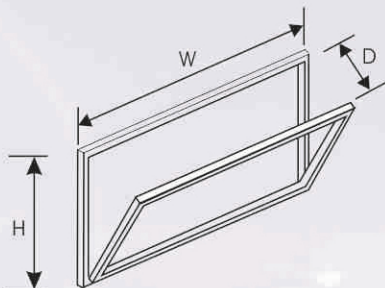


GEOMETRIC AREA



$$\text{Geometric Area} = (W+H) \times D$$

W=Width(m) of the Window

H=Height(m) of the Window

D=Open distance (m) of the Window

AERODYNAMIC AREA

$$\text{Aerodynamic Area} = W \times H \times FC$$

W=Width(m) of the Window

H=Height(m) of the Window

FC=Flow co-efficient

Opening Angle	15	30	45	60	90
FC	0.15	0.45	0.56	0.63	0.67

FIND THE RIGHT ACTUATOR FOR YOUR WINDOW

VERTICAL(TOP OR BOTTOM HINGED WINDOWS)

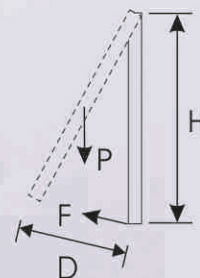
$$F = P/2 \times D/H$$

F=Force(N)required to open the window

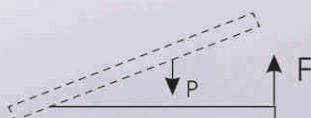
P=Window force(N)

D=Open distance(m) of the Window

H=Height(m) of the Window



HORIZONTAL(SKYLIGHT, ROOF WINDOWS)



$$F = P/2$$

F=Force(N)required to open the window

P=Window force(N)

$$\text{WINDOW FORCE(N)} = \text{Window Weight(kg)} \times 9.8(\text{N/kg})$$

WIND PRESSURE CALCULATION

$$F1 = (H \times W \times P)/2$$

F1(N)=Force on the edge of the window

P(pa)=Wind Pressure requires

