

**BLADE SPECIFICATIONS**

- // Blade cover - opening system \_\_\_\_\_ 169 mm      // Weight per lineal metre \_\_\_\_\_ 1.720 kgm
- // Weight per square metre - opening system \_\_\_\_\_ 10.18 kg/sqm      // Actual blade width \_\_\_\_\_ 180 mm
- // Blade centres - opening system \_\_\_\_\_ 169 mm

**SPANS AT A GLANCE**

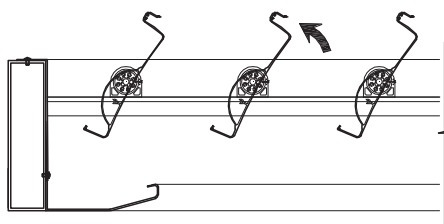
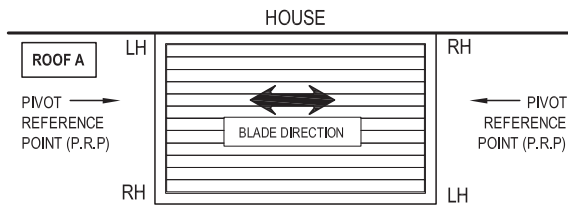
Important: Refer to page section 10 for engineering details. Factors such as climate, terrain, shielding, location, type of structure all contribute to determine spans.

WIND ZONE	INSIDE	LOW	MED	HIGH	VERY HIGH
Factored wind speed at building	Self wt	32m/s-115km/h	37m/s-133km/h	44m/s-158km/h	50m/s-179km/h
Ultimate limit state loads (kPa)		+1.1 & -1.38	+1.48 & -1.85	+2.09 & -2.61	+2.70 & -3.38
180 Classic Opening Roof	4500	3900	3750	3200	2800

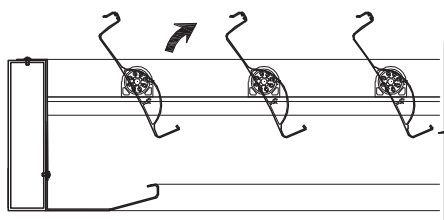
**INSTALLATION OPTIONS**

// **CALCULATE OPTIMUM FRAME OPENING SIZES**

**OPENING DIRECTION OF BLADES**

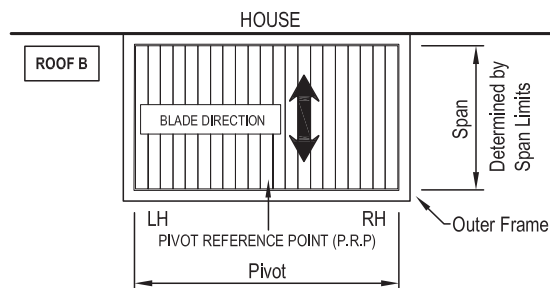


Right hand Up from P.R.P



Left Hand Up from P.R.P

**CALCULATE OPTIMUM FRAME OPENING SIZES**



**P.R.P:** Establish Pivot Reference point (P.R.P)  
There are two options Roof (A) and Roof (B).

**Span:** Check engineering span limits

**Pivot:** Example Calculation showing - 17 Blades

**Step 1**

$$\begin{array}{r}
 16 \text{ blades} \times 169 \text{ (CRS)} = 2704 \\
 1 \text{ blade @ } 180 \text{ (Blade Size)} + 180 \\
 \hline
 17 \text{ blades in total} = 2884
 \end{array}$$

**Step 2**

$$\begin{array}{r}
 \text{Blade Cover} = 2884 \\
 +2/22\text{mm Clearance @ ends} = 44 \\
 \hline
 \text{Total exact pivot length} = 2928\text{mm}
 \end{array}$$

- 150mm Wide internal gutter provides cover if clearance increases over 22mm at ends

- Blade direction either Right Hand up or Left Hand up.