

Draper's Omega™ Venetian Blinds are one of the most flexible shading systems available. They can be installed on the interior or exterior as well as in double façades. They have one of the lowest shading coefficients of any system, reducing the solar energy that gets into a building by as much as 92%, therefore significantly reducing energy costs for cooling. With Omega venetian blinds, the slats can be tilted as required to provide effective solar control or can be retracted completely if there is no sun on the façade.

The Omega venetian blind system has excellent view through when the slats are in the horizontal or partially tilted position and provides glare control as the slats are tilted to prevent direct sun penetration. The slats in an Omega venetian blind system are physically connected to the ladder braid using a double omega connection to ensure that the system is stable in the wind and that the slats do not flutter.

Omega venetian blinds handle wind loads up to a maximum speed of 38 mph (61km). Motorized exterior systems are equipped with an anemometer control system to automatically retract the blinds if the wind speed exceeds the maximum allowable value. Blinds can also be automatically deployed, tilted and retracted in response to the sun conditions in order to provide optimum solar control.

Key Features

- Range of slat sizes available:
 - 50mm (1¹⁵/₁₆" flexible
 - 60mm (2³/₈" flexible
 - 60mm (2³/₈" rolled edge
 - 80mm (3¹/₈" flexible
 - 80mm (3¹/₈" rolled edge
 - 100mm (3⁷/₈" flexible
 - 150mm (5⁷/₈" flexible
- Solid and perforated slats available. Perforation options—Full perforation, highway perforation, half perforation, 30°/60° triangular pitch with 3.8%, 6% and 9.2% openness factors
- Manual or motorized operation
- Blind widths up to 490cm (16'1") and drops of up to 850cm (27'10") are possible
- Small stacking height, particularly with larger flexible slat sizes
- Robust construction, developed specifically for exterior installation

Key Benefits

- System can be used on the interior, in a double façade or on the exterior
- Appropriate for all building orientations
- Fully retractable when not required
- Adjustable slat angles to prevent direct sun penetration, whatever the sun angle
- Daylighting options available—slats installed upside down

For more information on this product visit:
www.draperinc.com/go/Omega.htm



Key Benefits (continued)

- Double Omega slat connection to the ladder braid reduces slat vibration in the wind
- Automatic controls available for optimum solar control, cutting solar gains by more than 90% and reducing HVAC requirements

Parameter/System Type	Omega	Omega L	Omega XL
Minimum Width: Manual	47cm / 18.5"	47cm / 18.5"	47cm / 18.5"
Minimum Width: Motorized	55cm / 21.5"	55cm / 21.5"	55cm / 21.5"
Maximum Width	500cm / 16'5"	490cm / 16'1"	490cm / 16'1"
Maximum Drop	720cm / 23'7"	370cm / 12'1"	850cm / 27'10"
Maximum Area - Manual	8.5m ² / 91' ²	8.5m ² / 91' ²	8.5m ² / 91' ²
Maximum Area - Motorized D339	10.5m ² / 113' ²	10.5m ² / 113' ²	10.5m ² / 113' ²
Maximum Area - Motorized D839	18m ² / 193' ²	18m ² / 193' ²	18m ² / 193' ²
Maximum Wind Speed—Tilt To Open	30mph	30mph	30mph
Maximum Wind Speed—Retract	38mph	38mph	38mph



Slat Perforation Options



Full

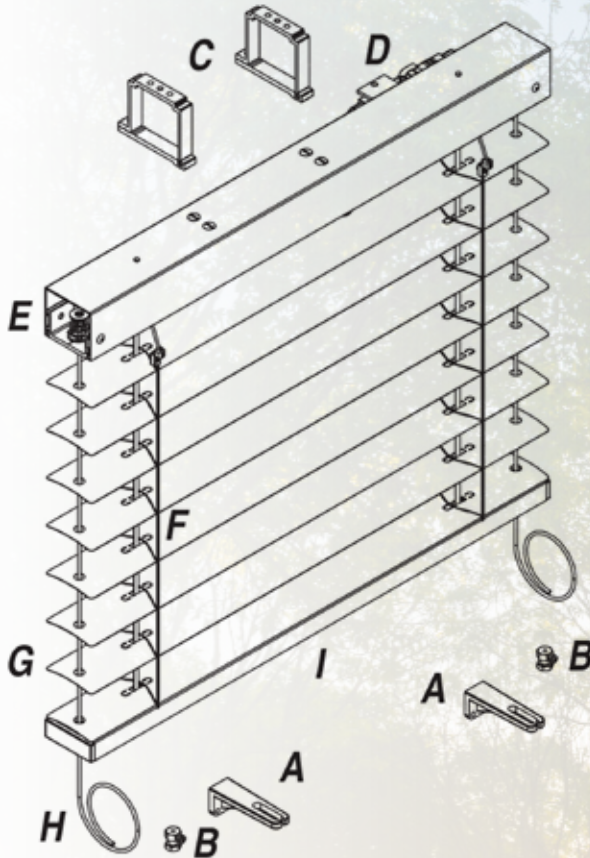
Half

Highway

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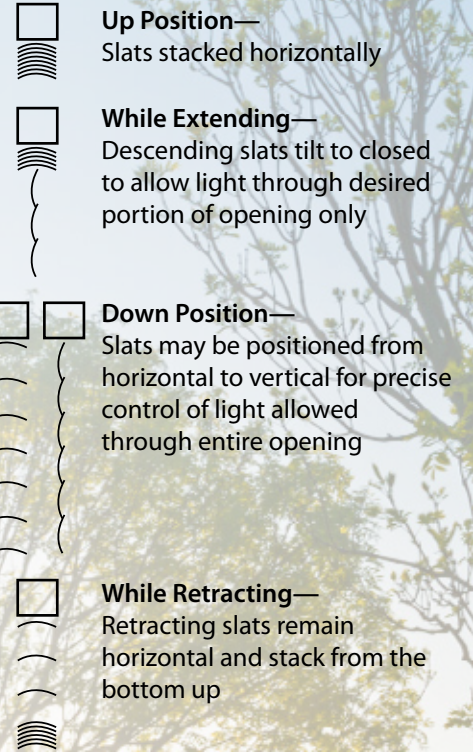
Omega Components



- A—Tension Brackets (2)
- B—Cable Tension Screws (2)
- C—Swivel Brackets (2)
- D—Motor/Disconnect Plug
- E—Head Rail Assembly
- F—Ladder and Lifting Tape (2)
- G—Slats
- H—Guiding Cables (2)
- I—Bottom Rail

Please Note: The quantity of mounting brackets, ladders, lift tapes, and other items will vary depending on size of the unit. For wider blinds, an intermediate cable guide may also be provided.

Omega Slat Action/Positioning



For our complete library of CAD files on this and other Solar Control Solutions products visit:

<http://www.draperinc.com/SolarControlSolutions/CADfiles.aspx>

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