



**Sudhai AirTech Pvt. Ltd.**

Innovating Air Technology

**BROCHURE & IMPORTANT INSTRUCTIONS**



**SUDHAI CYCLONE SS FLP SERIES**

UNIT NO.11, ROAD NO.28, WAGLE INDUSTRIAL ESTATE, THANE, MH 442 301

REG. ADD.: 031-C-II-ID\4\3, HINGANGHAT, WARDHA, MH – 442 301

[info@sudhai.com](mailto:info@sudhai.com)      [www.aircurtainsindia.com](http://www.aircurtainsindia.com)

CIN NO :. U29253MH2014PTC254628

## Sudhai Cyclone Series (Cross-flow blowers)

Model	Dimension (mm)	Air Velocity (m/s)	Air Volume (M3/hr)	Noise (dB)	Max Power HP	Voltage (V)	Frequency (Hz)	Net Weight (Kg)
SCSSF09 (3 Feet)	915 x 280 x 280	14-16	1950	60-65	185	440	50	26
SCSSF10 (1 Meter)	1000 x 280 x 280	14-16	2150	60-65	250	440	50	28
SCSSF12 (4 Feet)	1220 x 280 x 280	14-16	2450	60-65	250	440	50	32
SCSSF15 (5 Feet)	1525 x 280 x 280	14-16	2700	60-65	250	440	50	35
SCSSF18 (6 Feet)	1830 x 280 x 280	14-16	3050	60-65	375	440	50	39
SCSSF20 (2 meter)	2000 x 280 x 280	14-16	3050	60-65	375	440	50	42



**Crompton Motor**

**SS304 Blower for High Air Volume**

- Sturdy look, dissolves nicely with environment
  - Crompton 3 phase Flame proof Motor for long durability.
  - Cross flow blowers producing high air volume.
  - High quality SS304 cross-flow blowers
  - Easy to service & Install
- 
- ✚ Maximum Height Coverable – 8-10 ft.
  - ✚ Sturdy SS 304 housing for minimal vibrations with SS304 grill
  - ✚ Dynamically & Computerized balanced blowers for low friction and low noise
  - ✚ High quality back plate for easy installation and servicing

## **I. UNCRATING THE AIR CURTAIN UNIT**

**Carefully opening the crating making sure that the box is in right position**

**Make sure of the position using the symbols present on the carton**

**Remove the thermacol stuffing and check for the wires and back plates**

### **ACCESSORIES:**

**If the unit(s) were ordered with optional electrical accessories (door switch etc.), the accessories may be found in the carton containing the unit**

**Check all of the cartons/skids for accessories before discarding.**

## **II. MOUNTING INSTRUCTIONS (General)**

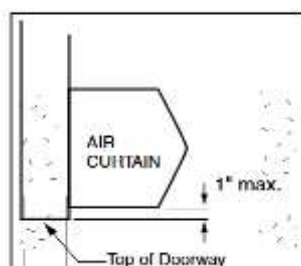
**To achieve optimum protection, the unit should be mounted on the inside of the building, flush to the wall and as close to the top of the door opening as possible. To ensure peak performance, keep air stream free of obstructions.**

**Before mounting the unit, check the supporting structure to verify that it has sufficient load carrying capacity to support the weight of the unit(s). The mounting hardware should be capable of supporting a minimum of three (3) times the weight of the unit.**

**A. When determining the mounting location for the unit(s), make sure that nothing interferes with the curtain of air developed when the discharge vanes are directed downwards toward the door opening.**

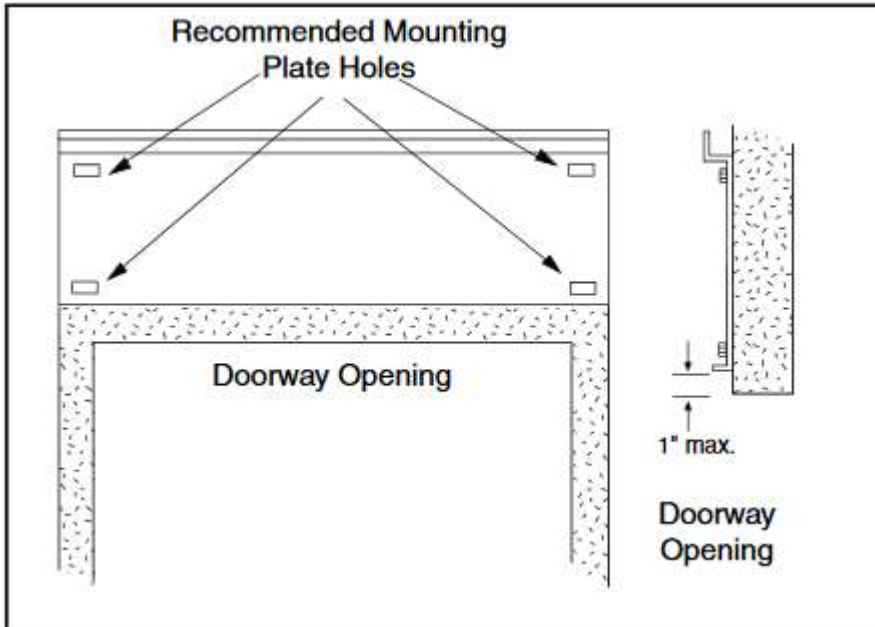
**If the air stream strikes any obstruction (the top edge of the doorway, a door opening device, etc.), the effectiveness of the unit will be greatly reduced.**

**B. For optimum performance, the bottom of the unit (discharge nozzle) should be no more than 1" above the top of the door opening with the unit mounted flush to the wall. Any void between the air curtain and the wall should be sealed along the full length of the unit.**



### III. WALL MOUNTING

**A. Determine the location on the wall above the opening where the air curtain will be mounted. This location should center the unit over the opening and provide suitable mounting support. It is recommended to use at least four locations that correspond to the outer corners of the wall mounting plate.**

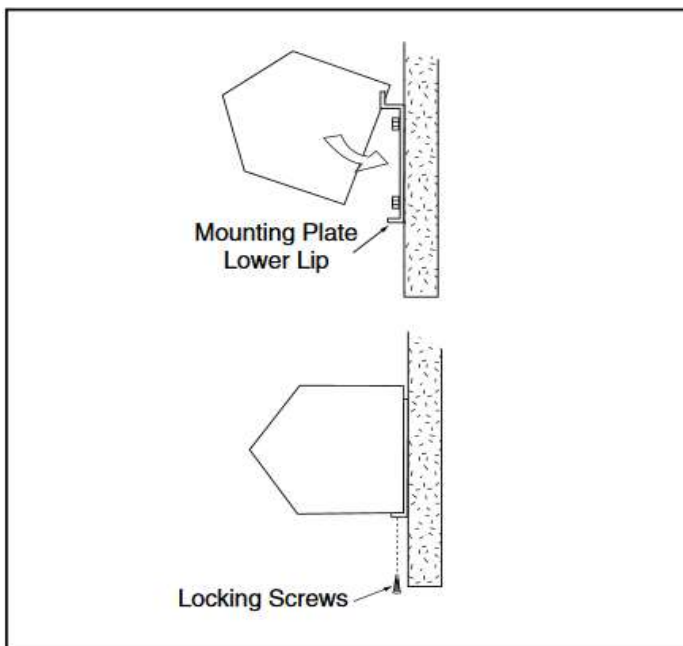


**B. Prepare the wall as necessary for the wall mounting plate anchors.**

**C. Drill holes in the wall mounting plate to correspond to the locations on the wall.**

**D. Anchor the wall mounting plate over the door opening with the mounting tabs pointing upwards.**

**E. Raise the unit over the door (air nozzle facing down) and onto the mounting plate. Tilt the unit upward, matching the holes in the frame with the tabs on the mounting plate.**



**F. Lower the unit into place allowing it to rest on the mounting plate. The unit flange should rest above the mounting plate flange.**

**G. After the unit is securely seated to the mounting plate, install the locking screws along the bottom flange.**

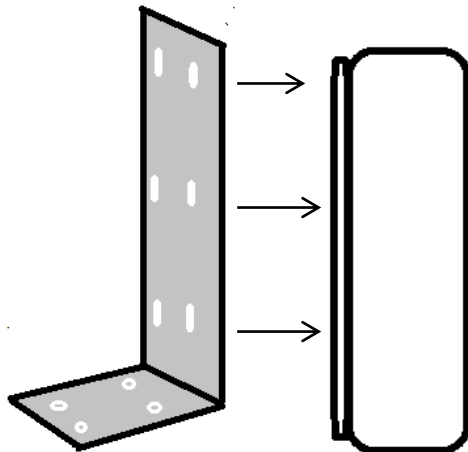
### **III. FLOOR MOUNTING (can be done in special cases)**

**Determine the location on the floor besides the opening where the air curtain will be mounted. This location should corner the unit besides the opening and provide suitable mounting support. It is recommended to use at least four locations that correspond to the outer corners of the wall mounting plate.**

**The L plate bottom has four holes for bolting, which should be properly bolted to the floor to avoid any vibrations.**

**The remaining procedure remains the same as the Air curtain back plate to be attached to this L-Plate as per above mounting instructions.**

**The machine to be installed to the opposite side to the L plate.**



## **XI. WARRANTY**

**Sudhai Airtech Pvt Ltd warrants all new equipment to be free of defects in workmanship and material for a period of one years (1 years) from the original date of shipment, provided the equipment has been properly cared for, installed and operated in accordance with instruction**

**The Company will correct by repair or replacement, at its option and expense, any proven defects in said apparatus, subject to the above conditions, provided that immediate written notice of such defects is given to The Company. Repair or replacement will be made F.O.B. factory with any applicable transportation charges to be borne by the customer. Merchandise not of The Company's manufacture supplied in piece, or in component assemblies, is not covered by the above warranty, but The Company will give the customer the benefit of any adjustment as made with the Manufacturer.**

**This warranty is void if the apparatus has been tampered with in any way or shows evidence of misuse. The Company will not assume any expense or liability for repairs made outside its factory without proper written consent, nor for any transportation charges on apparatus returned to the factory without written authorization by The Company.**

**Nothing in the above warranty provisions, however, shall impose any liability or obligation of any type, nature or description upon Sudhai Airtech if Sudhai has not received payment in full for the apparatus in question.**

### **LIMITATION OF DAMAGES**

**Notwithstanding anything to the contrary above, customer's exclusive remedy for any and all losses or damages resulting from the sale of The Company's equipment under this agreement, including but not limited to, any allegations of breach of warranty, breach of contract, negligence or strict liability, shall be limited, at The Company's option, to either the return of the purchase price or the replacement of the particular equipment for which a claim is made and proved. In no event shall The Company be liable for any special, consequential, incidental or indirect losses or damages from the sale of The Company's equipment under this agreement**

**ORDER NO**

**Model**

**Date of Dispatch**