



ALSHARQA

DRUM DIFFUSER



AIR OUTLETS
TECHNICAL CATALOGUE



Air Conditioning and Industries

المصرية الخليجية لأعمال التكييف
*egyptian gulf for the work
of air conditioning*



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DRUM LOUVER

CONSTRUCTION

- **Frame :** Constructed with high quality extruded aluminum profiles.
- **Drum :** Aluminum sheet and specially shaped extruded aluminum profiles.
- **Blades:** High quality extruded aluminum adjustable directional blades.
- **Damper:** Opposed blade damper made with aluminum profiles.



DESCRIPTION

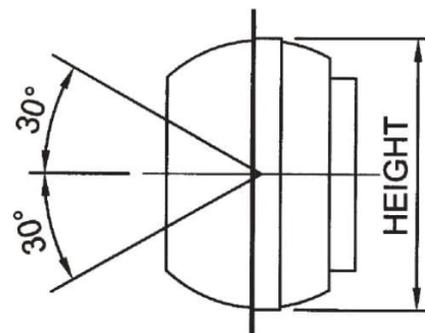
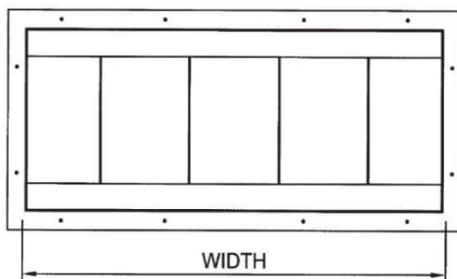
-Blades are fixed inside the drum body made with aluminum sheets and specially shaped profiles and the opposed blade damper is attached to the drum body. The whole assembly is fixed to the frame by mechanical fasteners so as to enable rotation in the vertical direction.

-The opposed blade damper in supply diffuser can be easily adjusted through the face of the unit by means of screw driver.

-The louver is suitable for both long and short throw patterns with trajectory control.

-The drum can be adjusted in the vertical direction 0° to 30° up or down to direct the air throw in the desired direction.

-Foam gasket is sealed around the back of the Frame to avoid air leakage.



AIR FLOW DATA

Model: SDL

Neck Velocity	Size	225x150 175x200	750x150 550x200	1500x150 1100x200	1600x200 1250x250	1750x250 1500x300	1750x300 1250x375
1	CFM	83	261	475	651	914	1363
	NC	<15	<15	<15	<15	<15	<15
	P _s in mm of H ₂ O	0.45	0.275	0.20	0.175	0.125	0.1
	THROW in M	1-1.2-1.5	3.9-5.8-8.8	4.6-6.0-10.0	7-9.1-14.3	7.3-9.4-15.2	7.0-10.4-17.9
1.5	CFM	124	390	713	974	1373	1615
	NC	<15	15	<15	<15	<15	<15
	P _s in mm of H ₂ O	1.025	0.675	0.375	0.375	0.3	0.275
	THROW in M	1.8-2.1-3.7	4.5-6.0-10.0	7.0-9.1-14.3	7.6-9.7-15.8	7.6-10.6-17.9	8.2-10.6-19.2
2	CFM	162	523	950	1297	1829	2157
	NC	15	16	15	15	16	17
	P _s in mm of H ₂ O	1.75	1.15	0.7	0.7	0.55	0.525
	THROW in M	2.7-3.7-6.0	5.8-7.6-12.1	7.6-9.8-15.8	9.1-11.5-18.2	9.4-12.1-21.3	10.0-13.1-21.9
2.5	CFM	204	651	1188	1625	2285	2693
	NC	16	18	20	21	23	25
	P _s in mm of H ₂ O	2.8	1.825	1.05	1.05	0.85	0.8
	THROW in M	3.4-4.9-7.3	7-9.1-14.3	8.8-11.9-18.6	10.3-13.1-21.3	12.8-15.8-27.4	13.1-16.7-30.4
3	CFM	247	781	1425	1948	2741	3230
	NC	18	23	28	30	32	31
	P _s in mm of H ₂ O	4.125	2.7	1.575	1.575	1.25	1.175
	THROW in M	4.0-5.8-8.8	7.9-10.9-16.7	10.9-14.0-21	13.4-16.1-24.9	14.3-17.9-30.4	17.3-21.3-37.4
3.5	CFM	285	912	1663	2275	3197	3772
	NC	24	30	33	33	35	35
	P _s in mm of H ₂ O	5.475	3.625	2.175	2.175	1.7	1.6
	THROW in M	4.9-6.4-9.8	9.4-12.4-18.8	13.1-15.8-24.9	14.6-17.9-27.7	17.0-21.0-36.5	20.1-25.9-43.0
4	CFM	333	1040	1900	2598	3658	4308
	NC	27	35	39	40	40	43
	P _s in mm of H ₂ O	7.475	4.5	2.825	2.825	2.2	2.05
	THROW in M	5.4-7.0-10.7	10.0-13.1-20.1	14.3-17.0-27.7	16.4-19.8-30.4	19.8-24.0-41.1	23.1-25.9-48.7
4.5	CFM	380	1173	2138	2921	4114	4850
	NC	31	39	43	44	47	48
	P _s in mm of H ₂ O	9.8	5.975	3.55	3.55	2.775	2.6
	THROW in M	5.8-7.9-11.6	10.7-14.0-21.0	15.2-18.2-29.5	18.5-21.9-33.8	21.3-25.9-43.5	25.9-32.3-53.3
5	CFM	413	1302	2375	3249	4570	5387
	NC	36	43	47	48	49	50
	P _s in mm of H ₂ O	11.55	7.2	4.425	4.425	3.45	3.225
	THROW in M	6.0-8.2-11.9	10.9-14.3-21	16.4-19.2-30.4	18.8-22.2-34.1	22.2-24.3-45.7	26.2-33.5-54.8

- Neck velocity is measured in m/sec.
- P_s Static pressure in mm of H₂O.
- Throw (meters) is measured for a terminal velocity of 0.75, 0.5 and 0.25 m/sec.
- NC based on a room attenuation of 10 dB.



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