



# Atlas STP Door Curtain Unit

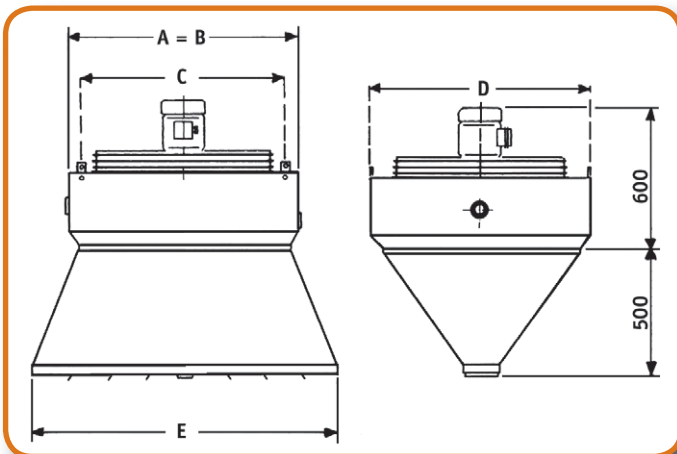
The *Atlas Sabiana STP door curtain unit* with its special fishtail diffuser is designed to provide a screen of warm air across the door opening to restrict cold air blowing into the area and to reduce the heated atmosphere inside the area from escaping out. They are available in three sizes with single speed motor and 1, 2, and 3 rows heat exchangers.

## Main components:

- CASING**  
 Made from galvanized prepainted steel finished in dove grey, and assembled from three component parts.
- DIFFUSER**  
 Is of the fishtail design produced from steel sheet. The discharge case has manually adjustable louvres. for individual requirements.
- HEAT EXCHANGER**  
 The heat exchanger is manufactured from the highest quality steel or copper tube. The fins are pressed from aluminium sheet, bonded onto the tubes facilitating the maximum transfer contact available.
- FAN ASSEMBLY**  
 It is made up of three components: the fan, the motor and the finger proof guard, which also acts as the main support.
- ELECTRIC MOTOR**  
 The standard motor fitted is a hermetically sealed motor which is maintenance free. The motor is supplied as standard for a three phase 230/400 V 50 Hz available at 6 and 8 poles.

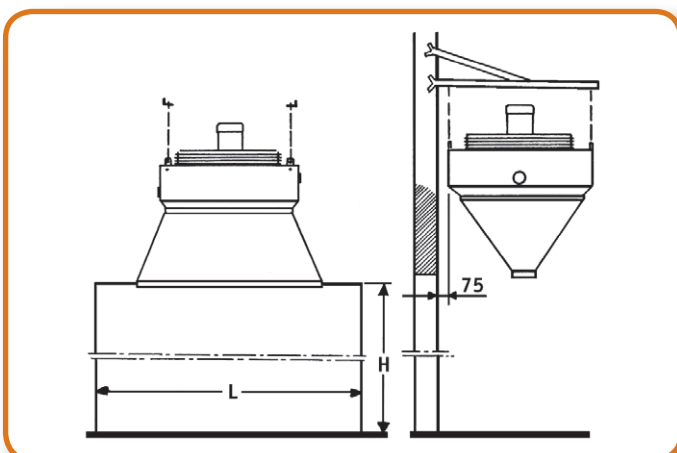


## Dimensions, weight and water content



SIZE	DIMENSIONS				Rows	Weight kg	Water content litres
	A=B	C	D	E			
7	793	696	793	1000	1	62	4.3
					2	70	8.2
					3	76	12.3
8	900	803	900	1200	1	75	5.8
					2	86	11.1
					3	93	16.6
9	1010	913	1010	1400	1	90	7.6
					2	104	14.5
					3	113	21.8

## Correct selection of the door curtain



SIZE	MOTOR POLE	DOOR HEIGHT (m)	DOOR WIDTH (m)
7	6	3.0 ÷ 4.0	1.5
8	6	3.5 ÷ 4.5	2.0
9	6	4.5 ÷ 5.5	2.5
7	8	2.5 ÷ 3.0	1.5
8	8	3.0 ÷ 3.5	1.8
9	8	3.5 ÷ 4.5	2.0



## STP Technical Characteristics

### ELECTRIC MOTOR 3 PHASE 400V 50Hz

SIZE	6 POLE (900 RPM)		8 POLE (700 RPM)	
	W	Noise level dB (A)	W	Noise level dB (A)
<b>7</b>	550	68	250	62
<b>8</b>	750	69	370	63
<b>9</b>	1100	70	550	64

SIZE	6 POLE (900 RPM)			8 POLE (700 RPM)		
	1 ROW	2 ROWS	3 ROWS	1 ROW	2 ROWS	3 ROWS
<b>7</b>	5000	4600	4400	3700	3500	3200
<b>8</b>	7300	6500	6000	5100	4700	4200
<b>9</b>	9000	8500	8100	6800	6400	6000

<b>HEATING EMISSION and L.A.T. +15°C (E.A.T. +15°C)</b>	<i>Water +85/+70°C</i>	<b>7</b>	—	38.4 kW 43°C	46.5 kW 52°C	—	32.5 kW 44°C	38.4 kW 53°C
		<b>8</b>	—	52.5 kW 41°C	60.7 kW 48°C	—	43.6 kW 44°C	50.0 kW 53°C
		<b>9</b>	—	70.7 kW 42°C	85.7 kW 50°C	—	58.7 kW 44°C	70.4 kW 53°C

<b>HEATING EMISSION and L.A.T. +15°C (E.A.T. +15°C)</b>	<i>Water +140/+100°C</i>	<b>7</b>	41.3 kW 41°C	60.5 kW 56°C	—	35.1 kW 46°C	50.7 kW 61°C	—
		<b>8</b>	57.9 kW 40°C	82.6 kW 55°C	—	49.8 kW 46°C	68.6 kW 61°C	—
		<b>9</b>	75.6 kW 41°C	111.3 kW 56°C	—	64.3 kW 46°C	92.3 kW 61°C	—

<b>HEATING EMISSION and L.A.T. +15°C (E.A.T. +15°C)</b>	<i>Steam 0.5 bar</i>	<b>7</b>	39.3 kW 40°C	—	—	33.4 kW 42°C	—	—
		<b>8</b>	55.0 kW 40°C	—	—	47.3 kW 42°C	—	—
		<b>9</b>	71.8 kW 41°C	—	—	61.0 kW 43°C	—	—

