Omega™ Venetian Blinds

Interior and Exterior Venetian Blinds *by* DRAPER

Please check all appropriate selections and attach room schedule with verified dimensions.

Select Configuration

☐ Omega™ *
☐ Omega L™ *
☐ Omega XL™ *

*For information on the differences, see the "Specifications" section on page 2

Select Installation Location

☐ Interior
☐ Exterior
☐ Between Glass Inside Curtain Wall (Contact Draper for more information)

Select Slat Style and Size

☐ Flexible Crowned
  ☐ 50mm (2")
  ☐ 60mm (2.4")
  ☐ 80mm (3")
  ☐ 100mm (4")
  ☐ 150mm (6")
☐ Rolled Edge
  ☐ 60mm (2.4")
  ☐ 80mm (3")

Select Slat Color

☐ RAL 9006 (Aluminum)
☐ RAL 9016 (Traffic White)
☐ RAL 9007 (Grey Aluminum)
☐ Optional Custom RAL Color: _____

Select Slat Perforation Openness

☐ **None (standard)**
☐ 3.8%
☐ 6%
☐ 9.2%

Select Slat Perforation Pattern

☐ **None (standard)**
☐ Half
☐ Highway
☐ Full

Select Headrail Orientation

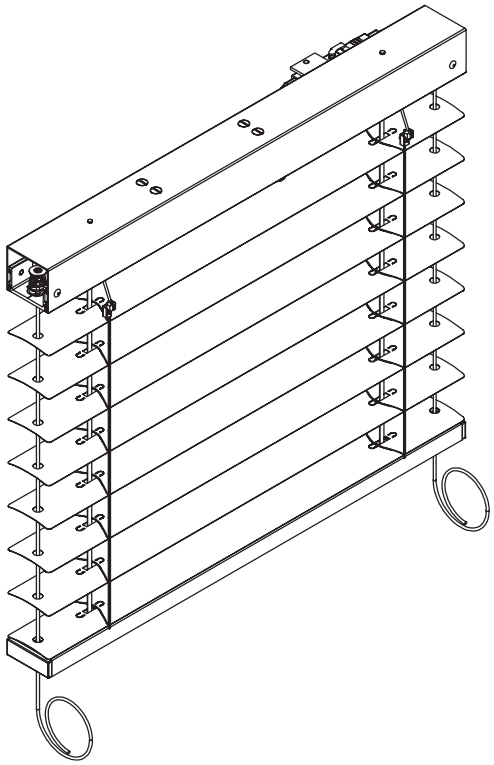
☐ Open at Top (Interior blinds ONLY)
☐ Open at Bottom

Select Mounting

☐ On the face of the window framing
☐ In an aluminum pocket or housing
  Color: _____
☐ To the face or underside of a precast element
☐ To the exposed structural steel
☐ Other (provide details)

Select Side Guides

☐ Perlon
☐ PVC Coated Stainless Steel Wires
☐ Extruded Aluminum Side Channels (Rolled edge slats ONLY)



Select Operator and Control Options

☐ Manual (Gearbox and Crank Handle)
☐ Motorized
  ☐ 110V AC Motor

  Controls

  ☐ BC2
  ☐ SFBC2

  Peripherals

  ☐ Wall Switch
  ☐ Control Point
  ☐ BACnet Router

  Sensors

  ☐ Brightness Sensor (Directionless)
  ☐ Brightness Sensor (Directional)
  ☐ Wind Sensor
  ☐ Combo Sensor

PROJECT: _____

_____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

DRAPER®

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 Form Omega_Blinds_Sub14 Printed in U.S.A.

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*Specification**

Electric Operator: Omega blind motor located inside the extruded aluminum head rail. Motor to provide raise / lower and tilt function. Equipped with a disconnect plug at motor lead. Omega blind motor shall be an asynchronous unit, start and run, single phase type (110V-60 Hz), thermally protected, with a torque rating between 8 and 16 Nm as appropriate and shall be UL listed. Motor shall incorporate output shafts to allow the motor to be located in the center of the head rail with drive shafts extended in both directions. Motor speed shall range from 20 to 35 RPM and draw 1.21 to 1.80 amp as selected by Draper for proper system operation. Motor shall be equipped with externally located limit switches which allow exact control of the raised and lowered blind position, together with a push button safety cut off switch in case the upper limit fails.

Crank Operator: Gear box housing of plastic. Reduction ratio 2:1, with maximum torque of 5Nm.

Mounting Brackets: Standard top-fix swivel-type mounting brackets. Number and spacing of brackets to depend upon the width of the blind and to be advised by the manufacturer. Additional optional angle brackets may be supplied to allow face fixing of the system.

Head Rail: Head rail of extruded aluminium alloy 6063-T6. Blinds up to 23'7" (719 cm) drop: 60 mm ($2^{3}/_{8}$") deep x 54 mm ($2^{1}/_{8}$") tall. Blinds from 23'7" (719 cm) to 32'1" (978 cm) drop: 80 mm ($3^{1}/_{8}$") deep x 75 mm ($2^{15}/_{16}$") tall. Head rail to be open on the underside to give access to the motor and to the tilt shaft and tape spools for maintenance as required. Head rail may optionally be closed on the underside (interior installations only). Head rail may also optionally incorporate "key-hole" slots or similar to allow direct top fixing by means of bolts or screws. Drive shaft to be manufactured from extruded aluminium tube, optionally fitted with sliding couplings at the end to connect adjacent blinds together.

Slats: Slats to be manufactured from 0.30 to 0.5mm thick aluminum with a double stove enameled finish. Colors available: RAL 9006 (Aluminum), RAL 9016 (Traffic White), RAL 9007 (Grey Aluminum). Slat may optionally be perforated. Available openness factors: 3.8%, 6%, and 9.2%. Available perforation patterns: Half, Highway, and Full. Perforation pattern shall be 30/60 degree triangular pitch as standard; other patterns optionally available. Slats to incorporate a 'double omega' punch at each ladder/lift tape location to allow a mechanical attachment on top and bottom of the slats to the ladder to provide stability and to ensure that the lift tape is in the same plane as the ladder tape.

Lifting Tape and Ladder Tape: Lifting tape to be manufactured from terylene and tear resistant up to 110daN. Tape to be 6mm (¼") wide or 10 mm ($^{3}/_{8}$") wide depending on head rail type. Ladder tape to be manufactured from terylene with cross webs that are positively attached to each one of the slats.

Bottom Rail: Bottom rail to be manufactured from extruded aluminum with a 2mm wall thickness and plastic or optional aluminum end pieces.

Side Guides: Three types available: 3-4 mm diameter perlon cables with a tensile strength of 320daN, held by an extruded aluminum bracket or a special clamping bolt; 3-4mm diameter stainless steel cables with a tensile strength of 320daN, held by an extruded aluminum bracket or a special clamping bolt; or extruded aluminum side guide channels (single and/or double, as appropriate) with plastic infill (only to be used with 60mm (2½") and 80mm (3") rolled edge slats).

Aluminum Headbox/Pelmet: Headbox/pelmet to be custom manufactured from aluminium sheet to protect the blinds in the raised position. Height of the headbox/pelmet to be determined by reference to the type of slat and the drop of the blind. Minimum internal depth of the headbox/pelmet to be 60 mm ($2^{3}/_{8}$") greater than the slat width.

Controls: Anemometer wind control required for exterior blinds. Wind control has the highest level of priority and overrides all other methods of operating the blinds. Maximum control parameters: Move slats to open position at 30 mph, Retract slats at 38 mph.

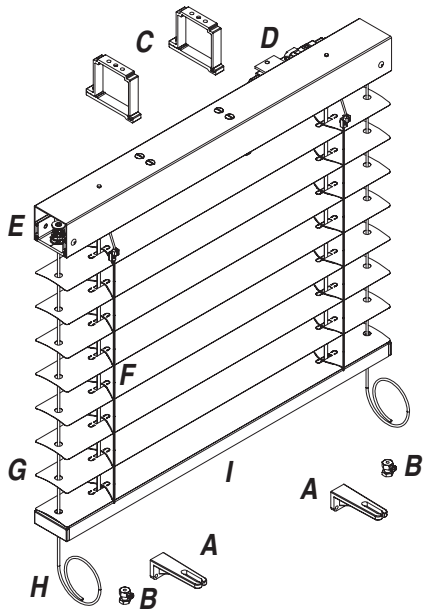
Note on Large sizes: Omega L or Omega XL to be used at manufacturer's discretion depending on size of blinds. Omega L and XL units have larger take-up spools.

A Note on the three types of Omega Venetian Blind:

***Omega** is the standard product detailed here.

***Omega L** features a heavy duty roller with sealed ball bearings and tilt straps and a $^{3}/_{8}$" (10mm) lift tape. Omega L is for exterior use where sand or dust is a potential issue.

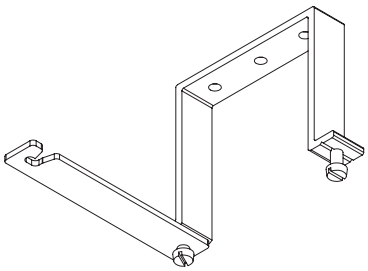
****Omega XL** is for larger blind sizes (maximum drop 32'1"/978 cm), and features the large headrail size: 80 mm ($3^{1}/_{8}$") deep x 75 mm ($2^{15}/_{16}$") tall.



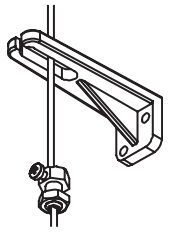
A—Tension Brackets (2)
B—Cable Tension Screws (2)
C—Swivel Brackets (2)
D—Motor/Disconnect Plug
E—Head Rail Assembly
F—Ladder and Lifting Tape (2)
G—Slats
H—Guiding Cables (2)
I—Bottom Rail

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.

Swivel Mounting Bracket



Side Guide Tension Bracket



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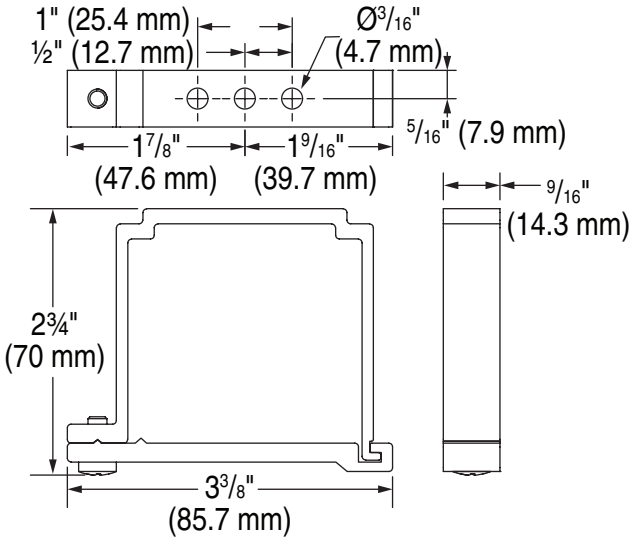
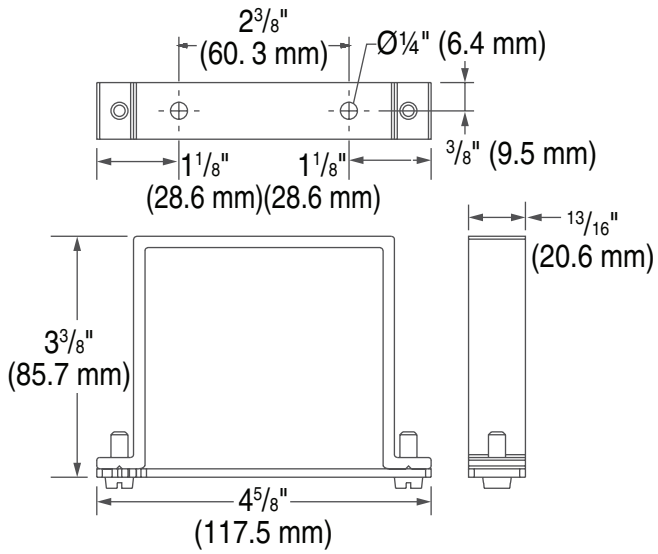
Omega/Omega L Mounting Bracket Dimensions

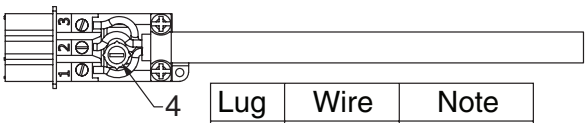


Omega XL Mounting Bracket Dimensions



Disconnect Plug Wiring Diagram

Do not wire motorized units in parallel.



Lug	Wire	Note
1	White	Common
2	Black	Up
3	Red	Down
4	Green	Ground