

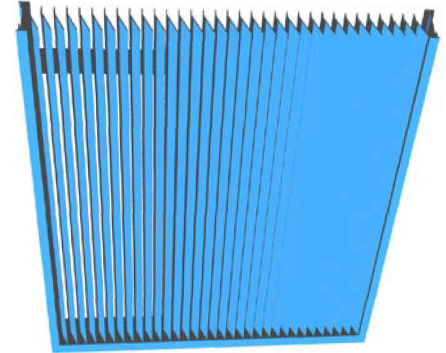
TWYER 1 3/8" (35mm) HIDDEN MULLION LOUVER MODEL TWY110P (VERTICALLY RUNNING BLADES)



TEST DATA:

For a 4 Foot by 4 Foot Unit

- Free area = 9.29 ft² (0.863 m²)
- Percent free area = 58.1%
- Maximum recommended air intake velocity = 700 FPM (3.56 m/s)
Air volume @ 813 FPM free area velocity = 6503 CFM (3.07 m³/s)
Pressure drop @ 813 FPM free area velocity = 0.06 in H₂O (14.9 Pa)
- Maximum recommended air exhaust velocity = 1750 FPM (8.98 m/s)
Air volume @ 1750 FPM free area velocity = 16258 CFM (7.67 m³/s)
Pressure drop @ 1750 FPM free area velocity = 0.35 in H₂O (86.9 Pa)



SUGGESTED SPECIFICATIONS:

GENERAL: Furnish and install where indicated on the drawings TWYER 1 3/8" (35mm) DEEP PERFORMANCE FIXED LOUVER **MODEL TWY110P** as manufactured by TWYER Limited

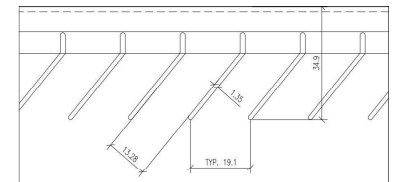
MATERIAL: Frames and blades shall be 6063-T6 aluminum alloy extrusions. All frames to be neatly mitered at corners and reinforced with corner brackets. Material thicknesses shall be as follows: Heads, sills, jambs and mullions: 0.064"(1.63 mm) Fixed blades: 0.064"(1.63 mm) All fasteners shall be aluminum or stainless steel. All louvers to be furnished with 18 x 14 aluminum mesh .123" (.312mm) diameter wire insect screens secured within rolled aluminum frames. Frames to have mitered corners and corner locks. Screens and screen frames to be standard mill finish.

STRUCTURAL DESIGN: Structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than _____ psf (Pascals). Note: If this paragraph is omitted or if the design wind load is not specified, the louvers will be manufactured in self-supporting units up to a maximum of 5' (1524 mm) wide by 8' (2438 mm) high. Any additional structural supports required to adequately secure these units within the opening shall be the responsibility of others.)

TEST DATA: The louver manufacturer shall submit test data on a 4'x 4'(1.22 m x 1.22 m) unit showing that the louver conforms to the following:

Free area:	= 9.29 ft ² (0.863sq.m.)
Intake Pressure drop at 700 fpm free area velocity:	= 0.06 in H ₂ O (14.9 Pa)
Exhaust pressure drop at 1000-fpm (305m/min) free area velocity:	= 0.12 in H ₂ O (29.8 Pa)

FINISH: Louvers shall be finished in PVDF, with minimum thickness as per paintmanufacturer's recommendation. The coating shall meet or exceed all requirements of AAMA specification 2605 "Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels". The Louver manufacturer shall supply an industrystandard 5 year limited warranty upon the date of material shipment. The finish will be applied to the exterior elements only.



PLAN VIEW

TWY110P

Discharge Coefficient
Cd = 0.53 (Class 1)