

1.General description

FK-TF4 series Floor slot diffuser is one of our latest new floor diffusers , which can be widely used in computer room ,hotel,library,meeting room,theater and other places for supplying and returning air with low noise .At the same time ,floor slot diffuser have a strong upload capacity ,people can move on it which seems like floor.

2.Symbol explanation

FK	Air diffuser
TF4	Floor slot diffuser
J	Accessory J: With plenum box W: Without accessory F: With air damper
1	Surface coated 1: No painted 2: Paint
L×W	L: Neck length (mm) W: Neck width (mm)

Example:FK-TF4/J/1000*200 means Floor slot diffuser whose neck size is 1000*200mm, with standard plenum box,without air damper,no painted.

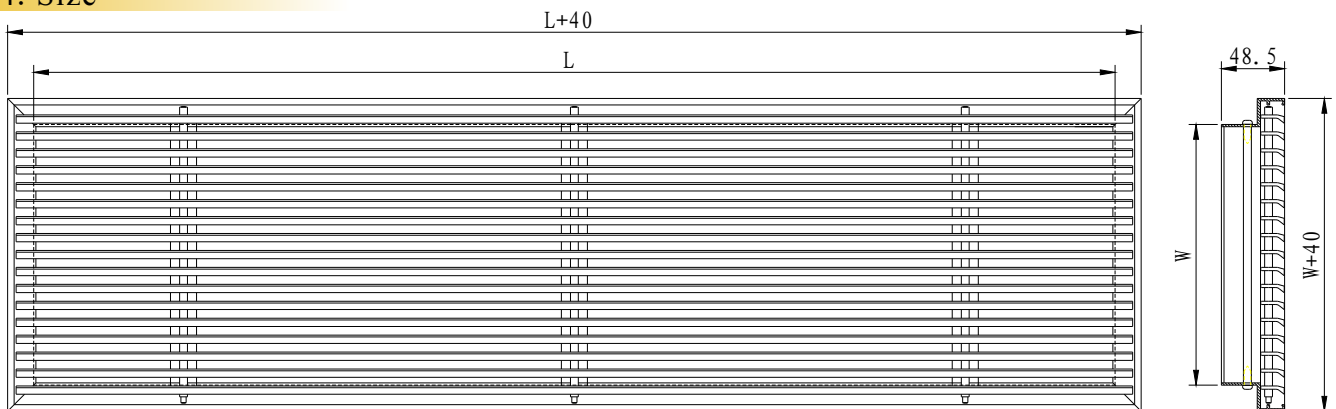
3. Characteristic

Floor slot diffuser
FK-TF4

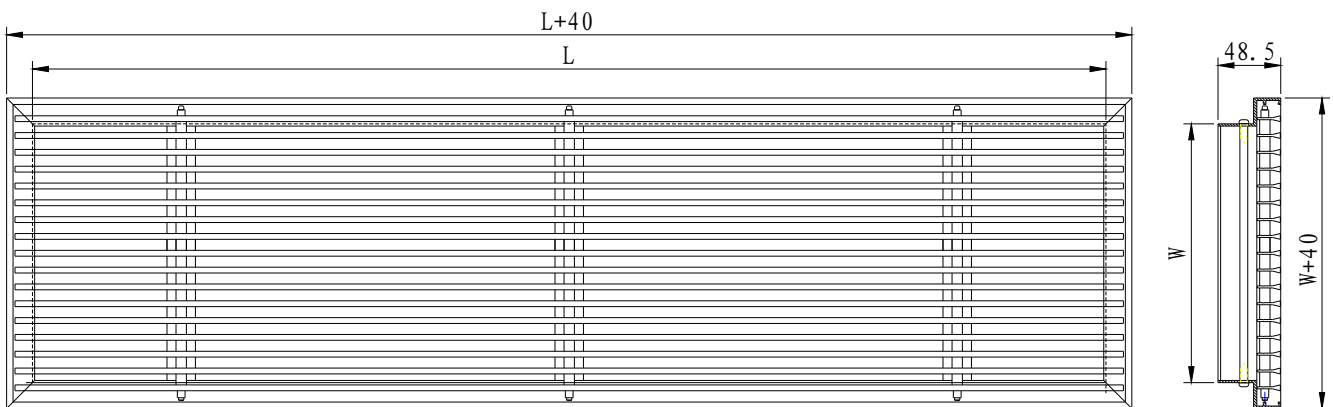


- (1)Material is high grade aluminum extrusions, surface is dealt with anodic oxidation.
- (2)Perfect appearance,firm construction ,long life-time ,can be combined with decoration very well .
- (3) Plenum box are available on request .(Connection type of plenum box is side connection ,also can supply other connection types plenum box)
- (4)Easy to install and knock down,it is to take out the inner part for cleaning dusty.
- (5)Surface is dealt with anodic oxidation ,also can supply RAL standard color.

4. Size

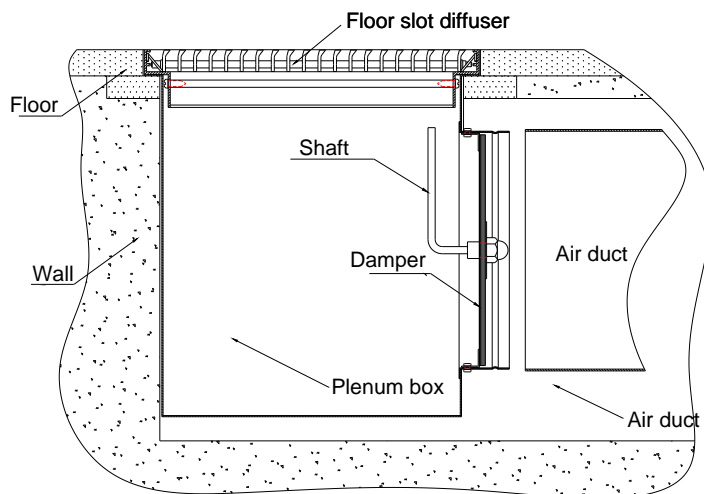


Blade type 1

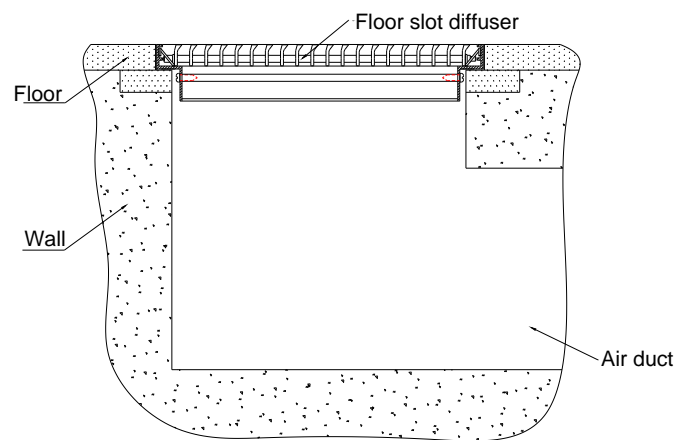


Blade type 2

5. Installation



With plenum box and damper sketch map



Without plenum box and damper sketch map

Note: With plenum box, casing type can be done according customer's requirement

6. Technical parameter

Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
100	Air volume (m ³ /h)	122	244	366	488	610	732
0.068 (m ²)	Pressure lost (Pa)	- -	4	5	8	11	16
	Regeneration noise db (A)	<10	<10	<10	<10	14	20
	Supply air height(m)	0.7	1.5	1.7	1.9	2.4	2.8
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
150	Air volume (m ³ /h)	176	352	528	704	880	1056
0.098 (m ²)	Pressure lost (Pa)	- -	4	5	8	11	16
	Regeneration noise db (A)	<10	<10	<10	12	15	21
	Supply air height(m)	0.8	1.7	1.9	2.1	2.5	3
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
200	Air volume (m ³ /h)	230	460	690	920	1150	1380
0.128 (m ²)	Pressure lost (Pa)	- -	4	5	8	11	16
	Regeneration noise db (A)	<10	<10	11	14	16	21
	Supply air height(m)	0.82	1.75	1.95	2.2	2.6	3.1
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
250	Air volume (m ³ /h)	279	588	837	1176	1470	2352
0.155 (m ²)	Pressure lost (Pa)	- -	4	5	8	11	16
	Regeneration noise db (A)	<10	<10	11	15	17	22
	Supply air height(m)	0.84	1.8	2	2.3	2.7	3.2
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
300	Air volume (m ³ /h)	342	684	1026	1368	1710	2052
0.19 (m ²)	Pressure lost (Pa)	- -	4	5	8	11	16
	Regeneration noise db (A)	<10	<10	12	16	18	23
	Supply air height(m)	0.88	1.85	2.1	2.4	2.9	3.3
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
350	Air volume (m ³ /h)	401	802	1203	1604	2005	2406
0.223 (m ²)	Pressure lost (Pa)	- -	4	5	8	11	16
	Regeneration noise db (A)	<10	<10	13	17	19	24
	Supply air height(m)	0.9	1.9	2.2	2.5	3	3.4
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
400	Air volume (m ³ /h)	455	910	1365	1820	2275	3640
0.253 (m ²)	Pressure lost (Pa)	- -	6	7	11	15	18
	Regeneration noise db (A)	<10	12	15	18	20	25
	Supply air height(m)	0.95	1.95	2.3	2.6	3.1	3.5
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
450	Air volume (m ³ /h)	509	1018	1527	2036	2545	3054
0.283 (m ²)	Pressure lost (Pa)	4	7	8	12	16	19
	Regeneration noise db (A)	<10	12	15	18	20	25
	Supply air height(m)	1	2	2.4	2.7	3.2	3.6
Size (W)	Neck air velocity (m/s)	0.5	1	1.5	2	2.5	3
500	Air volume (m ³ /h)	563	1126	1689	2252	2815	3378
0.313 (m ²)	Pressure lost (Pa)	4	7	8	12	16	19
	Regeneration noise db (A)	<10	12	15	18	20	25
	Supply air height(m)	1.1	2.1	2.5	2.8	3.3	3.7

Note:

(1) Data of the specification column, above one is width of floor slot diffuser, nether one is effective area supply air.

(2) The technical parameters listed in are reckoned on special working condition. Testing condition is temperature difference between supply air and room is 80°C, corresponding end air velocity is 0.2m/s. When use condition is different from the testing condition, the technical parameters in the samples may have a little windage.

7. Order details

(1) When making orders, you should give the exclusive confirmation according to the samples' examples of method.

(2) Our company retains the rights of interpretation and revision of this sample.