

AMCA500 - L Tested Sand Trap Louver

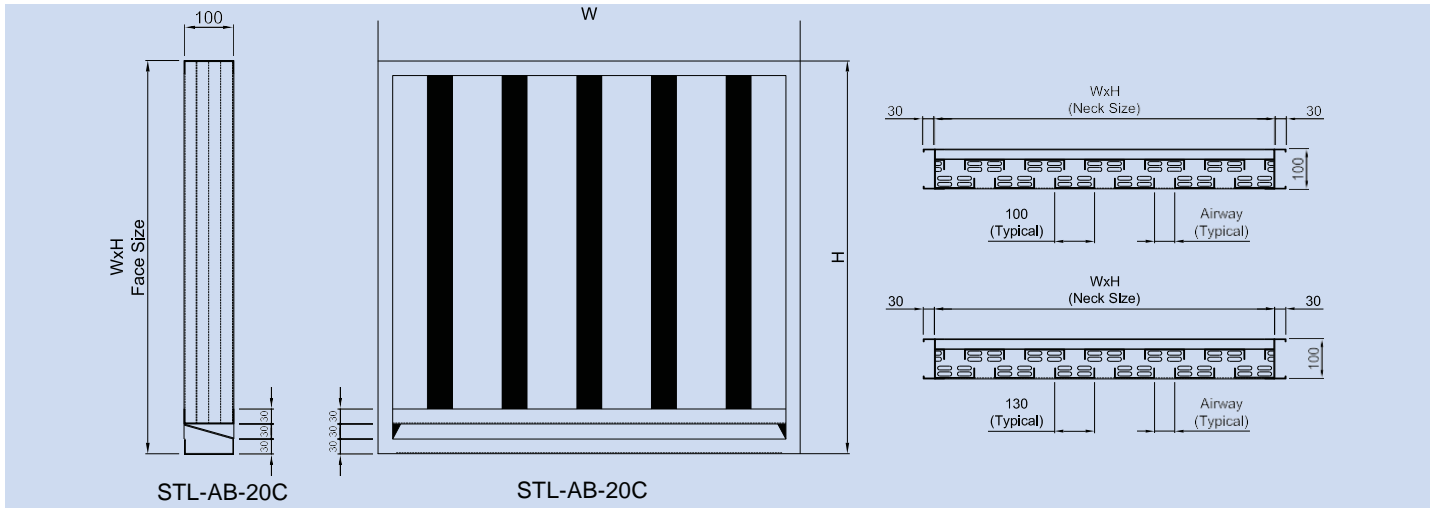
B-20 Series

For Light / Medium duty applications

Model: STL-AB-22C (AMCA 500-L); Blade Width: 1 – 100 mm; 2 – 130* mm

Type : A - Wall Mounted ; B - Duct Mounted; C - Flush Mounted

"BETEC CAD. certifies that the STL-AB-22 A/B/C shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program."



Standard Construction

Frame

1.5 mm thick aluminium roll formed profile.

Blade

1.2 mm thick aluminium roll formed profile.

Blade Orientation

Vertical.

Blade Type

U Shaped 130 mm.

Screen

Galvanized Steel 0.4 mm thickness.

Finish

Mill finish.

Optional Fittings

Blade

U Shaped 100 mm.

Screen

S-3 SS Bird Screen

S-10 SS Fly Screen

Filter

13 / 25 mm thickness aluminum media filter.

Damper

Control Damper

Mounting Angles

Mounting frame and angle flange.

Finish

Available with RAL powder coating, please specify color.

B-20 Series Model Details

Model	Frame		Blade	
	Material	Thickness	Material	Thickness
STL-AB-21/22A/B/C	AL	1.5*mm	AL	1.2* mm
STL-GB-21/22A/B/C	GI	1.5 mm	GI	1.2 mm
STL-SB-2122A/B/C	SS	1.2 mm	SS	0.9 mm

Alphabet indicates the type of installation

A - Wall Mounted

B - Duct Mounted

C - Flush Mounted

Any Combination of W x H

STL-AB-21/22												
Win Inchs	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	30"
Hinches	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	30"

Note:

Maximum single module construction - 3 x 2 meters

Multiple module available with mullion.

Applications :

- Sand Trap Louvers AB-21 Light duty and AB-22 Medium duty model construction, are suitable for the duct or wall mounting applications in HVAC systems, where excessive intake air filtration is required for ventilation purpose.
- Sand Trap Louvers fitted with filters and dampers are suitable for the AHU's applications for fresh air intake.

Note : Please contact **BETEC CAD.** for customized design and specification.

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



Sand Trap Louver - STL

Engineering and Performance Data

B-20 Series

"BETEC CAD. certifies that the STL-AB-22 A/B/C shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program."

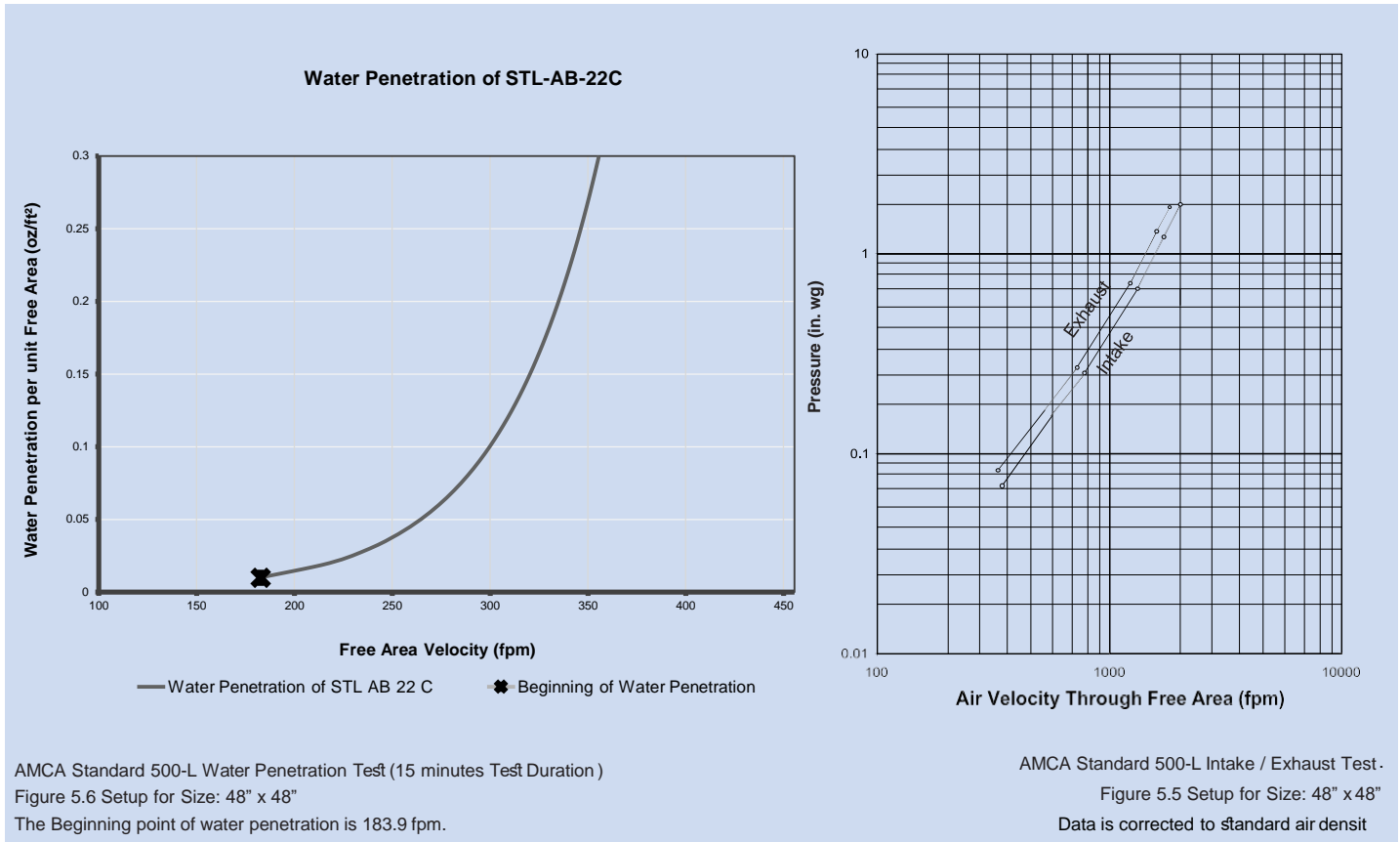


Selection table for Model : STL-AB-22 A/B/C

Free area Ak in mt2 For Model :STL-AB-22A/B/C AMCA500-L Tested.								
W/H	300	450	600	750	900	1050	1200	1500
300	0.008	0.017	0.027	0.037	0.047	0.056	0.066	0.086
450	0.015	0.035	0.054	0.074	0.093	0.113	0.132	0.171
600	0.015	0.035	0.054	0.074	0.093	0.113	0.132	0.171
750	0.023	0.052	0.081	0.111	0.140	0.169	0.198	0.257
900	0.030	0.069	0.108	0.147	0.186	0.225	0.264	0.342
1050	0.038	0.087	0.136	0.184	0.233	0.282	0.330	0.428
1200	0.038	0.087	0.136	0.184	0.233	0.282	0.330	0.428
1500	0.053	0.122	0.190	0.258	0.326	0.394	0.463	0.599

1220 x 1220 mm Louver free area 0.330 Sq.mt

Model : ST L-AB-22A/B/C Pressure Drop V/S Face Velocity Graph. as per AMCA500 - L



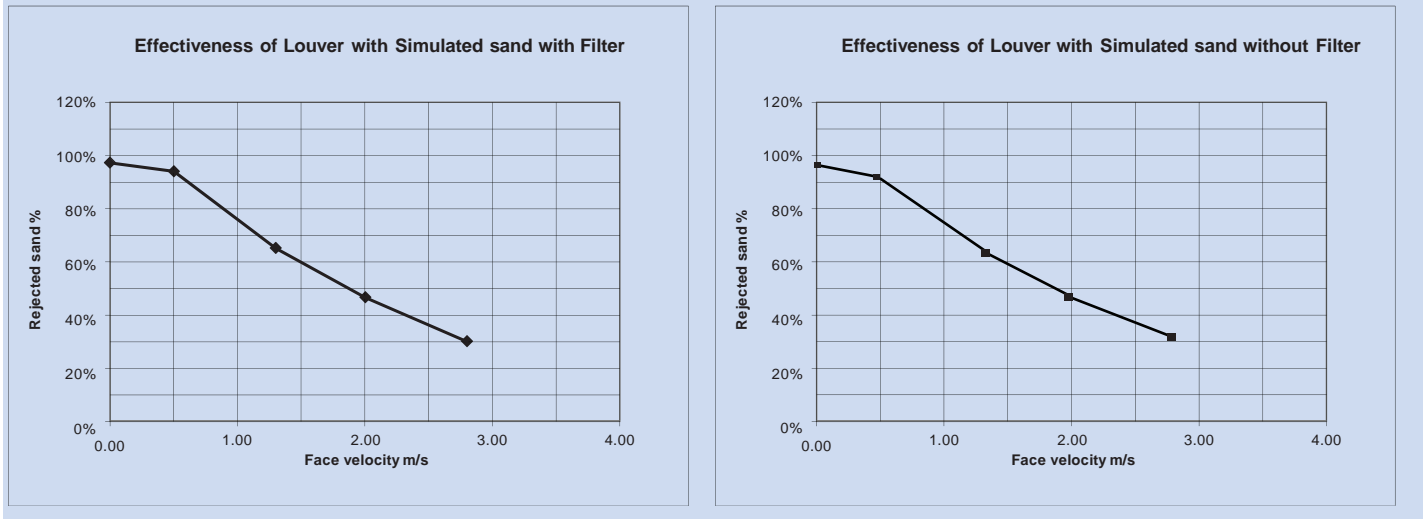
Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



Sand Trap Louver - STL Engineering and Performance Data

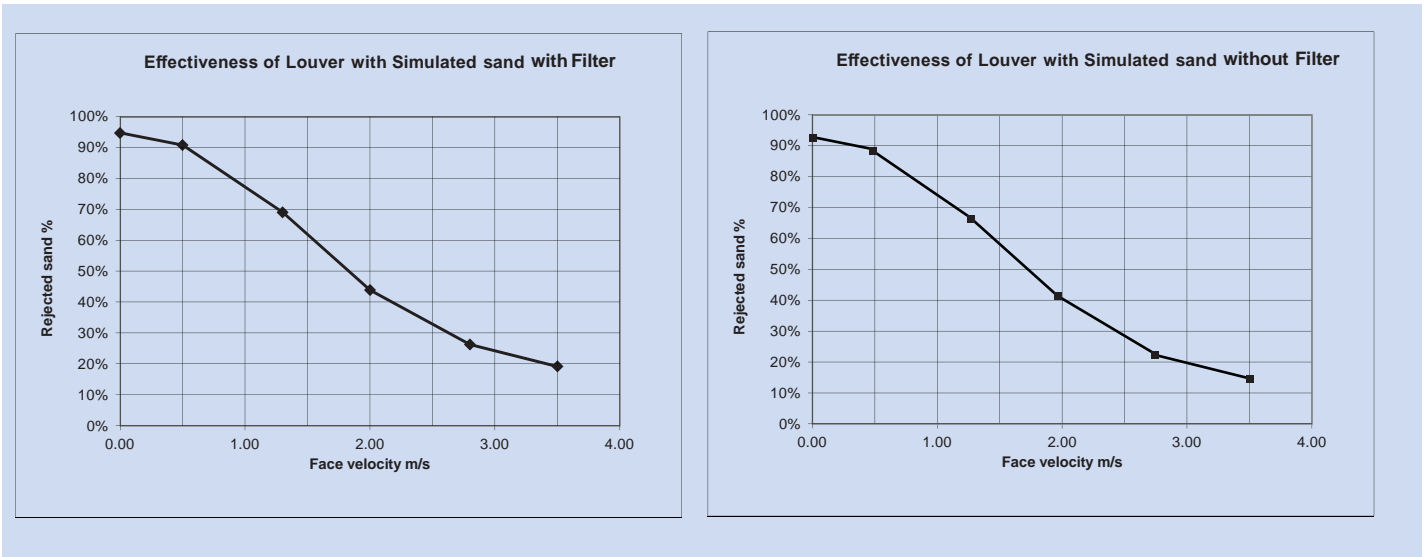
B-10/20 Series

Model : STL-AB-11A Sand Rejection V/S Face Velocity Graph. (as per BSRIA)



Sand Rejection Efficiency (as per BSRIA) Model : STL-AB-11						
Description	STL		STL + F1		STL+F1+D+F2+F3	
Face Velocity	0.5 mt/s	1.0 mt/s	0.5 mt/s	1.0 mt/s	0.5 mt/s	1.0 mt/s
Partical Size	150-700	150-700	75-150	75-150	75-150	75-150
% Efficiency	92%	75%	95%	77%	98%	96%

Model : STL-BC-22C Sand Rejection V/S Face Velocity Graph. (as per BSRIA)

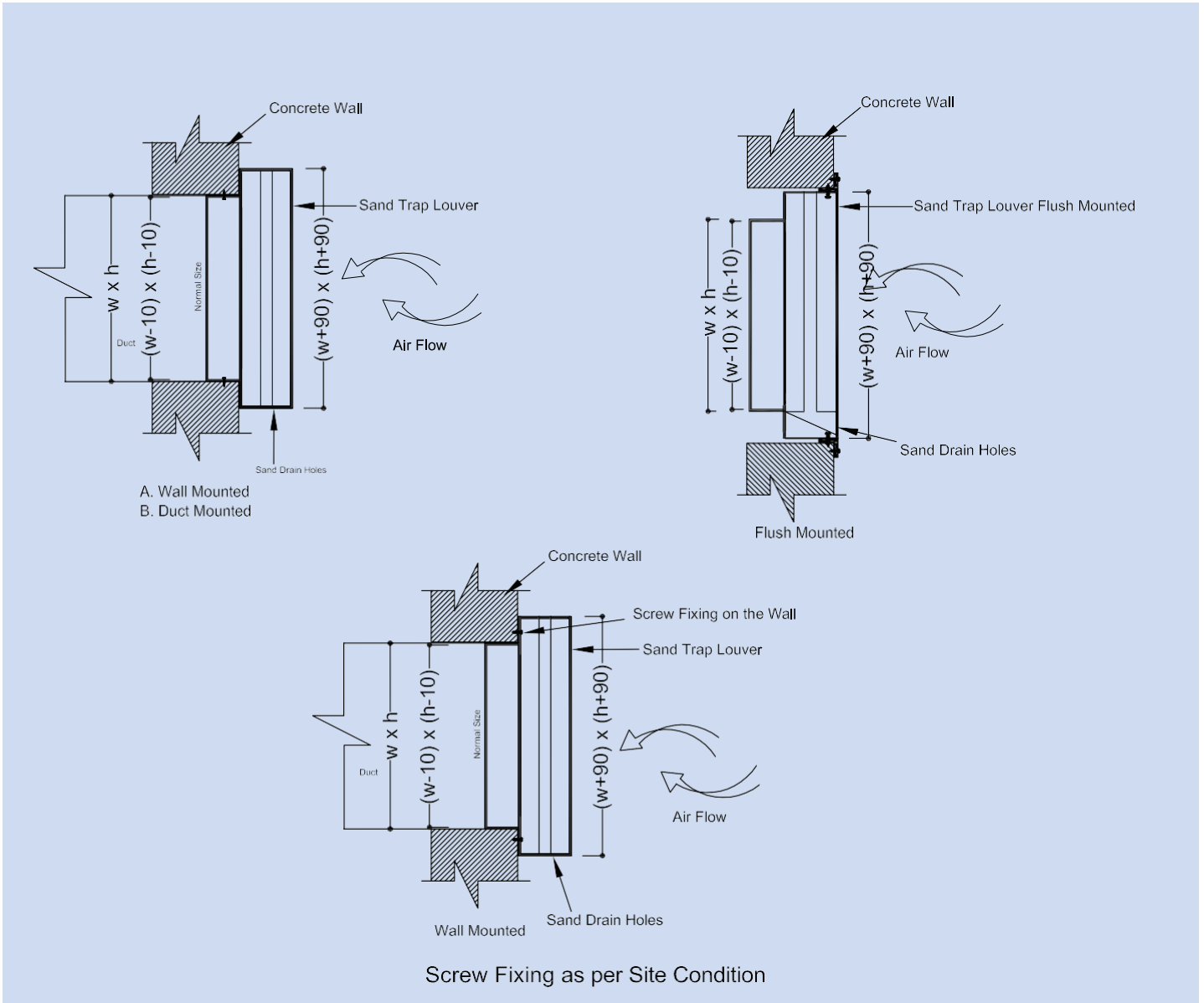


Sand Rejection Efficiency (as per BSRIA) Model : STL-BC-22C						
Description	STL		STL + F1		STL+F1+D+F2+F3	
Face Velocity	0.5 mt/s	1.0 mt/s	0.5 mt/s	1.0 mt/s	0.5 mt/s	1.0 mt/s
Partical Size	150-700	150-700	75-150	75-150	75-150	75-150
% Efficiency	89%	75%	92%	78%	98%	96%

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



Installation Details



Note :

Fixing Details - Standard supply type screw fixing
Recommended for side wall applications.

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.

