

HIGH SPEED ALUMINUM SHUTTER

HSAS



Delta Tech Group



Delta Technology Pte Ltd

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HIGH SPEED ALUMINIUM SHUTTER

Under our Delta Technology, the High Speed Aluminium Shutter (HSAS) uses double helix rail to coil up the shutter quietly and smoothly. The HSAS is able to operate at high speed of 1.2m/s for opening and 0.6m/s for closing. The HSAS is made up of aluminium extruded panels which are corrosion resistant. These panels are also infilled with insulation materials to reduce heat loss.



Distinctive Features



Strong Yet Light



Aluminium has 1/3 density of mild steel, making it light weight



Security



Single Span up to 5m width by 7.5m height, this caters to any large opening.



Thermal Resistance



Has a thermal conductivity of less than $1.7W/(m^2K)$, which makes it thermally insulated



High Speed Operation



Able to operate at a speed of 1.2m/s for opening and 0.6m/s for closing



High Usage Cycle



Has a high usage cycle of up to 100 times daily



Corrosion Resistance



Comes with natural anodised finishing which is excellent corrosion resistance

Material & Finish Details

Part	Material	Additional Coating
Insulation Panel	Aluminum with insulation materials	Natural Anodized
Shutter hood	Infilled Mild Steel	Galvanized, Colourbond or Powder Coated
Side Guide	Mild Steel	Galvanized or Powder Coated

Shutter Specifications

Shutter Operator (Motor)	
Operation Mode	Electrical, AC with manual override hand chain
Power(W)	180W - 1500W
Thermal Overload	100°C
Limit Switch	Built-in upper and lower limit switch

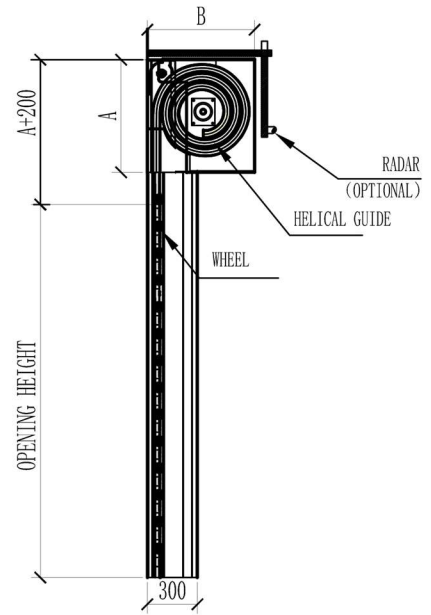
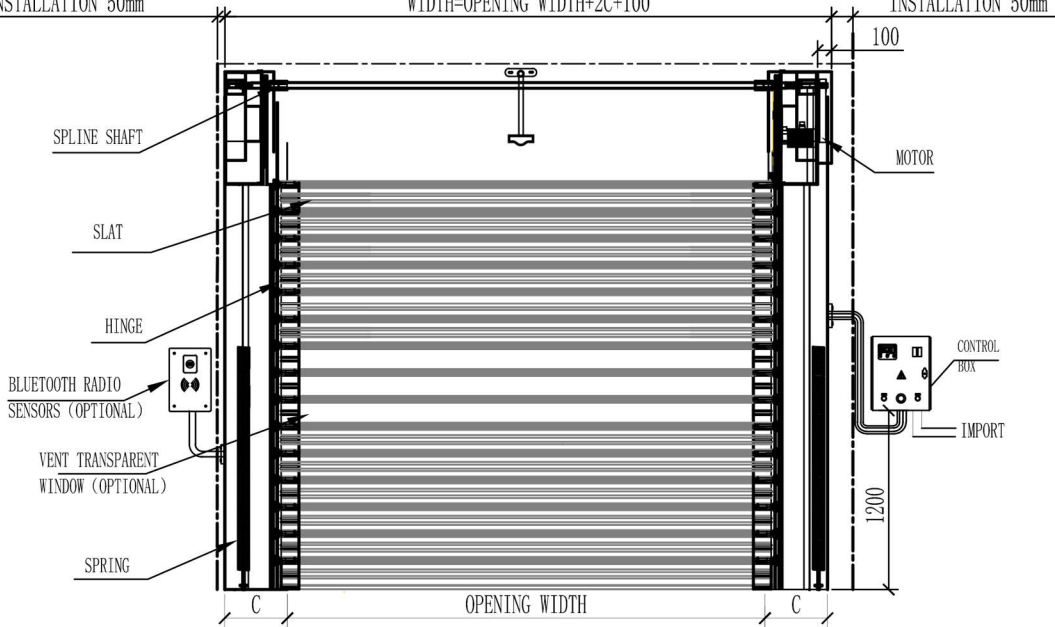
Typical Drawing



RESERVED SPACE FOR INSTALLATION 50mm

WIDTH=OPENING WIDTH+2C+100

RESERVED SPACE FOR INSTALLATION 50mm



HEIGHT		≤3500	≤4500	≤6000	≤6500	HEIGHT		≤3400	≤4700	≤6000	≤7000	≤8000
HFG3000	A	755	830	920	907	HFG8000	A	895	1010	1185	1140	X
	B	780	850	930	975		B	935	1050	1378	1210	X
	C	300	350	350	350		C	350	350	350	350	350

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