Load (kN)	4 Point Safety Factor (kN)		
KS-DPERF 25%	Without Stringer	28.5	Medium	3.0	9.0	-	-	2.0	40.0
	With Stringer	33.5							

FULL HARD COLD
ROLLED STEEL
TOP SHEET

HOT DIPPED GALVANIZED
DAMPER

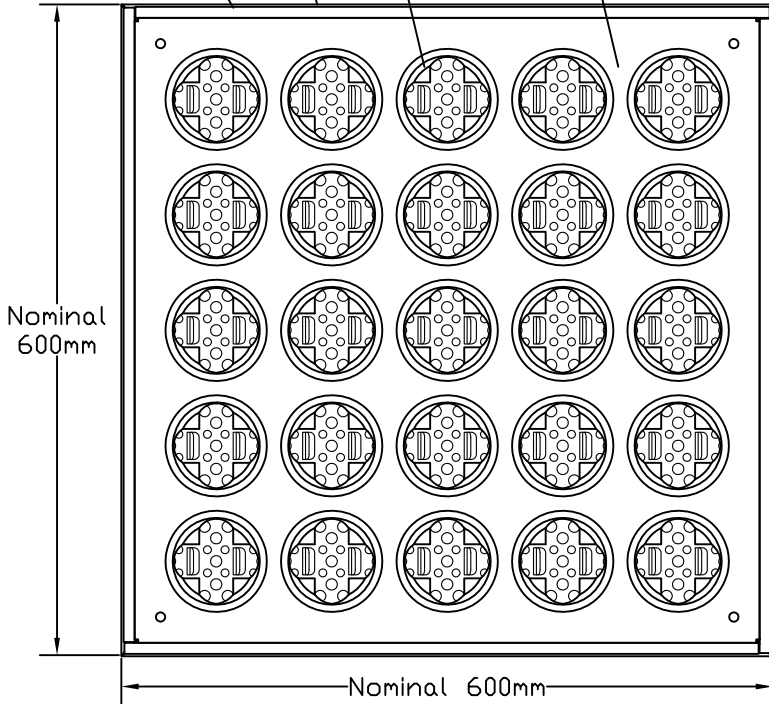
DAMPER ADJUSTS FROM TOP
WITH ALLEN WRENCH

SUPPORT CHANNEL
- 4 PER PANEL

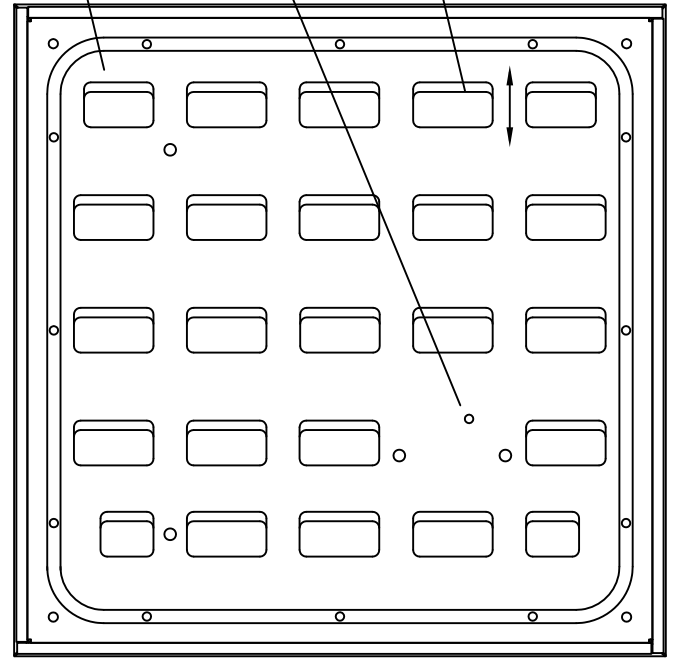
POWDER COAT FINISH
INSIDE & OUT

DRAW QUALITY STEEL
BOTTOM PAN

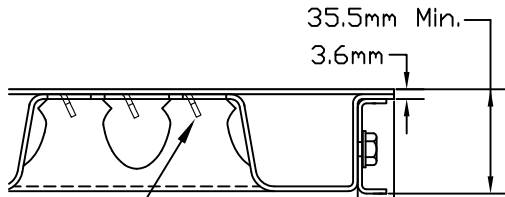
INTERNAL DAMPER SHEET SLIDES
TO OPEN AND CLOSE DAMPER



BOTTOM VIEW



**BOTTOM VIEW WITH FACTORY
MOUNTED SLIDE DAMPER**



DIRECTIONAL
VANES

12.7mm

35.5mm Min.

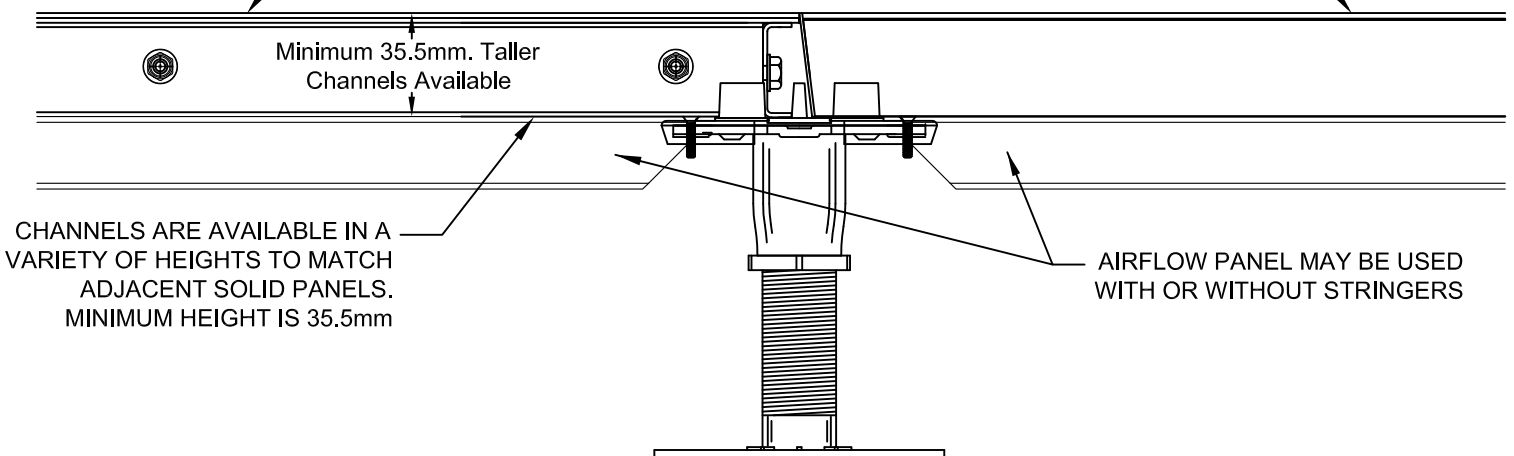
3.6mm

KS-DPERF 25% AIRFLOW PANEL



**SIDE VIEW WITH FACTORY
MOUNTED SLIDE DAMPER**

SOLID WOODCORE OR CALCIUM
SULPHATE PANEL



CHANNELS ARE AVAILABLE IN A
VARIETY OF HEIGHTS TO MATCH
ADJACENT SOLID PANELS.
MINIMUM HEIGHT IS 35.5mm

AIRFLOW PANEL MAY BE USED
WITH OR WITHOUT STRINGERS