

Flowbar with Continuous Slot Plenum & JetThrow Pattern Controller

FL-10

25.4 mm Slot Width	1 Slot	Air Flow, l/s-m	31	62	93	124	155	186	217
		Static Pressure, Pa	2	7	15	27	42	61	83
		NC (Noise Criteria)	<10	<10	17	24	28	32	36
		Throw, m	0.5 - 1 - 2.3	1.3 - 2.3 - 4	2.3 - 3 - 5.8	2.8 - 4 - 6.8	3.3 - 5.3 - 7.3	4 - 5.8 - 8	4.5 - 6 - 8.8
	2 Slots	Air Flow, l/s-m	62	132	201	271	341	410	480
		Static Pressure, Pa	2	8	18	32	51	74	102
		NC (Noise Criteria)	<10	14	22	29	34	38	42
		Throw, m	1 - 1.5 - 2.8	2.3 - 3 - 6	3 - 4.5 - 8.3	4.3 - 6 - 9.8	5.3 - 7.5 - 11	6.5 - 8.5 - 12	7.3 - 9.3 - 12.8

FL-15

38.1 mm Slot Width	1 Slot	Air Flow, l/s-m	46	93	139	186	232	279	325
		Static Pressure, Pa	2	8	18	31	49	70	95
		NC (Noise Criteria)	<10	<10	13	22	28	34	40
		Throw, m	0.5 - 1.3 - 2.3	1.5 - 2.3 - 4.5	2.3 - 3.3 - 6.8	3 - 4.5 - 8	3.8 - 5.5 - 9.3	4.5 - 6.8 - 9.8	5.3 - 7.5 - 10.8
	2 Slots	Air Flow, l/s-m	93	186	279	372	464	557	650
		Static Pressure, Pa	2	8	18	31	49	70	95
		NC (Noise Criteria)	<10	<10	17	25	32	37	43
		Throw, m	0.5 - 1.5 - 3	2.3 - 3 - 6.5	3 - 4.5 - 9.5	4.3 - 6.5 - 11.3	5.3 - 8 - 12.8	6.5 - 9.5 - 14	7.3 - 10.8 - 15

FL-20

50.8 mm Slot Width	1 Slot	Air Flow, l/s-m	54	116	178	240	302	364	426
		Static Pressure, Pa	1	7	15	28	44	64	88
		NC (Noise Criteria)	<10	18	24	28	32	37	40
		Throw, m	0.3 - 1 - 2.3	1.5 - 2.5 - 4.5	2.5 - 3.8 - 7	3 - 5 - 9.3	4 - 6 - 10.3	5 - 7.3 - 11.3	5.5 - 8.5 - 12.3
	2 Slots	Air Flow, l/s-m	108	232	356	480	604	728	851
		Static Pressure, Pa	1	7	15	28	44	64	88
		NC (Noise Criteria)	12	22	28	32	36	40	43
		Throw, m	0.5 - 1.3 - 3	2.3 - 3.3 - 6.5	3.3 - 5 - 10	4.5 - 6.8 - 12.8	5.5 - 8.5 - 14.8	6.8 - 10 - 15.8	8 - 12 - 17.3

FL-25

63.5 mm Slot Width	1 Slot	Air Flow, l/s-m	62	147	232	317	402	488	573
		Static Pressure, Pa	1	7	17	31	51	74	102
		NC (Noise Criteria)	<10	<10	18	25	30	35	39
		Throw, m	0.3 - 1 - 2.3	1.8 - 2.5 - 5.3	2.8 - 4 - 8	3.8 - 5.5 - 10.8	4.5 - 7 - 12	5.5 - 8.5 - 13	6.8 - 10 - 14
	2 Slots	Air Flow, l/s-m	124	294	464	635	805	975	1146
		Static Pressure, Pa	1	7	17	31	51	74	102
		NC (Noise Criteria)	<10	12	22	28	34	38	42
		Throw, m	0.5 - 1.3 - 3	2.5 - 3.8 - 7.3	3.8 - 5.8 - 11.3	5.3 - 8 - 15	6.8 - 9.8 - 16.8	8 - 12 - 18.3	9.5 - 14 - 20

FL-30

76.2 mm Slot Width	1 Slot	Air Flow, l/s-m	77	178	279	379	480	580	681
		Static Pressure, Pa	1	7	17	31	50	73	100
		NC (Noise Criteria)	<10	<10	15	24	30	35	40
		Throw, m	0.3 - 1 - 2.5	1.8 - 2.8 - 5.5	2.8 - 4.3 - 8.5	4 - 5.8 - 11.5	5 - 7.3 - 12.8	6 - 8.8 - 14.3	7 - 10.3 - 15.5
	2 Slots	Air Flow, l/s-m	155	356	557	759	960	1161	1362
		Static Pressure, Pa	1	7	17	31	50	73	100
		NC (Noise Criteria)	<10	<10	19	27	34	39	43
		Throw, m	0.5 - 1.3 - 3.3	2.5 - 4 - 7.5	4 - 6 - 12.3	5.5 - 8.3 - 16.3	7 - 10.3 - 18.3	8.5 - 12.8 - 20	10 - 15 - 21.8

Table A, NC Correction for length

Length, mm	600	1225	1825	2450	3050
Supply	-3	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Table B, Throw Correction Multiplier for length

Length, mm	600	1225	2450	3050	3650
Throw Correction	0.72	1	1.5	1.7	1.8

All pressures are given in Pascal

Pressure loss data assumes a duct velocity less than 4 mps in the inlet duct

Isothermal throw values are given for terminal velocities of .8, .5, and .3 mps.

Throw data are based on active sections 1225mm active section. For a 600 mm section, the throw

values are 0.72 times those shown. For a 3050 mm continuous length, the throw values are 1.7 times those shown, 1.8 for 3650 mm units.

Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th,

with a room absorption of 10dB, re 10<sup>-12</sup> Watts, for a 1225 mm section. (See Table A for other lengths.) For supply units used as a return, add 3 NC.

Data was obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991, " Method of Testing for Rating the Performance of Air Outlets and Inlets."

The tests were conducted with no Plenum effect for pressure or sound.

Throw values for HighThrow units are based on a 1-way discharge from the slot.

Throws listed are for the 1-way air pattern. For divide airflow, select the airflow in each direction

according to the number of slots aimed in that direction, with the total airflow apportioned between slots.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric

• contact factory for availability of sizes •



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1 Slot, Jet Throw with TITUS Plenum

FL-10 with 200 mm inlet

25.4 mm Slot Width	Length 600 mm	Air Flow, l/s	24	45	66	87	109	130	151
		Total Pressure, Pa	3	11	23	41	63	90	121
		Static Pressure, Pa	3	10	21	36	56	80	108
		NC (Noise Criteria)	< 10	< 10	16	23	29	34	39
		Throw, m	0.5 - 1 - 1.8	1.3 - 1.8 - 3.3	1.5 - 2.5 - 4.3	2.3 - 3.3 - 5	2.8 - 4 - 5.5	3.3 - 4.3 - 6	3.8 - 4.5 - 6.8
	Length 1225 mm	Air Flow, l/s	47	83	118	153	189	224	260
		Total Pressure, Pa	4	12	25	41	63	88	119
		Static Pressure, Pa	3	8	17	28	42	60	80
		NC (Noise Criteria)	< 10	< 10	18	25	30	34	38
		Throw, m	1 - 1.3 - 2.5	1.5 - 2.3 - 4.3	2.3 - 3 - 5.8	2.8 - 4 - 6.8	3.3 - 5.3 - 7.3	4 - 5.8 - 8	4.5 - 6 - 8.5
	Length 1525 mm	Air Flow, l/s	52	92	132	172	212	252	293
		Total Pressure, Pa	4	11	23	40	60	85	114
		Static Pressure, Pa	2	6	13	23	34	48	65
		NC (Noise Criteria)	< 10	< 10	17	24	29	33	37
		Throw, m	1 - 1.3 - 2.5	1.5 - 2.3 - 4.3	2.3 - 3 - 6	2.8 - 4 - 7	3.3 - 5.3 - 8	4 - 6 - 8.5	4.5 - 6.5 - 9.3

FL-15 with 200 mm inlet

38.1 mm Slot Width	Length 600 mm	Air Flow, l/s	28	52	76	99	123	146	170
		Total Pressure, Pa	3	11	24	42	64	91	122
		Static Pressure, Pa	2	7	14	24	37	52	70
		NC (Noise Criteria)	< 10	< 10	< 10	16	24	31	37
		Throw, m	0.3 - 1 - 1.5	1 - 1.5 - 2.8	1.5 - 2.3 - 4.3	1.8 - 2.8 - 5.3	2.3 - 3.3 - 5.8	2.8 - 4 - 6.5	3 - 4.5 - 7
	Length 1225 mm	Air Flow, l/s	57	85	113	142	170	198	227
		Total Pressure, Pa	8	17	31	48	70	95	124
		Static Pressure, Pa	2	4	8	12	18	24	31
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	16	22	27
		Throw, m	0.5 - 1.3 - 2.3	1.3 - 1.5 - 3.3	1.5 - 2.3 - 4.5	1.8 - 2.8 - 5.5	2.3 - 3.3 - 6.8	2.5 - 4 - 7.5	3 - 4.5 - 8
	Length 1525 mm	Air Flow, l/s	66	94	123	151	179	208	236
		Total Pressure, Pa	10	20	33	50	71	95	122
		Static Pressure, Pa	2	3	6	9	13	17	22
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	12	17	22
		Throw, m	0.5 - 1.3 - 2.5	1.3 - 1.5 - 3.3	1.5 - 2.3 - 4.3	1.8 - 2.8 - 5.3	2.3 - 3 - 6.5	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.3

FL-20 with 200 mm inlet

50.8 mm Slot Width	Length 600 mm	Air Flow, l/s	33	66	99	132	165	198	231
		Total Pressure, Pa	2	8	18	33	51	74	100
		Static Pressure, Pa	1	6	13	23	36	51	70
		NC (Noise Criteria)	< 10	< 10	14	21	27	33	38
		Throw, m	0.3 - 0.5 - 1.5	1 - 1.5 - 3	1.5 - 2.3 - 4.5	2.3 - 3 - 6	2.5 - 3.8 - 7	3 - 4.5 - 7.5	3.8 - 5.3 - 8.3
	Length 1225 mm	Air Flow, l/s	66	113	160	208	255	302	349
		Total Pressure, Pa	4	12	23	39	58	82	110
		Static Pressure, Pa	1	4	8	14	21	30	40
		NC (Noise Criteria)	< 10	12	21	27	32	36	40
		Throw, m	0.3 - 1 - 2.3	1.3 - 1.8 - 3.8	1.8 - 2.8 - 5.3	2.3 - 3.3 - 6.8	2.8 - 4.3 - 8.3	3.3 - 5 - 9.3	3.8 - 5.8 - 10
	Length 1525 mm	Air Flow, l/s	71	123	175	227	278	330	382
		Total Pressure, Pa	4	12	24	40	61	85	114
		Static Pressure, Pa	1	3	6	11	16	23	30
		NC (Noise Criteria)	< 10	13	21	27	32	36	40
		Throw, m	0.3 - 1 - 2.3	1 - 1.8 - 3.8	1.8 - 2.5 - 5.3	2.3 - 3.3 - 6.8	2.8 - 4 - 8.3	3 - 5 - 9.5	3.8 - 5.5 - 10.3

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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1 Slot, Jet Throw with TITUS Plenum

FL-10 with 250 mm inlet

25.4 mm Slot Width	Length 600 mm	Air Flow, l/s	24	45	66	87	109	130	151
		Total Pressure, Pa	3	10	22	38	59	84	114
		Static Pressure, Pa	3	10	21	36	56	80	108
		NC (Noise Criteria)	< 10	< 10	16	22	28	33	38
	Throw, m	0.5 - 1 - 1.8	1.3 - 1.8 - 3.3	1.5 - 2.5 - 4.3	2.3 - 3.3 - 5	2.8 - 4 - 5.5	3.3 - 4.3 - 6	3.8 - 4.5 - 6.8	
	Length 1225 mm	Air Flow, l/s	47	85	123	160	198	236	274
		Total Pressure, Pa	3	10	21	37	56	79	107
		Static Pressure, Pa	3	9	18	31	47	66	89
		NC (Noise Criteria)	< 10	< 10	18	25	30	35	39
	Throw, m	1 - 1.3 - 2.5	1.5 - 2.3 - 4.5	2.3 - 3.3 - 5.8	2.8 - 4.3 - 6.8	3.8 - 5.3 - 7.5	4.3 - 5.8 - 8.3	5 - 6.5 - 8.8	
	Length 1525 mm	Air Flow, l/s	52	99	146	193	241	288	335
		Total Pressure, Pa	3	10	21	37	58	82	112
Static Pressure, Pa		2	7	16	28	44	63	85	
NC (Noise Criteria)		< 10	< 10	19	26	31	35	40	
Throw, m	1 - 1.3 - 2.5	1.5 - 2.5 - 5	2.5 - 3.3 - 6.5	3 - 4.5 - 7.3	4 - 5.8 - 8.3	4.5 - 6.5 - 9.3	5.5 - 7 - 9.8		

FL-15 with 250 mm inlet

38.1 mm Slot Width	Length 600 mm	Air Flow, l/s	28	59	90	120	151	182	212
		Total Pressure, Pa	2	9	21	39	61	88	120
		Static Pressure, Pa	2	8	20	35	55	80	110
		NC (Noise Criteria)	< 10	< 10	< 10	19	28	36	44
	Throw, m	0.3 - 1 - 1.5	1.3 - 1.5 - 3.3	1.5 - 2.5 - 5	2.3 - 3.3 - 5.8	2.8 - 4.3 - 6.8	3.3 - 5.3 - 7.3	4 - 5.5 - 8	
	Length 1225 mm	Air Flow, l/s	57	109	160	212	264	316	368
		Total Pressure, Pa	3	10	22	38	59	84	114
		Static Pressure, Pa	2	7	16	27	42	61	82
		NC (Noise Criteria)	< 10	< 10	10	20	29	36	42
	Throw, m	0.5 - 1.3 - 2.3	1.5 - 2.3 - 4.3	2.3 - 3 - 6.5	2.8 - 4.3 - 8	3.3 - 5.3 - 8.8	4.3 - 6 - 9.5	5 - 7.3 - 10.3	
	Length 1525 mm	Air Flow, l/s	66	125	184	243	302	361	420
		Total Pressure, Pa	3	10	21	37	57	81	110
Static Pressure, Pa		2	6	13	23	35	51	69	
NC (Noise Criteria)		< 10	< 10	< 10	19	27	34	40	
Throw, m	0.5 - 1.3 - 2.5	1.5 - 2.3 - 4.3	2.3 - 3.3 - 6.5	2.8 - 4.3 - 8.3	3.8 - 5.3 - 9.3	4.3 - 6.5 - 10	5 - 7.3 - 11		

FL-20 with 250 mm inlet

50.8 mm Slot Width	Length 600 mm	Air Flow, l/s	33	71	109	146	184	222	260
		Total Pressure, Pa	2	8	18	33	52	76	104
		Static Pressure, Pa	1	7	15	28	44	64	88
		NC (Noise Criteria)	< 10	< 10	11	18	26	31	36
	Throw, m	0.3 - 0.5 - 1.5	1.3 - 1.5 - 3.3	1.5 - 2.5 - 5	2.3 - 3.3 - 6.5	2.8 - 4.3 - 7.3	3.3 - 5.3 - 8	4 - 6 - 8.5	
	Length 1225 mm	Air Flow, l/s	66	125	184	243	302	361	420
		Total Pressure, Pa	2	9	19	33	51	73	99
		Static Pressure, Pa	1	5	11	19	30	43	58
		NC (Noise Criteria)	< 10	10	19	25	30	36	41
	Throw, m	0.3 - 1 - 2.3	1.3 - 2.3 - 4	2.3 - 3 - 6	2.8 - 4 - 8	3.3 - 5 - 9.3	4 - 5.8 - 10	4.5 - 6.8 - 11	
	Length 1525 mm	Air Flow, l/s	71	142	212	283	354	425	496
		Total Pressure, Pa	2	9	20	36	56	80	109
Static Pressure, Pa		1	4	9	17	26	38	51	
NC (Noise Criteria)		< 10	11	21	27	33	37	42	
Throw, m	0.3 - 1 - 2.3	1.3 - 2.3 - 4	2.3 - 3 - 6	2.8 - 4 - 8.3	3.3 - 5.3 - 10	4 - 6 - 11	5 - 7.3 - 12		

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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1 Slot, Jet Throw with TITUS Plenum

FL-25 with 250 mm inlet

63.5 mm Slot Width	Length 600 mm	Air Flow, l/s	38	85	132	179	227	274	321
		Total Pressure, Pa	2	8	19	35	55	81	111
		Static Pressure, Pa	1	6	15	27	43	63	87
		NC (Noise Criteria)	< 10	< 10	< 10	13	21	28	34
		Throw, m	0.3 - 0.5 - 1.5	1.3 - 1.8 - 3.3	1.8 - 2.8 - 5.3	2.5 - 3.8 - 7	3 - 4.5 - 8	3.8 - 5.5 - 8.8	4.3 - 6.5 - 9.5
	Length 1225 mm	Air Flow, l/s	71	142	212	283	354	425	496
		Total Pressure, Pa	2	9	20	36	56	80	109
		Static Pressure, Pa	1	4	9	17	26	38	52
		NC (Noise Criteria)	< 10	< 10	< 10	17	24	30	36
		Throw, m	0.3 - 0.5 - 2.3	1.3 - 2.3 - 4	2.3 - 3 - 6	2.8 - 4 - 8	3.3 - 5 - 10	4 - 6 - 11	4.5 - 7 - 12
	Length 1525 mm	Air Flow, l/s	76	156	236	316	396	477	557
		Total Pressure, Pa	2	9	21	37	58	84	114
		Static Pressure, Pa	1	3	7	13	21	31	42
		NC (Noise Criteria)	< 10	< 10	< 10	16	24	30	36
		Throw, m	0.3 - 0.5 - 1.8	1.3 - 1.8 - 4	2.3 - 3 - 6	2.8 - 4 - 8	3.3 - 5.3 - 10	4 - 6 - 11.5	4.5 - 7 - 12.5

FL-30 with 250 mm inlet

76.2 mm Slot Width	Length 600 mm	Air Flow, l/s	47	101	156	210	264	319	373
		Total Pressure, Pa	2	8	20	36	57	83	113
		Static Pressure, Pa	1	6	14	26	41	59	81
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	15	24	31
		Throw, m	0.3 - 0.5 - 1.8	1.3 - 1.8 - 3.8	1.8 - 2.8 - 5.5	2.5 - 3.8 - 7.5	3 - 5 - 8.8	3.8 - 5.8 - 9.5	4.5 - 6.8 - 10.3
	Length 1225 mm	Air Flow, l/s	94	170	245	321	396	472	547
		Total Pressure, Pa	3	11	23	39	60	85	114
		Static Pressure, Pa	1	4	9	15	23	32	44
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	13	21	27
		Throw, m	0.3 - 1 - 2.5	1.3 - 2.3 - 4.3	2.3 - 3 - 6	2.8 - 4 - 8.3	3.3 - 5 - 10	4 - 6 - 11.5	4.5 - 7 - 12.5
	Length 1525 mm	Air Flow, l/s	113	193	274	354	434	514	595
		Total Pressure, Pa	4	12	25	41	62	87	116
		Static Pressure, Pa	1	3	7	12	18	25	33
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	10	18	24
		Throw, m	0.3 - 1 - 2.5	1.3 - 2.3 - 4.3	2.3 - 3 - 6	2.8 - 4 - 8	3.3 - 5 - 9.8	4 - 5.8 - 11.5	4.5 - 6.8 - 13

- All pressures are given in Pascal
- Isothermal throw values are given for terminal velocities of .8, .5, and .3 mps.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10dB, re 10<sup>-12</sup> Watts.
- Data was obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991. " Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by TITUS may demonstrate performance variations from data published by TITUS. TITUS cannot guarantee performance if a factory engineered plenum is not provided.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (Vertical blow).
- Throws listed are for the 1-way air pattern. For divide airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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1 Slot, Jet Throw with TITUS Plenum

FL-10 with 300 mm inlet

25.4 mm Slot Width	Length 600 mm	Air Flow, l/s	24	45	66	87	109	130	151
		Total Pressure, Pa	3	10	21	37	57	82	111
		Static Pressure, Pa	3	10	21	36	56	80	108
		NC (Noise Criteria)	< 10	< 10	15	22	27	32	38
		Throw, m	0.5 - 1 - 1.8	1.3 - 1.8 - 3.3	1.5 - 2.5 - 4.3	2.3 - 3.3 - 5	2.8 - 4 - 5.5	3.3 - 4.3 - 6	3.8 - 4.5 - 6.8
	Length 1225 mm	Air Flow, l/s	47	90	132	175	217	260	302
		Total Pressure, Pa	3	10	23	40	61	88	119
		Static Pressure, Pa	3	10	21	36	56	80	108
		NC (Noise Criteria)	< 10	10	19	26	32	37	42
		Throw, m	1 - 1.3 - 2.5	1.5 - 2.5 - 5	2.5 - 3.8 - 6	3 - 4.5 - 7	4 - 5.5 - 8	4.5 - 6 - 8.5	5.5 - 6.8 - 9.3
	Length 1525 mm	Air Flow, l/s	52	104	156	208	260	311	363
		Total Pressure, Pa	2	9	21	38	59	85	115
Static Pressure, Pa		2	8	18	33	51	74	100	
NC (Noise Criteria)		< 10	< 10	20	27	32	37	42	
Throw, m		1 - 1.3 - 2.5	1.5 - 2.5 - 5	2.5 - 3.8 - 6.8	3.3 - 5 - 7.5	4.3 - 6 - 8.5	5 - 6.8 - 9.5	5.8 - 7.3 - 10	

FL-15 with 300 mm inlet

38.1 mm Slot Width	Length 600 mm	Air Flow, l/s	28	59	90	120	151	182	212
		Total Pressure, Pa	2	9	20	37	58	84	115
		Static Pressure, Pa	2	8	20	35	55	80	110
		NC (Noise Criteria)	< 10	< 10	< 10	18	27	35	43
		Throw, m	0.3 - 1 - 1.5	1.3 - 1.5 - 3.3	1.5 - 2.5 - 5	2.3 - 3.3 - 5.8	2.8 - 4.3 - 6.8	3.3 - 5.3 - 7.3	4 - 5.5 - 8
	Length 1225 mm	Air Flow, l/s	57	113	170	227	283	340	396
		Total Pressure, Pa	2	9	21	37	58	83	113
		Static Pressure, Pa	2	8	18	31	49	70	95
		NC (Noise Criteria)	< 10	< 10	10	21	30	37	45
		Throw, m	0.5 - 1.3 - 2.3	1.5 - 2.3 - 4.5	2.3 - 3.3 - 6.8	3 - 4.5 - 8	3.8 - 5.5 - 9.3	4.5 - 6.8 - 9.8	5.3 - 7.5 - 10.8
	Length 1525 mm	Air Flow, l/s	66	132	198	264	330	396	463
		Total Pressure, Pa	2	9	20	35	55	79	107
Static Pressure, Pa		2	7	15	27	42	61	83	
NC (Noise Criteria)		< 10	< 10	10	21	29	36	43	
Throw, m		0.5 - 1.3 - 2.5	1.5 - 2.5 - 4.5	2.5 - 3.3 - 7	3 - 4.5 - 8.8	4 - 5.8 - 9.8	4.5 - 7 - 10.8	5.5 - 8.3 - 11.5	

FL-20 with 300 mm inlet

50.8 mm Slot Width	Length 600 mm	Air Flow, l/s	33	76	118	160	203	245	288
		Total Pressure, Pa	2	8	20	36	58	85	117
		Static Pressure, Pa	1	7	18	34	54	79	108
		NC (Noise Criteria)	< 10	< 10	< 10	17	25	31	36
		Throw, m	0.3 - 0.5 - 1.5	1.3 - 1.8 - 3.3	1.8 - 2.8 - 5.5	2.5 - 3.8 - 6.8	3 - 4.5 - 7.5	3.8 - 5.5 - 8.3	4.3 - 6.5 - 9.3
	Length 1225 mm	Air Flow, l/s	66	137	208	278	349	420	491
		Total Pressure, Pa	2	8	19	34	54	77	106
		Static Pressure, Pa	1	6	14	25	40	58	79
		NC (Noise Criteria)	< 10	< 10	17	24	31	37	41
		Throw, m	0.3 - 1 - 2.3	1.5 - 2.3 - 4.5	2.3 - 3.3 - 6.8	3 - 4.5 - 8.8	3.8 - 5.8 - 10	4.5 - 6.8 - 11	5.3 - 8 - 12
	Length 1525 mm	Air Flow, l/s	71	156	241	326	411	496	580
		Total Pressure, Pa	2	8	19	34	54	79	108
Static Pressure, Pa		1	5	12	22	35	51	70	
NC (Noise Criteria)		< 10	< 10	19	26	32	38	43	
Throw, m		0.3 - 1 - 2.3	1.5 - 2.3 - 4.5	2.5 - 3.3 - 7	3 - 5 - 9.5	4 - 6 - 11	5 - 7.3 - 12	5.5 - 8.5 - 12.8	

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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1 Slot, Jet Throw with TITUS Plenum

FL-25 with 300 mm inlet

63.5 mm Slot Width	Length 600 mm	Air Flow, l/s	38	90	142	193	245	297	349
		Total Pressure, Pa	1	8	19	36	57	84	116
		Static Pressure, Pa	1	7	17	31	51	74	102
		NC (Noise Criteria)	< 10	< 10	< 10	12	20	26	33
		Throw, m	0.3 - 0.5 - 1.5	1.3 - 1.8 - 3.8	1.8 - 2.8 - 5.8	2.8 - 4 - 7.3	3.3 - 5 - 8.3	4 - 6 - 9.3	4.5 - 7 - 10
	Length 1225 mm	Air Flow, l/s	71	158	245	333	420	507	595
		Total Pressure, Pa	2	8	19	36	57	83	114
		Static Pressure, Pa	1	5	13	23	37	54	74
		NC (Noise Criteria)	< 10	< 10	< 10	18	26	32	38
		Throw, m	0.3 - 0.5 - 2.3	1.5 - 2.3 - 4.5	2.5 - 3.3 - 7	3 - 5 - 9.5	4 - 6 - 11	5 - 7.3 - 12.3	5.5 - 8.5 - 13
	Length 1525 mm	Air Flow, l/s	76	175	274	373	472	571	670
		Total Pressure, Pa	1	8	19	34	55	81	111
		Static Pressure, Pa	1	4	10	19	30	44	60
		NC (Noise Criteria)	< 10	< 10	< 10	18	26	32	38
		Throw, m	0.3 - 0.5 - 1.8	1.5 - 2.3 - 4.5	2.5 - 3.3 - 7	3 - 5 - 9.5	4 - 6 - 11.5	5 - 7.3 - 12.8	5.8 - 8.5 - 13.8

FL-30 with 300 mm inlet

76.2 mm Slot Width	Length 600 mm	Air Flow, l/s	47	106	165	224	283	342	401
		Total Pressure, Pa	2	8	19	35	56	81	112
		Static Pressure, Pa	1	7	16	29	47	68	94
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	15	24	31
		Throw, m	0.3 - 0.5 - 1.8	1.3 - 1.8 - 3.8	1.8 - 3 - 5.8	2.8 - 4 - 8	3.3 - 5.3 - 9.3	4 - 6 - 9.8	5 - 7.3 - 10.8
	Length 1225 mm	Air Flow, l/s	94	189	283	378	472	566	661
		Total Pressure, Pa	2	9	21	37	58	83	113
		Static Pressure, Pa	1	5	12	21	32	47	63
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	17	25	32
		Throw, m	0.3 - 1 - 2.5	1.5 - 2.5 - 5	2.5 - 3.8 - 7.3	3 - 5 - 9.5	4 - 6 - 11.5	5 - 7.3 - 12.8	5.5 - 8.3 - 13.8
	Length 1525 mm	Air Flow, l/s	113	217	321	425	529	632	736
		Total Pressure, Pa	3	10	21	37	58	82	112
		Static Pressure, Pa	1	4	10	17	26	37	50
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	15	24	30
		Throw, m	0.3 - 1 - 2.5	1.5 - 2.5 - 5	2.5 - 3.8 - 7.3	3.3 - 5 - 9.8	4 - 6 - 12	5 - 7 - 13.5	5.5 - 8.3 - 14.8

- All pressures are given in Pascal
- Isothermal throw values are given for terminal velocities of .8, .5, and .3 mps.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10dB, re 10<sup>-12</sup> Watts.
- Data was obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991. " Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by TITUS may demonstrate performance variations from data published by TITUS. TITUS cannot guarantee performance if a factory engineered plenum is not provided.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (Vertical blow).
- Throws listed are for the 1-way air pattern. For divide airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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2 Slot, Jet Throw with TITUS Plenum

FL-10 with 200 mm inlet

25.4 mm Slot Width	Length 600 mm	Air Flow, l/s	38	73	109	144	179	215	250
		Total Pressure, Pa	3	9	21	36	57	81	110
		Static Pressure, Pa	2	6	14	25	38	55	74
		NC (Noise Criteria)	< 10	< 10	16	23	29	33	37
		Throw, m	0.5 - 1 - 2.3	1.3 - 1.8 - 4	1.8 - 3 - 5.5	2.5 - 4 - 6.5	3 - 5 - 7	4 - 5.5 - 8	4.5 - 6 - 8.5
	Length 1225 mm	Air Flow, l/s	76	123	170	217	264	311	359
		Total Pressure, Pa	5	13	25	41	61	84	112
		Static Pressure, Pa	2	4	9	14	21	29	38
		NC (Noise Criteria)	< 10	< 10	15	21	26	30	33
		Throw, m	1 - 1.5 - 2.8	1.5 - 2.5 - 4.5	2.3 - 3.3 - 6.5	2.8 - 4 - 8	3.3 - 5 - 8.8	4 - 5.8 - 9.5	4.5 - 6.8 - 10
	Length 1525 mm	Air Flow, l/s	94	142	189	236	283	330	378
		Total Pressure, Pa	7	15	27	42	61	83	109
		Static Pressure, Pa	2	4	7	11	15	21	27
		NC (Noise Criteria)	< 10	< 10	13	19	23	27	30
		Throw, m	1 - 1.5 - 3	1.5 - 2.5 - 5	2.3 - 3 - 6.5	2.8 - 4 - 8	3 - 5 - 9.3	3.8 - 5.5 - 9.8	4.3 - 6.5 - 10.3

FL-15 with 200 mm inlet

38.1 mm Slot Width	Length 600 mm	Air Flow, l/s	57	99	142	184	227	269	311
		Total Pressure, Pa	4	12	24	40	61	85	114
		Static Pressure, Pa	2	6	12	21	31	44	59
		NC (Noise Criteria)	< 10	< 10	< 10	17	25	31	37
		Throw, m	0.5 - 1.3 - 2.3	1.3 - 1.8 - 4	1.8 - 2.8 - 5.5	2.5 - 3.8 - 7.3	3 - 4.5 - 8	3.8 - 5.3 - 8.8	4 - 6 - 9.5
	Length 1225 mm	Air Flow, l/s	113	160	208	255	302	349	396
		Total Pressure, Pa	9	19	31	47	66	88	114
		Static Pressure, Pa	2	4	7	10	14	19	24
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	15	21	26
		Throw, m	0.5 - 1.5 - 3	1.5 - 2.3 - 4.5	1.8 - 2.8 - 5.8	2.5 - 3.8 - 7	2.8 - 4.3 - 8.3	3.3 - 5 - 9.8	3.8 - 5.5 - 10.8
	Length 1525 mm	Air Flow, l/s	123	172	222	271	321	370	420
		Total Pressure, Pa	10	20	33	49	69	92	118
		Static Pressure, Pa	1	3	5	7	10	13	17
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	11	17	21
		Throw, m	0.5 - 1.5 - 3	1.3 - 2.3 - 4.3	1.8 - 2.8 - 5.5	2.3 - 3.3 - 6.8	2.8 - 4 - 8	3 - 4.5 - 9.3	3.3 - 5.3 - 10.3

FL-20 with 200 mm inlet

50.8 mm Slot Width	Length 600 mm	Air Flow, l/s	66	113	160	208	255	302	349
		Total Pressure, Pa	4	12	23	39	58	82	110
		Static Pressure, Pa	1	4	8	14	21	30	40
		NC (Noise Criteria)	< 10	12	21	27	32	36	40
		Throw, m	0.3 - 1 - 2.3	1.3 - 1.8 - 3.8	1.8 - 2.8 - 5.3	2.3 - 3.3 - 6.8	2.8 - 4.3 - 8.3	3.3 - 5 - 9.3	3.8 - 5.8 - 10
	Length 1225 mm	Air Flow, l/s	118	168	217	267	316	366	415
		Total Pressure, Pa	9	18	31	46	65	87	113
		Static Pressure, Pa	1	2	4	6	8	11	14
		NC (Noise Criteria)	< 10	17	23	28	32	35	38
		Throw, m	0.5 - 1 - 2.8	1 - 1.8 - 4	1.5 - 2.5 - 5	2.3 - 3 - 6	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.5	3 - 5 - 9.5
	Length 1525 mm	Air Flow, l/s	132	184	236	288	340	392	444
		Total Pressure, Pa	11	21	35	52	72	96	123
		Static Pressure, Pa	1	2	3	4	6	8	10
		NC (Noise Criteria)	10	18	24	28	32	36	38
		Throw, m	0.3 - 1 - 2.8	1 - 1.8 - 3.8	1.3 - 2.5 - 5	1.8 - 3 - 5.8	2.5 - 3.3 - 7	2.8 - 4 - 8	3 - 4.5 - 9.3

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric

• contact factory for availability of sizes •



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2 Slot, Jet Throw with TITUS Plenum

FL-10 with 250 mm inlet

25.4 mm Slot Width	Length 600 mm	Air Flow, l/s	38	78	118	158	198	238	278
		Total Pressure, Pa	2	9	20	36	56	81	110
		Static Pressure, Pa	2	7	17	30	47	67	92
		NC (Noise Criteria)	< 10	< 10	17	25	30	35	40
		Throw, m	0.5 - 1 - 2.3	1.5 - 2.3 - 4.3	2.3 - 3 - 5.8	2.8 - 4.3 - 6.8	3.8 - 5.3 - 7.5	4.3 - 5.8 - 8.3	5 - 6.5 - 8.8
	Length 1225 mm	Air Flow, l/s	76	142	208	274	340	406	472
		Total Pressure, Pa	3	11	23	40	61	88	118
		Static Pressure, Pa	2	6	13	22	34	49	66
		NC (Noise Criteria)	< 10	< 10	19	26	31	35	39
		Throw, m	1 - 1.5 - 2.8	1.8 - 2.8 - 5.5	2.8 - 4 - 7.5	3.3 - 5.3 - 8.8	4.3 - 6.5 - 9.8	5.3 - 7.5 - 10.8	5.8 - 8.3 - 11.5
	Length 1525 mm	Air Flow, l/s	94	165	236	307	378	448	519
		Total Pressure, Pa	4	12	24	40	61	85	114
		Static Pressure, Pa	2	5	11	18	27	38	51
		NC (Noise Criteria)	< 10	< 10	18	24	30	34	37
		Throw, m	1 - 1.5 - 3	1.8 - 2.8 - 5.5	2.8 - 4 - 8	3.3 - 5.3 - 9.5	4.3 - 6.5 - 10.3	5.3 - 7.5 - 11.3	5.8 - 8.5 - 12.3

FL-15 with 250 mm inlet

38.1 mm Slot Width	Length 600 mm	Air Flow, l/s	57	109	160	212	264	316	368
		Total Pressure, Pa	3	10	22	38	59	84	114
		Static Pressure, Pa	2	7	16	27	42	61	82
		NC (Noise Criteria)	< 10	< 10	10	20	29	36	42
		Throw, m	0.5 - 1.3 - 2.3	1.5 - 2.3 - 4.3	2.3 - 3 - 6.5	2.8 - 4.3 - 8	3.3 - 5.3 - 8.8	4.3 - 6 - 9.5	5 - 7.3 - 10.3
	Length 1225 mm	Air Flow, l/s	113	184	255	326	396	467	538
		Total Pressure, Pa	5	13	25	41	61	84	112
		Static Pressure, Pa	2	5	10	16	24	33	44
		NC (Noise Criteria)	< 10	< 10	< 10	16	24	30	35
		Throw, m	0.5 - 1.5 - 3	1.8 - 2.5 - 5.3	2.5 - 3.8 - 7	3 - 4.5 - 9.3	3.8 - 6.5 - 10.8	4.3 - 6.5 - 11.5	5 - 7.3 - 12.5
	Length 1525 mm	Air Flow, l/s	123	201	278	356	434	512	590
		Total Pressure, Pa	5	13	26	42	63	87	115
		Static Pressure, Pa	1	4	8	12	18	25	34
		NC (Noise Criteria)	< 10	< 10	< 10	13	21	27	32
		Throw, m	0.5 - 1.5 - 3	1.5 - 2.5 - 5	2.5 - 3.3 - 7	3 - 4.3 - 8.8	3.8 - 5.5 - 10.8	4.3 - 6.5 - 12.3	5 - 7.3 - 13

FL-20 with 250 mm inlet

50.8 mm Slot Width	Length 600 mm	Air Flow, l/s	66	130	193	257	321	385	448
		Total Pressure, Pa	2	9	21	37	58	83	113
		Static Pressure, Pa	1	5	12	22	34	48	66
		NC (Noise Criteria)	< 10	10	20	27	32	38	43
		Throw, m	0.3 - 1 - 2.3	1.5 - 2.3 - 4.3	2.3 - 3 - 6.5	2.8 - 4.3 - 8.3	3.3 - 5.3 - 9.5	4.3 - 6 - 10.3	5 - 7.3 - 11.3
	Length 1225 mm	Air Flow, l/s	118	201	283	366	448	531	614
		Total Pressure, Pa	4	13	25	42	64	89	119
		Static Pressure, Pa	1	3	7	11	16	23	31
		NC (Noise Criteria)	< 10	16	24	30	35	39	42
		Throw, m	0.5 - 1 - 2.8	1.3 - 2.5 - 4.5	2.3 - 3.3 - 6.5	2.8 - 4.3 - 8.5	3.3 - 5.3 - 10.3	4 - 6 - 12.3	4.5 - 7 - 13
	Length 1525 mm	Air Flow, l/s	132	217	302	387	472	557	642
		Total Pressure, Pa	5	14	26	43	64	89	118
		Static Pressure, Pa	1	2	5	8	12	16	21
		NC (Noise Criteria)	< 10	16	24	30	35	39	42
		Throw, m	0.3 - 1 - 2.8	1.3 - 2.3 - 4.5	2.3 - 3 - 6	2.8 - 4 - 8	3.3 - 5 - 9.8	3.8 - 5.8 - 11.3	4.3 - 6.8 - 13

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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2 Slot, Jet Throw with TITUS Plenum

FL-25 with 250 mm inlet

63.5 mm Slot Width	Length 600 mm	Air Flow, l/s	71	142	212	283	354	425	496
		Total Pressure, Pa	2	9	20	36	56	80	109
		Static Pressure, Pa	1	4	9	17	26	38	52
		NC (Noise Criteria)	< 10	< 10	< 10	17	24	30	36
		Throw, m	0.3 - 0.5 - 2.3	1.3 - 2.3 - 4	2.3 - 3 - 6	2.8 - 4 - 8	3.3 - 5 - 10	4 - 6 - 11	4.5 - 7 - 12
	Length 1225 mm	Air Flow, l/s	142	224	307	389	472	555	637
		Total Pressure, Pa	6	14	27	44	64	88	116
		Static Pressure, Pa	1	3	5	8	12	16	21
		NC (Noise Criteria)	< 10	< 10	< 10	15	22	27	32
		Throw, m	0.3 - 1 - 2.8	1.3 - 2.3 - 4.5	2.3 - 3 - 6	2.8 - 4 - 8	3 - 5 - 9.5	3.8 - 5.5 - 11.3	4.3 - 6.5 - 12.8
	Length 1525 mm	Air Flow, l/s	165	248	330	413	496	578	661
		Total Pressure, Pa	7	16	29	46	66	90	117
		Static Pressure, Pa	1	2	4	6	8	11	15
		NC (Noise Criteria)	< 10	< 10	< 10	13	19	25	29
		Throw, m	0.3 - 1 - 3	1 - 2.3 - 4.5	1.8 - 3 - 5.8	2.5 - 3.8 - 7.3	3 - 4.5 - 8.8	3.3 - 5.3 - 10.3	4 - 5.8 - 12

FL-30 with 250 mm inlet

76.2 mm Slot Width	Length 600 mm	Air Flow, l/s	83	163	243	323	404	484	564
		Total Pressure, Pa	3	10	22	40	62	89	121
		Static Pressure, Pa	1	4	9	15	24	34	46
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	13	22	29
		Throw, m	0.3 - 0.5 - 2.3	1.3 - 2.3 - 4.3	2.3 - 3 - 6	2.8 - 4 - 8.3	3.3 - 5.3 - 10.3	4 - 6 - 12	5 - 7 - 12.8
	Length 1225 mm	Air Flow, l/s	151	236	321	406	491	576	661
		Total Pressure, Pa	6	15	28	45	65	90	118
		Static Pressure, Pa	1	2	4	6	9	12	16
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	< 10	11	16
		Throw, m	0.3 - 1 - 2.8	1 - 2.3 - 4.3	1.5 - 2.8 - 5.8	2.5 - 3.8 - 7.3	3 - 4.3 - 8.8	3.3 - 5.3 - 10.3	4 - 5.8 - 12
	Length 1525 mm	Air Flow, l/s	179	262	345	427	510	592	675
		Total Pressure, Pa	8	18	31	47	67	90	117
		Static Pressure, Pa	1	2	3	4	6	8	11
		NC (Noise Criteria)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
		Throw, m	0.3 - 1 - 2.8	1 - 1.8 - 4.3	1.3 - 2.8 - 5.5	2.3 - 3.3 - 6.8	2.8 - 4 - 8.3	3 - 5 - 9.5	3.8 - 5.5 - 10.8

- All pressures are given in Pascal
- Isothermal throw values are given for terminal velocities of .8, .5, and .3 mps.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10dB, re 10<sup>-12</sup> Watts.
- Data was obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991. " Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by TITUS may demonstrate performance variations from data published by TITUS. TITUS cannot guarantee performance if a factory engineered plenum is not provided.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (Vertical blow).
- Throws listed are for the 1-way air pattern. For divide airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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2 Slot, Jet Throw with TITUS Plenum

FL-10 with 300 mm inlet

25.4 mm Slot Width	Length 600 mm	Air Flow, l/s	38	80	123	165	208	250	293
		Total Pressure, Pa	2	8	20	36	56	81	111
		Static Pressure, Pa	2	8	18	32	51	74	102
		NC (Noise Criteria)	< 10	< 10	18	25	31	36	41
		Throw, m	0.5 - 1 - 2.3	1.5 - 2.3 - 4.3	2.3 - 3.3 - 5.8	3 - 4.3 - 7	3.8 - 5.5 - 7.5	4.5 - 6 - 8.5	5.3 - 6.5 - 9.3
	Length 1225 mm	Air Flow, l/s	76	151	227	302	378	453	529
		Total Pressure, Pa	2	9	21	37	58	84	115
		Static Pressure, Pa	2	7	15	27	42	61	83
		NC (Noise Criteria)	< 10	10	20	27	33	37	42
		Throw, m	1 - 1.5 - 2.8	1.8 - 2.8 - 5.8	2.8 - 4.3 - 8	3.8 - 5.8 - 9.3	5 - 7 - 10.3	5.8 - 8 - 11.3	6.8 - 8.8 - 12.3
	Length 1525 mm	Air Flow, l/s	94	177	260	342	425	507	590
		Total Pressure, Pa	3	9	20	35	55	78	106
		Static Pressure, Pa	2	6	13	22	34	49	66
		NC (Noise Criteria)	< 10	10	20	26	32	36	40
		Throw, m	1 - 1.5 - 3	2.3 - 3 - 6	3 - 4.3 - 8.5	4 - 5.8 - 9.8	5 - 7.3 - 11	5.8 - 8.5 - 12.3	6.8 - 9.3 - 13

FL-15 with 300 mm inlet

38.1 mm Slot Width	Length 600 mm	Air Flow, l/s	57	113	170	227	283	340	396
		Total Pressure, Pa	2	9	21	37	58	83	113
		Static Pressure, Pa	2	8	18	31	49	70	95
		NC (Noise Criteria)	< 10	< 10	10	21	30	37	45
		Throw, m	0.5 - 1.3 - 2.3	1.5 - 2.3 - 4.5	2.3 - 3.3 - 6.8	3 - 4.5 - 8	3.8 - 5.5 - 9.3	4.5 - 6.8 - 9.8	5.3 - 7.5 - 10.8
	Length 1225 mm	Air Flow, l/s	113	196	278	361	444	526	609
		Total Pressure, Pa	3	10	21	35	52	73	98
		Static Pressure, Pa	2	6	12	20	30	42	56
		NC (Noise Criteria)	< 10	< 10	< 10	19	27	33	39
		Throw, m	0.5 - 1.5 - 3	1.8 - 2.8 - 5.5	2.5 - 4 - 7.5	3.3 - 5 - 10	4 - 6 - 11.3	5 - 7.3 - 12.3	5.5 - 8.5 - 13
	Length 1525 mm	Air Flow, l/s	123	208	293	378	463	547	632
		Total Pressure, Pa	3	9	18	30	45	63	84
		Static Pressure, Pa	1	4	8	14	21	29	39
		NC (Noise Criteria)	< 10	< 10	< 10	14	22	28	34
		Throw, m	0.5 - 1.5 - 3	1.8 - 2.5 - 5.3	2.5 - 3.8 - 7.3	3 - 4.5 - 9.5	4 - 5.8 - 11.5	4.5 - 6.8 - 12.5	5.3 - 8 - 13.5

FL-20 with 300 mm inlet

50.8 mm Slot Width	Length 600 mm	Air Flow, l/s	66	132	198	264	330	396	463
		Total Pressure, Pa	2	8	17	31	48	69	94
		Static Pressure, Pa	1	6	13	23	36	51	70
		NC (Noise Criteria)	< 10	< 10	16	23	29	35	40
		Throw, m	0.3 - 1 - 2.3	1.5 - 2.3 - 4.3	2.3 - 3.3 - 6.5	2.8 - 4.3 - 8.5	3.8 - 5.5 - 9.8	4.3 - 6.5 - 10.8	5 - 7.5 - 11.5
	Length 1225 mm	Air Flow, l/s	118	212	307	401	496	590	684
		Total Pressure, Pa	3	9	18	31	48	68	91
		Static Pressure, Pa	1	4	8	13	20	28	38
		NC (Noise Criteria)	< 10	13	22	28	33	37	41
		Throw, m	0.5 - 1 - 2.8	1.5 - 2.5 - 5	2.5 - 3.8 - 7	3 - 4.5 - 9.3	3.8 - 5.8 - 11.3	4.5 - 6.8 - 13	5.3 - 8 - 14
	Length 1525 mm	Air Flow, l/s	132	227	321	415	510	604	698
		Total Pressure, Pa	3	8	17	29	43	60	81
		Static Pressure, Pa	1	3	5	9	14	19	25
		NC (Noise Criteria)	< 10	13	21	27	32	36	40
		Throw, m	0.3 - 1 - 2.8	1.3 - 2.5 - 4.5	2.3 - 3.3 - 6.8	2.8 - 4.3 - 8.5	3.3 - 5.3 - 10.3	4.3 - 6 - 12.5	5 - 7.3 - 14

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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2 Slot, JetThrow with TITUS Plenum

FL-25 with 300 mm inlet

63.5 mm Slot Width	Length 600 mm	Air Flow, l/s	71	158	245	333	420	507	595
		Total Pressure, Pa	2	8	19	36	57	83	114
		Static Pressure, Pa	1	5	13	23	37	54	74
		NC (Noise Criteria)	<10	<10	<10	18	26	32	38
		Throw, m	0.3 - 0.5 - 2.3	1.5 - 2.3 - 4.5	2.5 - 3.3 - 7	3 - 5 - 9.5	4 - 6 - 11	5 - 7.3 - 12.3	5.5 - 8.5 - 13
	Length 1225 mm	Air Flow, l/s	142	255	368	481	595	708	821
		Total Pressure, Pa	3	11	22	38	59	83	112
		Static Pressure, Pa	1	3	7	12	19	26	35
		NC (Noise Criteria)	<10	<10	<10	18	25	31	36
		Throw, m	0.3 - 1 - 2.8	1.5 - 2.5 - 5.3	2.5 - 3.8 - 7.3	3.3 - 5 - 9.8	4 - 6 - 12	5 - 7 - 14.3	5.5 - 8.3 - 15.3
	Length 1525 mm	Air Flow, l/s	165	283	401	519	637	755	873
		Total Pressure, Pa	4	12	24	40	60	84	112
Static Pressure, Pa		1	3	5	9	14	19	26	
NC (Noise Criteria)		<10	<10	<10	17	24	30	35	
Throw, m		0.3 - 1 - 3	1.3 - 2.5 - 5.3	2.5 - 3.8 - 7.3	3 - 4.5 - 9.5	4 - 5.8 - 11.5	4.5 - 6.8 - 13.8	5.3 - 8 - 15.5	

FL-30 with 300 mm inlet

76.2 mm Slot Width	Length 600 mm	Air Flow, l/s	83	182	281	380	479	578	677
		Total Pressure, Pa	2	9	20	37	59	86	119
		Static Pressure, Pa	1	5	11	21	33	49	67
		NC (Noise Criteria)	<10	<10	<10	<10	18	26	33
		Throw, m	0.3 - 0.5 - 2.3	1.5 - 2.5 - 4.5	2.5 - 3.8 - 7	3.3 - 5 - 9.8	4 - 6 - 11.5	5 - 7.3 - 12.8	5.8 - 8.5 - 14
	Length 1225 mm	Air Flow, l/s	151	274	396	519	642	765	887
		Total Pressure, Pa	3	11	23	40	62	87	118
		Static Pressure, Pa	1	3	6	10	15	21	29
		NC (Noise Criteria)	<10	<10	<10	<10	11	19	25
		Throw, m	0.3 - 1 - 2.8	1.3 - 2.5 - 5	2.5 - 3.8 - 7	3 - 4.5 - 9.3	4 - 5.8 - 11.5	4.5 - 6.8 - 13.8	5.3 - 8 - 15.8
	Length 1525 mm	Air Flow, l/s	179	304	429	555	680	805	930
		Total Pressure, Pa	4	13	25	42	63	88	118
Static Pressure, Pa		1	2	4	7	11	15	20	
NC (Noise Criteria)		<10	<10	<10	<10	<10	13	20	
Throw, m		0.3 - 1 - 2.8	1 - 2.5 - 5	2.3 - 3.3 - 7	3 - 4.5 - 8.8	3.8 - 5.5 - 11	4.3 - 6.5 - 12.8	5 - 7.3 - 15	

- All pressures are given in Pascal
- Isothermal throw values are given for terminal velocities of .8, .5, and .3 mps.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10dB, re 10<sup>-12</sup> Watts.
- Data was obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991. " Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by TITUS may demonstrate performance variations from data published by TITUS. TITUS cannot guarantee performance if a factory engineered plenum is not provided.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (Vertical blow).
- Throws listed are for the 1-way air pattern. For divide airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •



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