Robertson

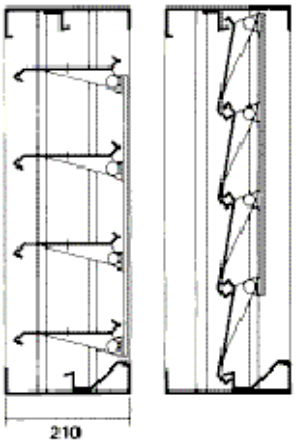
Inlet Louvre Guide

Industrial operating louvres

Series 3000 Type 3200
Series 3000 Type 3300

Coefficient of Discharge:
Type 3200: 0.82
Type 3300: 0.78

Typical Cross Section
Type 3200



Typical Cross Section
Type 3300

TYPE 3200

The increasing heat loads in industrial structures caused by today's huge modern furnaces and other heat producing equipment require greater ventilation exhaust capabilities and in turn more efficient air inlet.

Design Features
Strong and efficient, the Type 3200 Industrial Operating Louvre has up to 85% effective free area opening, with a minimum static pressure drop. The blades are housed in a rugged 2.5 mm thick galvanised steel frame, painted or unpainted, which make it ideally suited to industrial applications. Normal operation is by means of spring and cable, however optional hand or chain wheel, electric motors, or other such methods are available to operate the louvres singly or in banks..

TYPE 3300

Type 3300 Louvres feature rugged, heavy gauge materials, factory controlled fabrication and accurate forming. The materials enable the designer freedom to blend or contrast the louvres with surrounding area.

Design Features
Type 3300 Louvres are designed so that in the fully open position the blades and the hand operating mechanism do not project beyond the louvre joints. When open, the louvres produce minimum pressure drop with good resistance to weather penetration. When fully closed, air infiltration is reduced to a minimum. Louvres are designed for either single louvre application to small openings or, where necessary, multiple louvre application. Louvres may be stacked vertically in banks with suitable supporting steelwork.

Standard Louvre Heights (mm)

No of Intermediate Blades	Standard Height Type 3200	Type 3300
*2	946	-
3	1295	-
4	1645	650
5	1994	800
6	2343	950
7	2692	1100
8	3042	1250
9	-	1400
10	-	1550
11	-	1700
12	-	1850
13	-	2000

NOTE: Standard heights shown give maximum free inlet area, however louvres can be manufactured to suit any opening dimension. Weight (in steel with Standard Operating System) is: Type 3200 = 16kg/m2; Type 3300 = 17.5kg/m2.

* Denotes minimum dimensional limitation