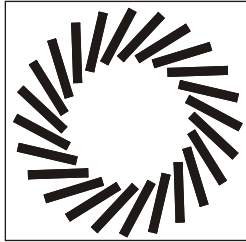
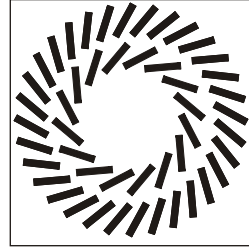


## 1 General Introduction

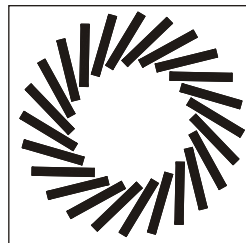
FK-YX I C serial fixed swirl diffuser developed by our company could be adjusted manually. It adjusts the direction of the air current to adapt to any change of the pattern of the building. Air is blown by means of swirl, which guarantees high inductivity as well as the rapid reduces of the wind speed and the temperatureThe air supply temperature difference can reach to  $\pm 20$  OC...



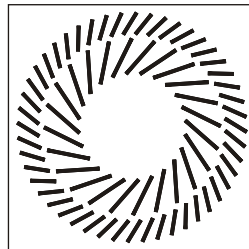
YX I C-Q: Specification: 500 x 24  
Black diversion blade included



YX I C-Q: Specification: 600 x 48  
Black diversion blade included

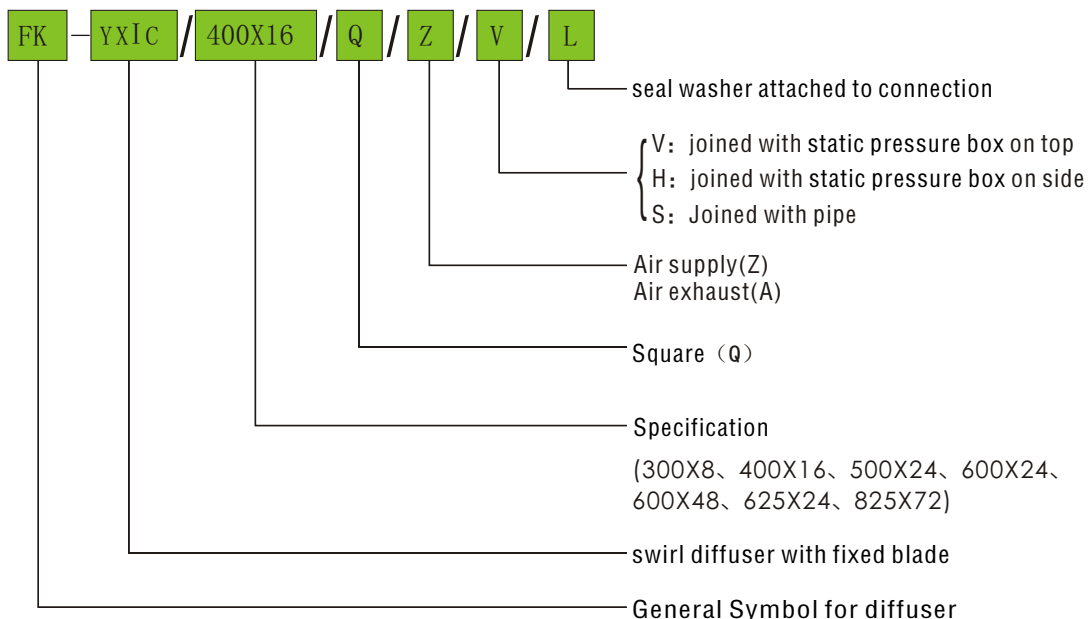


YXIC-Q: Specification:600X24  
White diversion blade included



YXIC-Q: Specification:825X72  
White diversion blade included

## 2 Representation Format for FK-YX I C Model



For example, FK-YXIC-400 x 16-Q-Z-V-L stands for swirl diffuser with 400 x 16 in size, top connected static pressure box, and with 16 blades for diversion attached.

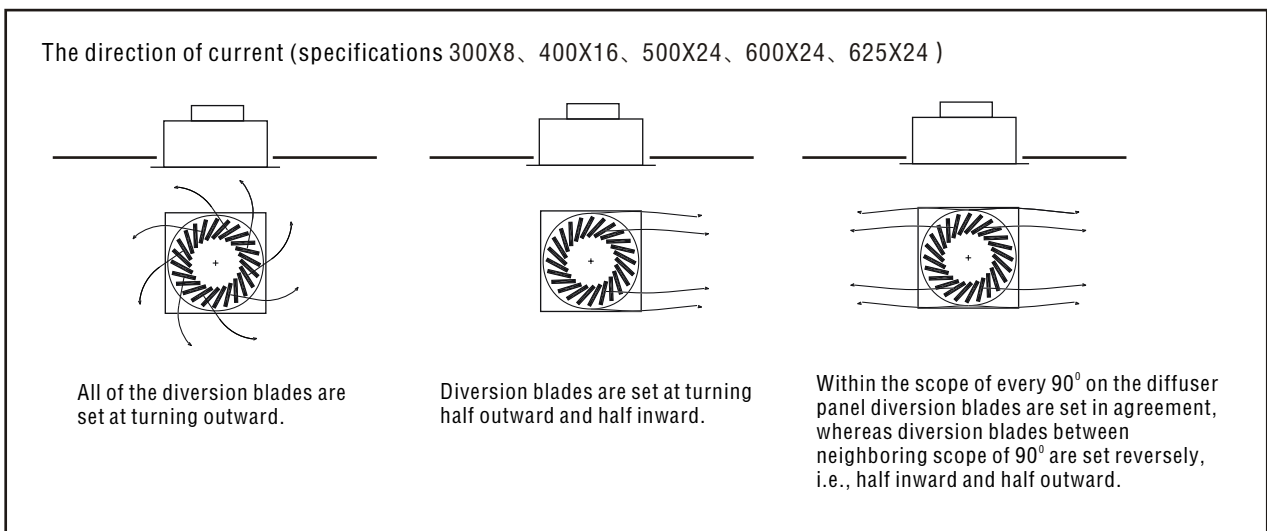
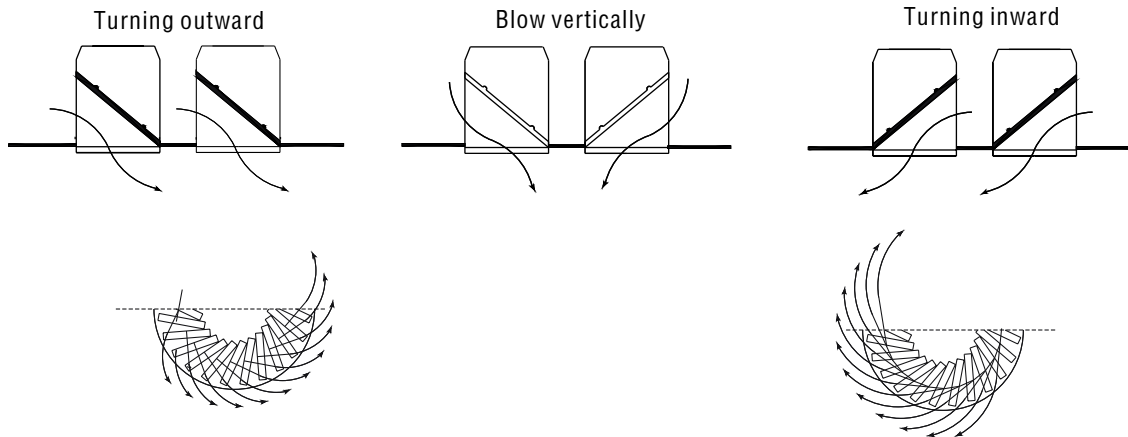
3. Features

FK-YX I C  
Type Swirl Diffuser



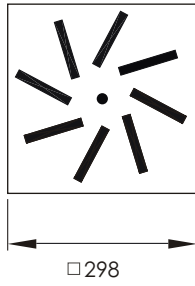
- To supply helical air with high inductivity rate, air speed and air temperature.
- Rapid reduce; round and square diffuser panel for option;
- The outlet can be adjusted by hand.

FK-YX I C type swirl diffuser could be used for air blow and air draught. The specified diversion blade is to be equipped when the diffuser is used for air blow. Change of air blow direction could be achieved by means of altering the setting of the blades when the diffuser is used for air blow. Diversion blades are set to operate turning outward for specification 300 x 8, 400 x 16, 500 x 54, 600 x 24, 625 x 24, whereas for specification 600 x 48, 825 x 72, the external diversion blades are set to operate turning outward and the internal ones are set to operate tuning inward.

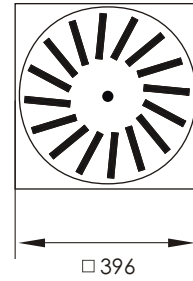


4. Specifications

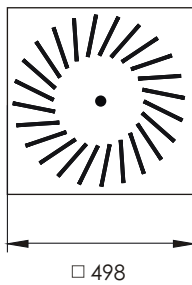
SIZE 300X8



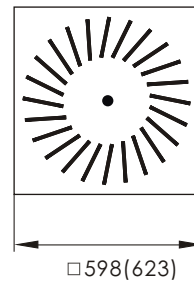
SIZE 400X16



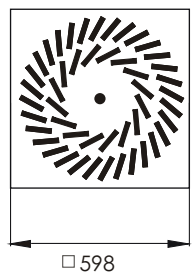
SIZE 500X24



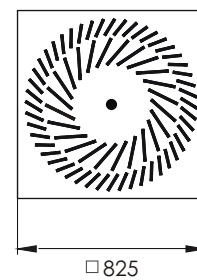
SIZE 600X24/SIZE 625X24



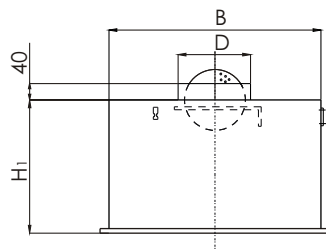
SIZE 600X48



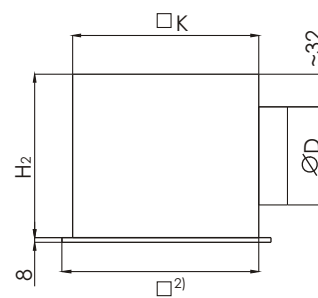
SIZE 825X72



Static pressure box



YXIC-...-V



YXIC-Q...-H

Specs	B	C <sup>2)</sup>	D	H <sub>1</sub>	H <sub>2</sub>	P	K	Diffuser panel Ak serial number <sup>1)</sup>	
								Round	Square
300X8	280	—	158	200	250	278	290	Ak013	Ak001
400X16	364	—	198	200	295	362	372	Ak014	Ak002
500X24	462	—	198	200	295	460	476	Ak015	Ak003
600X24	559	—	248	200	345	557	567	Ak016	Ak004
600X48	580	576	248	300	345	578	590	Ak017	Ak005
625X24	559	—	248	200	345	557	567	Ak016	Ak004
825X72	796	—	313	300	410	—	806	—	Ak007

Note: 1) applicable only type YX I C....H;  
 2) Connection pipe installation only applicable to specification 600 x 48

### 5. Material

The diffuser adopts cold rolling galvanized plate for its panels; the panel is pre-processed, and painted white (RAL9010). The diversion blades are made out of polystyrene, and painted white or black. The static pressure box adopts cold rolling galvanized steel plate, and seal washer is made from rubber.

### 6. Installations

Installation flat to the ceiling is applicable to all types. If the density of diversion ring is less than 50mm, and even if the diffuser is installed and sealed beneath the suspended ceiling, stable blowing current would be guaranteed as well.

Hang the static pressure box through the bores or hooks by means of string or suspended strings. Static pressure box connected horizontally by air pipe; user may stick the seal ring to the edge of the static pressure box, and install the diffuser panel to the static pressure box by means of central bolt and cross bar.

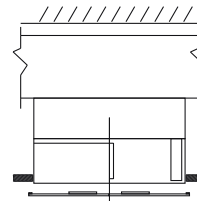
Install flat to the ceiling



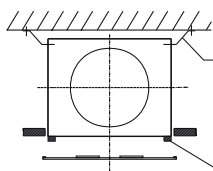
Install through tapping on the hover



Installation on suspended ceiling(connecting pipe)



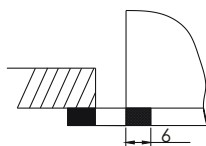
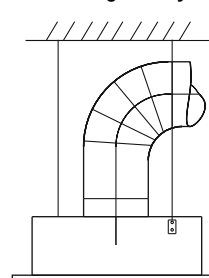
Installation on suspended ceiling (static pressure box)



User may hang (the diffuser) by the bore on the static pressure box.

Seal ring is installed by the user.

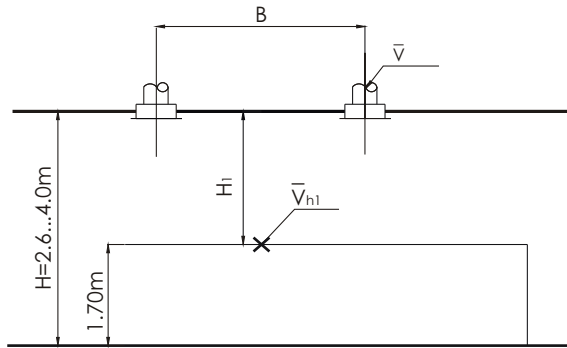
Hang freely



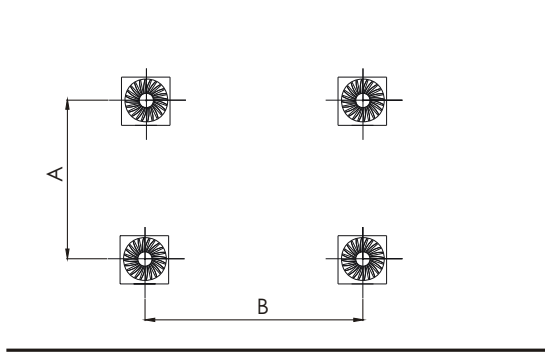
Install the diffuser panel by central bolt

Install through hooks

### 7. Symbol Definitions



- $\bar{V}$ (m<sup>3</sup>/h)      blast volume of every air port
- A、B (m)      Distance of diffuser
- $\bar{V}_{h1}$  (m/s)      average air velocity between the two air ports at Height H
- H<sub>1</sub> (m)      Distance from the ceiling to the activity area
- $\Delta P_t$  (Pa)      total pressure loss (air blowing)
- A<sub>eff</sub>(m<sup>2</sup>)      Effective air blowing area (m<sup>2</sup>)
- L<sub>WA</sub> (dB<A>)      A sound power level noise



Size	Max. Air Volume (m <sup>3</sup> /h)	Min. Air Volume (m <sup>3</sup> /h)	Max. Noise dB (A)	Min. Noise dB (A)	Effective air blowing area(m <sup>2</sup> )
300X8	252	54	40	<20	0.0070
400X16	396	108	40	<20	0.0140
500X24	468	144	40	<20	0.0210
600X24	684	216	40	<20	0.0295
600X48	828	360	40	<20	0.0390
625X24	684	216	40	<20	0.0295
825X72	1260	558	40	<20	0.0730

### 8 Performance Parameters

1)Windshield adjustment: revision value for noise and pressure loss

Air blow (YXIC-...-V)					Air blow (YXIC-...-H)				
Specs	Breastplate angle	0°	45°	90°	Specs	Breastplate angle	0°	45°	90°
300X8	$\Delta P_t$	X1.0	X1.2	X1.8	300X8	$\Delta P_t$	X1.0	X1.3	X2.2
	L <sub>WA</sub>	—	—	—		L <sub>WA</sub>	—	+3	+5
400X16	$\Delta P_t$	X1.0	X1.1	X2.0	400X16	$\Delta P_t$	X1.0	X1.2	X2.3
	L <sub>WA</sub>	—	—	+1		L <sub>WA</sub>	—	+1	+3
500X24	$\Delta P_t$	X1.0	X1.4	X2.8	500X24	$\Delta P_t$	X1.0	X1.5	X3.4
	L <sub>WA</sub>	—	+3	+6		L <sub>WA</sub>	—	+2	+3
600X24 625X24	$\Delta P_t$	X1.0	X1.3	X2.8	600X24 625X24	$\Delta P_t$	X1.0	X1.5	X4.0
	L <sub>WA</sub>	—	+3	+5		L <sub>WA</sub>	—	+2	+5
600X48	$\Delta P_t$	X1.0	X1.6	X3.4	600X48	$\Delta P_t$	X1.0	X1.7	X4.5
	L <sub>WA</sub>	—	+4	+9		L <sub>WA</sub>	—	+5	+10
625X54	$\Delta P_t$	X1.0	X1.6	X3.4	825X72	$\Delta P_t$	X1.0	X1.5	X4.7
	L <sub>WA</sub>	—	+4	+9		L <sub>WA</sub>	—	+5	+11
825X72	$\Delta P_t$	X1.0	X1.3	X3.3					
	L <sub>WA</sub>	—	+2	+4					

2) Performance diagram for air blow pressure loss and noise

Air blow ( YX I C-...-V)				Air blow ( YX I C-...-H)				
Specs	Air volume (m <sup>3</sup> /h)	Pressure loss (Pa)	Noise (db)	Specs	Air volume (m <sup>3</sup> /h)	Pressure loss (Pa)	Noise (db)	
300X8	72	5.5	<20	300X8	108	10	<20	
	90	9	<20		144	18	22.5	
	108	15	20		180	28	28	
	144	25	27.5		252	55	38	
	180	35	38		288	65	42.5	
	252	70	47.5		360	120	50	
	288	100	50		400X16	180	9	<20
400X16	162	4	<20	252		18	26	
	180	8	<20	288		23	30	
	216	13	23	360		35	37.5	
	288	25	25	450		50	42	
	360	36	37	540		70	50	
	540	80	55	500X24		252	10	15
	500X24	252	10		22	360	20	33
360		20	33		450	28	37	
576		45	45		540	45	43	
720		70	50		630	60	47	
1080		170	70		720	70	70	
600/625X24		360	9.5		21	600/625X24	288	6
		450	14	26	360		8	22
	540	20	33	450	13		27	
	720	33	42	540	19		34	
	900	55	47.5	720	30		41	
	1080	80	55	900	40		45	
	1080	80	55	1080	65		53	
600X48	360	6.5	<20	600X48	360	6	13	
	450	9	20		450	10	22.5	
	540	13	25		540	15	27	
	720	25	35		720	26	36	
	900	50	46		900	33	40	
	1080	90	50		1080	60	46	
825X72	630	7.5	20	825X72	540	7	<20	
	720	10	28		720	10	23	
	900	15	31		900	13	26	
	1080	20	36		1080	20	34	
	1440	40	45		1440	32	43	
	1800	60	53		1800	60	47	
	—	—	—		—	—	—	—

### 3) Model Options

Revision: When installed beneath the continuous suspended ceiling,  $V_{H1}$  shall time quotient 0.71.

300 x 8 Multiple lines B=3.0m					
Air Height $H_1$ (m)	Air Volume( $m^3/h$ )	54	72	108	162
	velocity $\bar{V}_{H1}(m/s)$	Distance between diffusers A (m)			
0.9	0.1	—	—	3.7	5.5
	0.15	—	—	—	4.0
	0.2	—	—	—	3.0
1.2	0.1	—	—	2.7	4.5
	0.15	—	—	—	3.0
1.6	0.1	—	—	—	3.5
2.0	0.1	—	—	—	2.4

300 x 8 quadrangle A= B					
Air Height $H_1$ (m)	Air Volume( $M^3/h$ )	54	72	108	162
	velocity $\bar{V}_{H1}(m/s)$	Distance between diffusers A (m)			
0.9	0.1	1.9	2.5	3.5	4.0
	0.15	1.3	1.7	2.7	3.5
	0.2	1.1	1.5	2.2	3.0
	0.3	—	1.0	1.5	2.3
	0.4	—	0.8	1.2	1.75
1.2	0.1	1.5	2.0	3.0	3.7
	0.15	1.2	1.4	2.2	3.0
	0.2	0.8	1.3	1.7	2.5
	0.3	—	1.0	1.3	1.75
	0.4	—	—	0.9	1.4
1.6	0.1	1.2	1.6	2.3	3.2
	0.15	0.8	1.3	1.7	2.5
	0.2	—	0.9	1.3	1.9
	0.3	—	—	0.9	1.4
	0.4	—	—	0.8	1.3
2.0	0.1	1.0	1.25	1.9	2.8
	0.15	—	0.9	1.3	2.0
	0.2	—	—	1.1	1.6
	0.3	—	—	0.8	1.3

300 x 8 Single line or multiple lines B>4.0m					
Air velocity $\bar{V}_{h1}$ (m/s)		Air Volume (m <sup>3</sup> /h)			
Height H <sub>1</sub> (m)		54	72	108	162
		Distance between diffusers A (m)			
0.9	0.1	—	—	—	4.0
	0.15	—	—	—	2.8
1.2	0.1	—	—	—	2.9

400 x 16 Multiple lines B=3.0m						
Air velocity $\bar{V}_{h1}$ (m/s)		Air Volume (m <sup>3</sup> /h)				
Height H <sub>1</sub> (m)		145	215	290	360	430
		Distance between diffusers A (m)				
0.9	0.1	3.3	4.9	5.9	—	—
	0.15	—	3.6	4.7	5.5	6.0
	0.2	—	2.7	3.8	4.6	5.3
	0.3	—	—	2.2	3.2	4.0
1.2	0.1	2.3	4.0	5.1	6.0	—
	0.15	—	2.7	3.8	4.6	5.3
	0.2	—	—	2.8	3.7	4.5
	0.3	—	—	—	2.4	3.0
1.6	0.1	—	3.0	4.1	5.0	5.6
	0.15	—	—	2.8	3.7	4.5
	0.2	—	—	—	2.5	3.4
2.0	0.1	—	2.0	3.4	4.4	5.0
	0.15	—	—	—	2.8	3.6
	0.2	—	—	—	—	2.7

400 x 16 single line or multiple lines B>4.0m						
Air velocity $\bar{V}_{h1}$ (m/s)		Air Volume (m <sup>3</sup> /h)				
Height H <sub>1</sub> (m)		145	215	290	360	430
		Distance between diffusers A (m)				
0.9	0.1	—	3.6	4.8	5.6	—
	0.15	—	1.8	3.3	4.3	5.0
	0.2	—	—	2.3	3.3	4.0
	0.3	—	—	—	—	2.6
1.6	0.1	—	2.7	3.8	4.6	5.3
	0.15	—	—	2.3	3.3	4.0
	0.2	—	—	—	2.0	3.0
1.2	0.1	—	—	3.0	3.7	4.5
	0.15	—	—	—	2.0	3.0
	0.2	—	—	—	—	1.7
2.0	0.1	—	—	1.7	3.0	3.7
	0.15	—	—	—	—	2.2

400 x 16 quadrangle A= B					
Air Height $H_1$ (m)	Air velocity $\bar{v}_{n1}$ (m/s)	Air Volume (m <sup>3</sup> /h)			
		150	200	300	400
		Distance between diffusers A (m)			
0.9	0.15	2.5	3.1	3.7	4.3
	0.2	2.0	2.7	3.4	4.0
	0.3	1.7	2.3	3.1	3.8
	0.4	—	—	2.4	2.9
1.2	0.15	2.0	2.7	3.4	4.0
	0.2	1.5	2.2	3.0	3.7
	0.3	—	—	2.4	2.9
1.6	0.15	1.5	2.2	3.0	3.7
	0.2	—	1.7	2.6	3.1
	0.3	—	—	2.0	2.5
2.0	0.15	—	1.8	2.4	2.9
	0.2	—	—	2.1	2.6
	0.3	—	—	—	2.0

500 x 24 Multiple lines B=3.0m					
Air Height $H_1$ (m)	Air velocity $\bar{v}_{n1}$ (m/s)	Air Volume (m <sup>3</sup> /h)			
		144	216	288	432
		Distance between diffusers A (m)			
0.9	0.1	2.0	4.5	5.2	—
	0.15	—	2.8	4.2	5.7
	0.2	—	—	3.2	4.9
	0.25	—	—	2.0	4.0
1.2	0.1	—	3.5	4.6	—
	0.15	—	—	3.2	4.9
	0.2	—	—	2.0	4.0
	0.25	—	—	—	3.0
1.6	0.1	—	2.0	3.7	5.3
	0.15	—	—	2.0	4.0
	0.2	—	—	—	2.8
2.0	0.1	—	—	2.7	4.5
	0.15	—	—	—	3.0

500 x 24 quadrangle alignment A=B						
		Air Volume(m <sup>3</sup> /h)	144	216	288	432
Air HeightH <sub>1</sub> (m)	velocity $\bar{V}_{h1}$ (m/s)	Distance between diffusers A (m)				
0.9	0.1	2.7	3.6	4.1	4.8	
	0.15	2.0	2.8	3.6	4.4	
	0.2	—	2.4	3.0	4.0	
	0.25	—	2.0	2.6	3.7	
1.2	0.1	2.2	3.0	3.8	4.6	
	0.15	—	2.4	3.0	4.0	
	0.2	—	1.8	2.4	3.3	
	0.25	—	1.5	2.0	3.0	
1.6	0.1	—	2.5	3.2	4.1	
	0.15	—	1.8	2.4	3.3	
	0.2	—	—	1.9	2.8	
	0.25	—	—	1.7	2.4	
2.0	0.1	—	2.1	2.8	3.8	
	0.15	—	1.5	2.0	3.0	
	0.2	—	—	1.7	2.4	
	0.25	—	—	—	2.0	

500 x 24 single line or multiple lines alignment B>4m						
		Air Volume(m <sup>3</sup> /h)	144	216	288	432
Air HeightH <sub>1</sub> (m)	velocity $\bar{V}_{h1}$ (m/s)	Distance between diffusers A (m)				
0.9	0.1	—	3.0	4.3	6.0	
	0.15	—	—	2.9	4.6	
	0.2	—	—	—	3.6	
	0.25	—	—	—	1.9	
1.2	0.1	—	—	3.2	4.9	
	0.15	—	—	—	3.5	
	0.2	—	—	—	1.9	
1.6	0.1	—	—	—	3.7	
	0.15	—	—	—	1.9	
2.0	0.1	—	—	—	3.0	

600 x 48 single line or multiple lines alignment B>4m					
Air HeightH <sub>1</sub> (m)	Air velocity $\bar{V}_{h1}$ (m/s)	Air Volume(m <sup>3</sup> /h)			
		360	720	1080	1440
		Distance between diffusers A (m)			
0.9	0.1	3.7	5.4	6.7	7.5
	0.15	—	3.9	5.1	6.2
	0.2	—	2.8	4.2	5.44
	0.25	—	—	3.4	4.6
	0.3	—	—	2.0	3.9
	0.4	—	—	—	2.8
1.2	0.1	2.5	5.5	5.6	7.3
	0.15	—	2.9	4.2	5.5
	0.2	—	—	2.9	4.4
	0.25	—	—	—	3.5
	0.3	—	—	—	2.9
1.6	0.1	—	3.3	4.5	5.6
	0.15	—	—	3.2	4.3
	0.2	—	—	—	3.4
	0.25	—	—	—	2.0
2.0	0.1	—	—	3.6	4.9
	0.15	—	—	—	3.5
	0.2	—	—	—	2.0

600 x 48 quadrangle alignment A=B					
Air HeightH <sub>1</sub> (m)	Air velocity $\bar{V}_{h1}$ (m/s)	Air Volume(m <sup>3</sup> /h)			
		360	720	1080	1440
		Distance between diffusers A (m)			
0.9	0.15	2.5	3.0	4.2	4.5
	0.2	1.8	2.5	3.6	4.1
	0.25	1.65	2.1	3.15	3.7
	0.3	—	1.8	2.65	3.5
	0.4	—	—	2.2	2.9
	0.5	—	—	1.75	2.5
1.2	0.15	1.8	2.5	3.5	4.2
	0.2	1.5	2.0	3.0	3.6
	0.25	—	1.7	2.4	3.2
	0.3	—	1.5	2.2	2.9
	0.4	—	—	1.7	2.4
1.6	0.15	1.6	2.0	2.9	3.6
	0.2	—	1.7	2.5	3.2
	0.25	—	—	1.9	2.7
	0.3	—	—	1.7	2.4
2.0	0.15	—	1.4	2.6	3.3
	0.2	—	—	1.9	2.7
	0.25	—	—	1.7	2.2

600 x 48 multiple lines alignment B=3m						
Air Height H <sub>1</sub> (m)	Air velocity $\bar{V}_{h1}$ (m/s)	Air Volume(m <sup>3</sup> /h)	360	720	1080	1440
	Distance between diffusers A (m)					
0.9	0.1	4.5	—	—	—	—
	0.15	3.5	5.5	—	—	—
	0.2	2.8	4.8	6.0	—	—
	0.3	—	3.8	5.0	5.7	—
	0.4	—	3.0	4.3	5.2	—
	0.5	—	2.5	3.6	4.5	—
1.2	0.1	3.7	—	—	—	—
	0.15	2.7	4.8	6.0	—	—
	0.2	—	4.0	5.3	6.0	—
	0.3	—	3.0	4.2	5.3	—
	0.4	—	2.2	3.5	4.3	—
	0.5	—	—	2.7	3.6	—
1.6	0.1	2.9	5.1	—	—	—
	0.15	—	4.0	5.3	6.0	—
	0.2	—	3.4	4.5	5.3	—
	0.3	—	2.2	3.5	4.3	—
	0.4	—	—	2.7	3.6	—
	0.5	—	—	—	3.2	—
2.0	0.1	2.5	4.6	5.7	—	—
	0.15	—	3.5	4.6	5.7	—
	0.2	—	2.8	4.0	4.9	—
	0.3	—	—	2.8	3.7	—

600/625 x 24 single line or multiple lines alignment B>4m							
Air Height H <sub>1</sub> (m)	Air velocity $\bar{V}_{h1}$ (m/s)	Air Volume(m <sup>3</sup> /h)	215	325	430	540	650
	Distance between diffusers A (m)						
0.9	0.1	1.6	3.6	4.7	5.6	—	—
	0.15	—	2.2	3.3	4.3	5.0	—
	0.2	—	—	2.4	3.3	4.1	—
	0.3	—	—	—	—	2.7	—
1.2	0.1	—	2.6	3.7	4.6	5.2	—
	0.15	—	—	2.4	3.3	4.1	—
	0.2	—	—	—	2.3	3.1	—
1.6	0.1	—	—	2.6	3.5	4.3	—
	0.15	—	—	—	2.3	3.1	—
	0.2	—	—	—	—	1.9	—
2.0	0.1	—	—	1.6	2.9	3.7	—
	0.15	—	—	—	—	2.3	—

600/625 x 24 multiple lines alignment B=3m						
Air velocity Height H <sub>1</sub> (m)	Air Volume(m <sup>3</sup> /h)	215	325	430	540	650
	$\bar{V}_{h1}$ (m/s)	Distance between diffusers A (m)				
0.9	0.1	3.4	4.9	6.0	—	—
	0.15	1.5	3.6	4.7	5.5	—
	0.2	—	2.6	3.7	4.6	5.3
	0.3	—	—	2.4	3.3	4.0
1.2	0.1	3.4	4.0	5.0	—	—
	0.15	—	2.6	3.7	4.6	5.3
	0.2	—	—	2.8	3.6	4.4
	0.3	—	—	—	2.3	3.0
1.6	0.1	—	3.0	4.1	4.9	5.6
	0.15	—	—	2.8	3.7	4.3
	0.2	—	—	—	2.6	3.3
	0.3	—	—	—	—	1.5
2.0	0.1	—	2.1	3.3	4.3	4.9
	0.15	—	—	1.5	2.8	3.6
	0.2	—	—	—	—	2.6

600/625 x 24 quadrangle alignment A=B						
Air velocity Height H <sub>1</sub> (m)	Air Volume(m <sup>3</sup> /h)	200	300	400	500	610
	$\bar{V}_{h1}$ (m/s)	Distance between diffusers A (m)				
0.9	0.15	2.4	3.3	3.6	4.0	4.3
	0.2	1.9	2.8	3.2	3.7	4.0
	0.3	—	—	—	—	2.1
1.2	0.15	1.9	2.8	3.2	3.7	4.0
	0.2	—	2.2	2.8	3.3	3.6
	0.3	—	1.5	2.1	2.8	3.0
1.6	0.15	—	2.2	2.8	3.3	3.6
	0.2	—	—	2.4	2.8	3.2
	0.3	—	—	—	2.3	2.6
2.0	0.15	—	—	2.5	2.9	3.2
	0.2	—	—	—	2.5	2.8
	0.3	—	—	—	2.0	2.3

825 x 72 multiple lines alignment B=3m								
Height H <sub>1</sub> (m)	Air velocity $\bar{v}_{h1}$ (m/s)	Air Volume (m <sup>3</sup> /h)						
		610	720	900	1080	1260	1440	1620
		Distance between diffusers A (m)						
1.2	0.15	5.3	5.8	—	—	—	—	—
	0.2	4.4	5.0	5.7	—	—	—	—
	0.3	—	3.5	4.5	5.3	5.7	—	—
	0.4	—	—	3.3	4.3	5.0	5.5	5.7
1.6	0.15	4.4	5.0	5.7	—	—	—	—
	0.2	3.1	4.0	5.0	5.6	—	—	—
	0.3	—	—	3.3	4.3	5.0	5.5	5.7
	0.4	—	—	—	2.9	3.9	4.6	5.0
2.0	0.15	3.4	4.3	4.9	5.6	—	—	—
	0.2	—	2.9	4.2	5.0	5.5	6.0	—
	0.3	—	—	—	3.3	4.2	4.7	5.2
	0.4	—	—	—	—	2.8	3.6	4.3
2.5	0.15	—	3.3	4.4	5.2	5.8	—	—
	0.2	—	—	3.1	4.2	4.8	5.3	5.7
	0.3	—	—	—	—	3.2	3.8	4.3

825 x 72 quadrangle alignment A=B								
Height H <sub>1</sub> (m)	Air velocity $\bar{v}_{h1}$ (m/s)	Air Volume (m <sup>3</sup> /h)						
		610	720	900	1080	1260	1440	1620
		Distance between diffusers A (m)						
1.2	0.2	3.5	3.8	4.3	4.7	4.9	5.1	5.4
	0.25	3.0	3.5	4.0	4.3	4.6	4.8	5.1
	0.3	2.7	3.1	3.7	4.0	4.2	4.4	4.8
	0.4	2.2	2.5	3.1	3.5	3.8	4.1	4.4
1.6	0.2	3.1	3.7	4.1	4.3	4.5	4.7	5.0
	0.25	2.4	2.8	3.4	3.8	4.1	4.3	4.5
	0.3	2.1	2.5	3.0	3.5	3.8	4.1	4.3
	0.4	—	—	2.5	2.9	3.3	3.7	3.9
2.0	0.2	2.4	2.8	3.4	3.8	4.1	4.3	4.5
	0.25	2.0	2.4	3.0	3.4	3.7	4.0	4.1
	0.3	—	2.0	2.6	3.0	3.4	3.7	4.0
	0.4	—	—	2.0	2.4	2.7	3.0	3.4
2.5	0.2	2.0	2.4	3.0	3.4	3.7	4.0	4.1
	0.25	—	—	2.5	2.9	3.3	3.7	3.9
	0.3	—	—	2.0	2.4	2.7	3.0	3.4
	0.4	—	—	1.5	2.0	2.4	2.7	2.9

825 x 72 single line or multiple lines alignment B>4m							
Air velocity HeightH <sub>1</sub> (m)	Air Volume(m <sup>3</sup> /h)	610	720	900	1080	1260	1440
	$\bar{V}_{h1}$ (m/s)	Distance between diffusers A (m)					
0.9	0.1	5.4	5.9	—	—	—	—
	0.15	4.0	4.6	5.5	—	—	—
	0.2	—	3.6	4.6	5.3	5.9	—
	0.3	—	—	2.7	3.9	5.2	5.7
	0.4	—	—	—	—	3.5	4.2
1.2	0.1	4.5	5.1	5.0	—	—	—
	0.15	—	3.6	4.6	5.3	5.9	—
	0.2	—	—	3.5	4.3	5.0	5.5
	0.3	—	—	—	—	3.5	4.2
	0.4	—	—	—	—	—	2.5
1.6	0.1	3.5	4.4	5.2	5.8	—	—
	0.15	—	—	3.8	4.6	5.2	5.7
	0.2	—	—	—	3.3	4.3	4.8
	0.3	—	—	—	—	—	3.5
2.0	0.1	—	3.3	4.4	5.0	5.6	—
	0.15	—	—	—	3.3	4.3	4.8
	0.2	—	—	—	3.0	3.9	4.4
	0.3	—	—	—	—	—	2.5