

**TBD-80 Performance Data**

**152 mm Inlet 1 Slot**

19 mm Slot Width	600 mm Long	Air Flow, Liters/s	12	17	21	26	31	35	40
		Total Pressure, Pa	5	10	17	25	35	47	60
		Static Pressure, Pa	5	10	16	24	33	45	57
		NC (Noise Criteria)	-	16	23	28	33	37	40
		Throw, m	1 - 2.3 - 4.3	1.8 - 3 - 6	2.8 - 4 - 7	3 - 5 - 7.5	3.8 - 5.8 - 8.3	4.3 - 6.5 - 8.8	5 - 6.8 - 9.5
	1200 mm Long	Air Flow, Liters/s	14	21	28	35	42	50	57
		Total Pressure, Pa	4	8	14	22	32	44	57
		Static Pressure, Pa	3	7	13	20	28	39	51
		NC (Noise Criteria)	-	12	20	26	31	35	39
		Throw, m	0.5 - 1.5 - 3	1.5 - 2.5 - 3.8	2.3 - 3 - 4.3	2.5 - 3.3 - 5	3 - 3.8 - 5.3	3.3 - 4 - 5.8	3.8 - 4.3 - 6

**203 mm Inlet 1 Slot**

19 mm Slot Width	600 mm Long	Air Flow, Liters/s	14	20	26	32	38	44	50
		Total Pressure, Pa	7	15	24	37	51	69	89
		Static Pressure, Pa	7	14	24	36	50	67	87
		NC (Noise Criteria)	-	15	22	28	33	37	40
		Throw, m	1.5 - 2.8 - 5.3	2.5 - 3.8 - 6.8	3 - 5 - 7.5	4 - 5.8 - 8.5	4.5 - 6.5 - 9.3	5.5 - 7 - 10	6 - 7.5 - 10.8
	1200 mm Long	Air Flow, Liters/s	21	29	38	46	54	63	71
		Total Pressure, Pa	5	9	15	23	32	42	54
		Static Pressure, Pa	5	9	14	21	30	39	50
		NC (Noise Criteria)	-	15	22	27	32	36	39
		Throw, m	1.5 - 2.5 - 3.8	2.3 - 3 - 4.5	2.8 - 3.8 - 5	3 - 4 - 5.5	3.3 - 4.3 - 6	3.8 - 4.5 - 6.5	4 - 5 - 7

**254 mm Inlet 1 Slot**

19 mm Slot Width	600 mm Long	Air Flow, Liters/s	14	20	26	32	38	44	50
		Total Pressure, Pa	9	19	32	48	67	90	116
		Static Pressure, Pa	9	19	32	48	67	89	115
		NC (Noise Criteria)	-	11	18	24	29	33	36
		Throw, m	1.5 - 2.8 - 5.3	2.5 - 3.8 - 6.8	3 - 5 - 7.5	4 - 5.8 - 8.5	4.5 - 6.5 - 9.3	5.5 - 7 - 10	6 - 7.5 - 10.8
	1200 mm Long	Air Flow, Liters/s	24	34	45	55	66	77	87
		Total Pressure, Pa	5	11	18	28	39	53	68
		Static Pressure, Pa	5	10	17	26	37	50	65
		NC (Noise Criteria)	-	15	23	29	33	38	41
		Throw, m	1.8 - 2.5 - 4	2.5 - 3.3 - 5	3 - 4 - 5.5	3.8 - 4.3 - 6	4 - 4.5 - 6.8	4.3 - 5.3 - 7	4.3 - 5.5 - 7.5

**300 mm Inlet 1 Slot**

19 mm Slot Width	1200 mm Long	Air Flow, Liters/s	35	47	59	71	83	94	106
		Total Pressure, Pa	12	22	34	48	66	86	109
		Static Pressure, Pa	12	21	33	48	65	85	107
		NC (Noise Criteria)	-	18	24	29	34	37	41
		Throw, m	2.5 - 3.3 - 5	3.3 - 4 - 5.5	3.8 - 4.5 - 6.5	4 - 5 - 7	4.3 - 5.3 - 7.3	4.5 - 5.5 - 8	5 - 6 - 8.5

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 1 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>14</b>	<b>21</b>	<b>28</b>	<b>35</b>	<b>42</b>	<b>50</b>	<b>57</b>
		Total Pressure, Pa	4	8	15	23	33	45	59
		Static Pressure, Pa	3	7	13	21	30	40	53
		NC (Noise Criteria)	-	11	19	25	30	34	38
		Throw, m	1 - 2.3 - 4.5	2.3 - 3.3 - 6.8	3 - 4.5 - 8	3.8 - 5.8 - 8.8	4.5 - 6.8 - 9.8	5.3 - 7.5 - 10.8	6 - 8 - 11.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>24</b>	<b>34</b>	<b>45</b>	<b>55</b>	<b>66</b>	<b>77</b>	<b>87</b>
		Total Pressure, Pa	4	9	15	23	33	45	58
		Static Pressure, Pa	3	7	11	17	25	33	43
		NC (Noise Criteria)	-	14	21	27	32	36	39
		Throw, m	1.3 - 2.3 - 4	2.3 - 3.3 - 5	2.8 - 4 - 5.5	3.3 - 4.3 - 6	4 - 4.5 - 6.8	4.3 - 5.3 - 7	4.3 - 5.5 - 7.5

**203 mm Inlet 1 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>19</b>	<b>28</b>	<b>38</b>	<b>47</b>	<b>57</b>	<b>66</b>	<b>76</b>
		Total Pressure, Pa	7	17	30	47	67	92	120
		Static Pressure, Pa	7	16	29	45	65	88	116
		NC (Noise Criteria)	-	13	21	27	32	37	40
		Throw, m	1.5 - 3 - 6	3 - 4.5 - 8	4 - 6 - 9.3	5 - 7.3 - 10.3	6 - 8 - 11.3	7 - 8.5 - 12.3	7.5 - 9.3 - 13
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>26</b>	<b>39</b>	<b>52</b>	<b>65</b>	<b>78</b>	<b>91</b>	<b>104</b>
		Total Pressure, Pa	3	8	14	21	31	42	54
		Static Pressure, Pa	3	6	12	18	26	35	46
		NC (Noise Criteria)	-	11	19	25	30	35	38
		Throw, m	1.5 - 2.5 - 4.3	2.5 - 3.8 - 5.3	3.3 - 4.3 - 5.8	3.8 - 4.5 - 6.8	4.3 - 5.3 - 7.3	4.5 - 5.5 - 8	5 - 5.8 - 8.3

**254 mm Inlet 1 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>26</b>	<b>32</b>	<b>38</b>	<b>44</b>	<b>50</b>	<b>55</b>	<b>61</b>
		Total Pressure, Pa	22	33	47	62	80	100	123
		Static Pressure, Pa	22	33	46	61	79	99	121
		NC (Noise Criteria)	-	13	17	21	25	28	31
		Throw, m	2.8 - 4.3 - 7.5	3.3 - 5.3 - 8.5	4 - 6 - 9.3	4.5 - 7 - 10	5.3 - 7.5 - 10.8	5.8 - 8 - 11.3	6.5 - 8.3 - 12
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>45</b>	<b>61</b>	<b>78</b>	<b>94</b>	<b>111</b>	<b>127</b>
		Total Pressure, Pa	4	9	17	28	41	56	74
		Static Pressure, Pa	3	8	16	25	37	51	67
		NC (Noise Criteria)	-	11	20	27	32	36	40
		Throw, m	1.8 - 2.8 - 4.3	2.8 - 4 - 5.5	3.8 - 4.5 - 6.5	4.3 - 5.3 - 7.3	4.5 - 5.5 - 8	5 - 6 - 8.5	5.3 - 6.5 - 9.3

**300 mm Inlet 1 Slot**

<b>25.4 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>52</b>	<b>66</b>	<b>80</b>	<b>94</b>	<b>109</b>	<b>123</b>	<b>137</b>
		Total Pressure, Pa	16	26	38	53	70	90	112
		Static Pressure, Pa	16	25	37	52	69	88	109
		NC (Noise Criteria)	-	16	21	26	30	33	36
		Throw, m	3.3 - 4.3 - 5.8	4 - 4.5 - 6.8	4.3 - 5.3 - 7.3	4.5 - 5.5 - 8	5 - 6 - 8.5	5.3 - 6.5 - 9.3	5.5 - 6.8 - 9.5

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 1 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>19</b>	<b>27</b>	<b>35</b>	<b>44</b>	<b>52</b>	<b>60</b>	<b>68</b>
		Total Pressure, Pa	5	10	17	27	38	50	65
		Static Pressure, Pa	4	9	15	23	32	43	56
		NC (Noise Criteria)	-	17	24	30	35	39	42
		Throw, m	1 - 2.3 - 5	1.8 - 3.8 - 7	3 - 4.5 - 8.8	3.8 - 5.8 - 10	4.5 - 6.8 - 11	5.3 - 8 - 11.5	5.8 - 8.8 - 12.5
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>39</b>	<b>50</b>	<b>60</b>	<b>71</b>	<b>81</b>	<b>92</b>
		Total Pressure, Pa	5	10	16	24	33	43	55
		Static Pressure, Pa	4	7	11	16	23	30	38
		NC (Noise Criteria)	-	16	23	28	33	36	40
		Throw, m	1 - 2.3 - 4.3	1.8 - 3 - 5.3	2.5 - 3.8 - 6.8	3 - 4.5 - 6.5	3.8 - 5 - 7	4.3 - 5.3 - 7.3	4.5 - 5.5 - 8

**203 mm Inlet 1 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>24</b>	<b>33</b>	<b>42</b>	<b>52</b>	<b>61</b>	<b>71</b>	<b>80</b>
		Total Pressure, Pa	8	15	25	37	51	68	87
		Static Pressure, Pa	7	14	23	35	48	64	83
		NC (Noise Criteria)	-	16	23	29	33	37	41
		Throw, m	1.5 - 3 - 6	2.8 - 4.3 - 8.5	3.8 - 5.5 - 9.8	4.5 - 6.8 - 11	5.3 - 8 - 12	6 - 8.8 - 12.8	7 - 9.5 - 13.5
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>35</b>	<b>50</b>	<b>64</b>	<b>78</b>	<b>92</b>	<b>106</b>	<b>120</b>
		Total Pressure, Pa	5	10	16	24	34	45	58
		Static Pressure, Pa	4	8	13	20	27	36	47
		NC (Noise Criteria)	-	17	24	29	34	38	41
		Throw, m	1.5 - 2.8 - 5	2.5 - 3.8 - 5.8	3.3 - 4.5 - 6.5	4 - 5.3 - 7.3	4.5 - 5.5 - 8	5 - 6 - 8.5	5.3 - 6.5 - 8.8

**254 mm Inlet 1 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>24</b>	<b>33</b>	<b>42</b>	<b>52</b>	<b>61</b>	<b>71</b>	<b>80</b>
		Total Pressure, Pa	10	20	33	49	68	91	117
		Static Pressure, Pa	10	19	32	48	67	89	114
		NC (Noise Criteria)	-	12	19	25	29	33	37
		Throw, m	1.5 - 3 - 6	2.8 - 4.3 - 8.5	3.8 - 5.5 - 9.8	4.5 - 6.8 - 11	5.3 - 8 - 12	6 - 8.8 - 12.8	7 - 9.5 - 13.5
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>42</b>	<b>57</b>	<b>71</b>	<b>85</b>	<b>99</b>	<b>113</b>	<b>127</b>
		Total Pressure, Pa	6	11	17	24	33	43	54
		Static Pressure, Pa	5	9	15	21	29	38	48
		NC (Noise Criteria)	-	17	23	28	32	36	39
		Throw, m	2.3 - 3.3 - 5.3	3 - 4.3 - 6	3.8 - 5 - 7	4.3 - 5.3 - 7.5	4.5 - 5.8 - 8.3	5 - 6 - 8.5	5.3 - 6.5 - 9.3

**300 mm Inlet 1 Slot**

<b>38.1 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>66</b>	<b>85</b>	<b>104</b>	<b>123</b>	<b>142</b>	<b>160</b>
		Total Pressure, Pa	8	16	26	39	55	73	94
		Static Pressure, Pa	8	15	25	38	53	70	90
		NC (Noise Criteria)	-	15	22	27	32	36	39
		Throw, m	2.5 - 3.8 - 5.5	3.3 - 4.5 - 6.8	4.3 - 5.3 - 7.5	5 - 5.8 - 8.3	5.3 - 6.5 - 9.3	5.5 - 7 - 9.8	6 - 7.3 - 10.3

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 2 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	Air Flow, Liters/s	<b>19</b>	<b>26</b>	<b>33</b>	<b>40</b>	<b>47</b>	<b>54</b>	<b>61</b>
		Total Pressure, Pa	6	12	19	29	40	52	67
		Static Pressure, Pa	6	11	17	25	35	46	59
		NC (Noise Criteria)	-	17	24	29	34	38	41
		Throw, m	1 - 2.3 - 5	1.8 - 3.3 - 6.8	2.8 - 4.3 - 8.5	3.3 - 5.3 - 9.5	4 - 6 - 10.3	4.5 - 7 - 11	5.3 - 8 - 12
	<b>1200 mm Long</b>	Air Flow, Liters/s	<b>19</b>	<b>31</b>	<b>42</b>	<b>54</b>	<b>66</b>	<b>78</b>	<b>90</b>
		Total Pressure, Pa	4	12	22	36	53	74	98
		Static Pressure, Pa	4	10	18	30	45	62	82
		NC (Noise Criteria)	-	11	20	27	33	37	41
		Throw, m	0.3 - 1 - 3	1.3 - 2.5 - 4.5	2.3 - 3.3 - 5.3	2.8 - 4.3 - 6	3.3 - 4.5 - 6.8	4 - 5.3 - 7.3	4.5 - 5.5 - 7.5

**203 mm Inlet 2 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	Air Flow, Liters/s	<b>14</b>	<b>25</b>	<b>35</b>	<b>46</b>	<b>57</b>	<b>67</b>	<b>78</b>
		Total Pressure, Pa	2	7	14	23	35	49	66
		Static Pressure, Pa	2	6	13	21	32	45	61
		NC (Noise Criteria)	-	-	20	27	33	38	42
		Throw, m	0.5 - 1.3 - 3.8	1.5 - 3.3 - 6.5	3 - 4.5 - 8.8	4 - 6 - 10.3	5 - 7.3 - 11.3	5.8 - 8.8 - 12.5	6.8 - 9.5 - 13.5
	<b>1200 mm Long</b>	Air Flow, Liters/s	<b>28</b>	<b>42</b>	<b>57</b>	<b>71</b>	<b>85</b>	<b>99</b>	<b>113</b>
		Total Pressure, Pa	5	11	19	30	43	58	76
		Static Pressure, Pa	4	9	17	26	37	51	66
		NC (Noise Criteria)	-	15	23	29	34	38	42
		Throw, m	1 - 2.3 - 4.3	2.3 - 3.3 - 5.3	3 - 4.3 - 6	3.8 - 5 - 7	4.3 - 5.3 - 7.5	4.5 - 5.8 - 8.3	5 - 6 - 8.5

**254 mm Inlet 2 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	Air Flow, Liters/s	<b>19</b>	<b>31</b>	<b>42</b>	<b>54</b>	<b>66</b>	<b>78</b>	<b>90</b>
		Total Pressure, Pa	3	8	16	26	39	54	72
		Static Pressure, Pa	3	8	15	25	37	52	69
		NC (Noise Criteria)	-	12	21	28	33	38	42
		Throw, m	1 - 2.3 - 5	2.5 - 4 - 8	3.8 - 5.5 - 9.8	4.5 - 7 - 11	5.8 - 8.5 - 12.3	6.8 - 9.5 - 13.5	8 - 10 - 14.3
	<b>1200 mm Long</b>	Air Flow, Liters/s	<b>38</b>	<b>52</b>	<b>66</b>	<b>80</b>	<b>94</b>	<b>109</b>	<b>123</b>
		Total Pressure, Pa	6	11	17	25	35	46	59
		Static Pressure, Pa	5	9	15	23	31	41	53
		NC (Noise Criteria)	-	16	23	28	33	37	40
		Throw, m	1.8 - 3 - 5	2.8 - 4 - 5.8	3.3 - 4.5 - 6.8	4 - 5.3 - 7.3	4.5 - 5.5 - 8	5 - 6 - 8.5	5.3 - 6.5 - 9.3

**300 mm Inlet 2 Slot**

<b>19 mm Slot Width</b>	<b>1200 mm Long</b>	Air Flow, Liters/s	<b>47</b>	<b>66</b>	<b>85</b>	<b>104</b>	<b>123</b>	<b>142</b>	<b>160</b>
		Total Pressure, Pa	6	11	18	27	37	50	64
		Static Pressure, Pa	5	10	17	25	35	47	60
		NC (Noise Criteria)	-	17	24	29	34	38	41
		Throw, m	2.5 - 3.8 - 5.5	3.3 - 4.5 - 6.8	4.3 - 5.3 - 7.5	5 - 5.8 - 8.3	5.3 - 6.5 - 9.3	5.5 - 7 - 9.8	6 - 7.3 - 10.3

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 2 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>39</b>	<b>50</b>	<b>60</b>	<b>71</b>	<b>81</b>	<b>92</b>
		Total Pressure, Pa	6	12	19	28	38	50	65
		Static Pressure, Pa	5	9	14	20	28	37	48
		NC (Noise Criteria)	-	17	24	29	34	38	41
		Throw, m	1.3 - 3 - 6.5	2.5 - 4.3 - 8.8	3.8 - 5.5 - 10.8	4.5 - 6.8 - 11.5	5.3 - 8 - 12.8	6 - 9.3 - 13.8	7 - 10.3 - 14.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>35</b>	<b>52</b>	<b>68</b>	<b>85</b>	<b>101</b>	<b>118</b>	<b>135</b>
		Total Pressure, Pa	6	13	23	35	50	68	88
		Static Pressure, Pa	4	8	14	21	30	40	52
		NC (Noise Criteria)	-	15	22	28	33	37	41
		Throw, m	1 - 2.3 - 4.5	2.3 - 3.3 - 5.8	3 - 4.5 - 6.8	3.8 - 5.3 - 7.5	4.5 - 5.8 - 8.3	5.3 - 6.5 - 8.8	5.5 - 6.8 - 9.5

**203 mm Inlet 2 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>35</b>	<b>48</b>	<b>61</b>	<b>74</b>	<b>87</b>	<b>100</b>	<b>113</b>
		Total Pressure, Pa	6	12	19	28	38	51	65
		Static Pressure, Pa	5	10	16	24	33	43	55
		NC (Noise Criteria)	-	17	24	29	34	37	41
		Throw, m	2.3 - 4 - 8	3.8 - 5.5 - 10.3	4.5 - 7 - 12	5.5 - 8.5 - 13	6.8 - 9.8 - 14	7.5 - 10.8 - 15	8.5 - 11.3 - 16.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>42</b>	<b>63</b>	<b>83</b>	<b>103</b>	<b>123</b>	<b>143</b>	<b>163</b>
		Total Pressure, Pa	4	10	17	26	37	50	66
		Static Pressure, Pa	3	7	12	18	26	35	45
		NC (Noise Criteria)	-	14	21	27	32	37	40
		Throw, m	1.5 - 2.8 - 5.3	2.8 - 4.3 - 6.5	3.8 - 5.3 - 7.3	4.5 - 5.8 - 8.3	5.3 - 6.5 - 9.3	5.5 - 7 - 9.8	6 - 7.3 - 10.3

**254 mm Inlet 2 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>42</b>	<b>57</b>	<b>71</b>	<b>85</b>	<b>99</b>	<b>113</b>	<b>127</b>
		Total Pressure, Pa	8	15	23	33	45	58	74
		Static Pressure, Pa	7	13	21	30	41	53	67
		NC (Noise Criteria)	-	18	24	29	33	37	40
		Throw, m	3 - 5 - 9.5	4.3 - 6.5 - 11.3	5.3 - 8 - 12.8	6.5 - 9.5 - 14	7.3 - 10.8 - 15	8.5 - 11.3 - 16.3	9.5 - 12 - 17
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>57</b>	<b>80</b>	<b>104</b>	<b>127</b>	<b>151</b>	<b>175</b>	<b>198</b>
		Total Pressure, Pa	5	11	18	28	39	52	67
		Static Pressure, Pa	4	8	14	21	30	40	51
		NC (Noise Criteria)	-	17	24	30	34	38	42
		Throw, m	2.5 - 3.8 - 6	3.8 - 5.3 - 7.3	4.5 - 5.8 - 8.3	5.3 - 6.5 - 9.3	5.8 - 7 - 10	6 - 7.5 - 10.8	6.8 - 8.3 - 11.5

**300 mm Inlet 2 Slot**

<b>25.4 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>57</b>	<b>87</b>	<b>118</b>	<b>149</b>	<b>179</b>	<b>210</b>	<b>241</b>
		Total Pressure, Pa	4	9	17	26	38	52	69
		Static Pressure, Pa	3	8	14	23	33	46	60
		NC (Noise Criteria)	-	13	21	28	33	37	41
		Throw, m	2.5 - 3.8 - 6	4 - 5.5 - 7.5	5.3 - 6.5 - 8.8	5.8 - 7 - 10	6.5 - 7.5 - 11	6.8 - 8.3 - 12	7.3 - 8.8 - 12.8

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 2 Slot**

38.1 mm Slot Width	600 mm Long	Air Flow, Liters/s	28	39	50	60	71	81	92
		Total Pressure, Pa	5	10	16	24	33	43	55
		Static Pressure, Pa	4	7	11	16	23	30	38
		NC (Noise Criteria)	-	16	23	28	33	36	40
		Throw, m	0.5 - 1.5 - 5.3	1.3 - 3 - 7.3	2.3 - 4.5 - 9.3	3.3 - 5.5 - 11	4.3 - 6.5 - 12.8	5 - 7.5 - 13.8	5.8 - 8.5 - 14.3
	1200 mm Long	Air Flow, Liters/s	33	52	71	90	109	127	146
		Total Pressure, Pa	5	12	22	36	52	72	95
		Static Pressure, Pa	3	7	12	20	29	40	52
		NC (Noise Criteria)	-	13	22	28	34	38	42
		Throw, m	0.5 - 1 - 3.8	1.3 - 2.8 - 5.5	2.3 - 4 - 7	3.3 - 5 - 7.5	4 - 5.8 - 8.5	4.5 - 6.5 - 9.3	5.3 - 7 - 9.8

**203 mm Inlet 2 Slot**

38.1 mm Slot Width	600 mm Long	Air Flow, Liters/s	35	50	64	78	92	106	120
		Total Pressure, Pa	5	10	16	24	34	45	58
		Static Pressure, Pa	4	8	13	20	27	36	47
		NC (Noise Criteria)	-	17	24	29	34	38	41
		Throw, m	1.3 - 2.5 - 6.5	2.3 - 4.5 - 9.3	3.8 - 5.8 - 12	5 - 7.3 - 13.5	5.8 - 8.5 - 14.3	6.5 - 9.8 - 15.5	7.3 - 11 - 16.5
	1200 mm Long	Air Flow, Liters/s	42	64	85	106	127	149	170
		Total Pressure, Pa	4	9	16	24	35	48	62
		Static Pressure, Pa	3	6	10	16	23	31	40
		NC (Noise Criteria)	-	13	21	27	32	37	40
		Throw, m	1 - 1.8 - 4.5	1.8 - 3.3 - 6.5	3 - 4.5 - 7.5	4 - 5.8 - 8.5	4.5 - 6.5 - 9.3	5.5 - 7 - 10	6 - 7.5 - 10.8

**254 mm Inlet 2 Slot**

38.1 mm Slot Width	600 mm Long	Air Flow, Liters/s	42	59	76	92	109	125	142
		Total Pressure, Pa	6	12	19	28	39	52	67
		Static Pressure, Pa	5	10	17	25	35	46	59
		NC (Noise Criteria)	-	18	25	30	35	38	42
		Throw, m	1.5 - 3.8 - 8	3 - 5.5 - 11	4.5 - 7 - 13	5.8 - 8.5 - 14.3	6.8 - 10 - 15.5	7.5 - 11.5 - 16.8	8.8 - 12.8 - 18
	1200 mm Long	Air Flow, Liters/s	47	73	99	125	151	177	203
		Total Pressure, Pa	3	8	14	22	33	45	59
		Static Pressure, Pa	2	6	10	16	23	32	42
		NC (Noise Criteria)	-	13	21	28	33	37	41
		Throw, m	1 - 2.3 - 5.3	2.5 - 4 - 7	3.8 - 5.5 - 8.3	4.5 - 6.5 - 9.3	5.5 - 7 - 10	6.5 - 7.5 - 11	6.8 - 8.3 - 11.5

**300 mm Inlet 2 Slot**

38.1 mm Slot Width	1200 mm Long	Air Flow, Liters/s	71	99	127	156	184	212	241
		Total Pressure, Pa	5	9	15	22	31	41	53
		Static Pressure, Pa	4	8	12	19	26	35	44
		NC (Noise Criteria)	-	15	22	28	32	36	40
		Throw, m	2.3 - 4 - 7	3.8 - 5.5 - 8.3	4.5 - 6.5 - 9.3	5.5 - 7.3 - 10	6.5 - 8 - 11	7 - 8.5 - 12	7.3 - 8.8 - 12.8

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 3 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>24</b>	<b>32</b>	<b>40</b>	<b>48</b>	<b>57</b>	<b>65</b>	<b>73</b>
		Total Pressure, Pa	8	14	22	32	44	58	74
		Static Pressure, Pa	7	12	19	28	38	50	63
		NC (Noise Criteria)	-	17	23	28	33	37	40
		Throw, m	1 - 1.8 - 5	1.5 - 3 - 6.8	2.3 - 4.3 - 8.5	3.3 - 5.3 - 10.3	4 - 6 - 11.3	4.5 - 7 - 12.3	5.3 - 8 - 12.8
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>33</b>	<b>45</b>	<b>57</b>	<b>68</b>	<b>80</b>	<b>92</b>	<b>104</b>
		Total Pressure, Pa	12	22	35	51	69	91	116
		Static Pressure, Pa	10	18	28	41	57	75	95
		NC (Noise Criteria)	-	16	22	27	32	36	39
		Throw, m	0.5 - 1.5 - 4.3	1.3 - 2.8 - 5.5	2.3 - 3.8 - 6	2.8 - 4.3 - 6.8	3.3 - 5 - 7.3	4 - 5.5 - 8	4.3 - 5.8 - 8.3

**203 mm Inlet 3 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>26</b>	<b>38</b>	<b>50</b>	<b>61</b>	<b>73</b>	<b>85</b>	<b>97</b>
		Total Pressure, Pa	5	10	18	27	39	52	68
		Static Pressure, Pa	4	9	16	24	35	47	61
		NC (Noise Criteria)	-	16	23	29	34	38	42
		Throw, m	1 - 2.3 - 5.5	1.8 - 4 - 8	3.3 - 5.3 - 10.8	4.3 - 6.5 - 12	5.3 - 8 - 12.8	6 - 9.3 - 14	7 - 10.3 - 15
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>42</b>	<b>59</b>	<b>76</b>	<b>92</b>	<b>109</b>	<b>125</b>	<b>142</b>
		Total Pressure, Pa	9	17	28	41	57	76	97
		Static Pressure, Pa	7	14	23	35	48	64	82
		NC (Noise Criteria)	-	17	24	30	34	38	42
		Throw, m	1.3 - 2.8 - 5.3	2.5 - 3.8 - 6.5	3 - 5 - 7	4 - 5.5 - 8	4.5 - 6 - 8.5	5.3 - 6.5 - 9.3	5.5 - 7 - 9.8

**254 mm Inlet 3 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>42</b>	<b>57</b>	<b>71</b>	<b>85</b>	<b>99</b>	<b>113</b>
		Total Pressure, Pa	4	9	17	26	37	51	66
		Static Pressure, Pa	4	9	15	24	34	47	61
		NC (Noise Criteria)	-	15	23	29	34	38	42
		Throw, m	1.3 - 2.5 - 6	2.5 - 4.5 - 9.3	4 - 6 - 11.3	5 - 7.5 - 12.8	6 - 9.3 - 14	7 - 10.8 - 15	8 - 11.3 - 16.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>67</b>	<b>87</b>	<b>107</b>	<b>127</b>	<b>147</b>	<b>168</b>
		Total Pressure, Pa	7	13	23	34	48	65	83
		Static Pressure, Pa	6	12	20	30	42	56	72
		NC (Noise Criteria)	-	17	24	30	35	39	42
		Throw, m	1.5 - 3 - 5.5	2.8 - 4.3 - 6.8	3.8 - 5.5 - 7.5	4.5 - 6 - 8.5	5.3 - 6.5 - 9.3	5.8 - 7 - 10	6 - 7.3 - 10.8

**300 mm Inlet 3 Slot**

<b>19 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>61</b>	<b>86</b>	<b>111</b>	<b>136</b>	<b>160</b>	<b>185</b>	<b>210</b>
		Total Pressure, Pa	6	12	19	29	41	54	69
		Static Pressure, Pa	5	11	17	26	37	49	63
		NC (Noise Criteria)	-	18	25	30	35	39	42
		Throw, m	2.5 - 4 - 6.5	3.8 - 5.5 - 7.5	4.5 - 6 - 8.5	5.5 - 6.8 - 9.5	6 - 7.3 - 10.3	6.5 - 8 - 11	6.8 - 8.3 - 12

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 3 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>42</b>	<b>57</b>	<b>71</b>	<b>85</b>	<b>99</b>	<b>113</b>
		Total Pressure, Pa	5	10	18	28	41	56	73
		Static Pressure, Pa	3	7	12	18	27	36	47
		NC (Noise Criteria)	-	13	21	27	33	37	40
		Throw, m	0.5 - 1.5 - 5.3	1.5 - 3.8 - 8	2.8 - 5.3 - 10.3	4.3 - 6.5 - 12.8	5.3 - 8 - 14	6 - 9.3 - 15	7 - 10.3 - 16.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>67</b>	<b>87</b>	<b>107</b>	<b>127</b>	<b>147</b>	<b>168</b>
		Total Pressure, Pa	9	19	32	49	69	92	118
		Static Pressure, Pa	5	10	17	26	36	48	62
		NC (Noise Criteria)	-	15	23	28	33	37	41
		Throw, m	1 - 2.3 - 5.3	1.8 - 3.8 - 6.8	3 - 5 - 7.5	4 - 5.8 - 8.5	4.5 - 6.5 - 9.3	5.5 - 7 - 10	6 - 7.3 - 10.8

**203 mm Inlet 3 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>35</b>	<b>54</b>	<b>73</b>	<b>92</b>	<b>111</b>	<b>130</b>	<b>149</b>
		Total Pressure, Pa	4	9	17	27	39	53	69
		Static Pressure, Pa	3	7	13	20	29	40	52
		NC (Noise Criteria)	-	14	23	29	34	38	42
		Throw, m	1.3 - 2.5 - 6.5	2.8 - 5 - 10	4.5 - 6.8 - 12.8	5.8 - 8.5 - 14.3	6.8 - 10.3 - 15.8	8 - 12 - 17	9.3 - 13 - 18.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>54</b>	<b>80</b>	<b>106</b>	<b>132</b>	<b>158</b>	<b>184</b>	<b>210</b>
		Total Pressure, Pa	6	13	22	34	49	66	86
		Static Pressure, Pa	3	8	13	21	29	40	52
		NC (Noise Criteria)	-	14	22	28	33	37	41
		Throw, m	1.3 - 2.8 - 5.8	2.8 - 4.3 - 7.3	4 - 5.8 - 8.5	5 - 6.8 - 9.5	5.8 - 7.3 - 10.3	6.5 - 8 - 11	6.8 - 8.3 - 12

**254 mm Inlet 3 Slot**

<b>25.4 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>66</b>	<b>85</b>	<b>104</b>	<b>123</b>	<b>142</b>	<b>160</b>
		Total Pressure, Pa	5	10	17	26	36	47	61
		Static Pressure, Pa	4	9	14	21	30	39	50
		NC (Noise Criteria)	-	16	23	28	33	37	40
		Throw, m	2.3 - 4.3 - 8.8	4 - 6 - 12.3	5.3 - 8 - 14	6.5 - 9.5 - 15.3	7.5 - 11.3 - 16.8	8.8 - 12.8 - 18	9.8 - 13.5 - 19.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>61</b>	<b>90</b>	<b>118</b>	<b>146</b>	<b>175</b>	<b>203</b>	<b>231</b>
		Total Pressure, Pa	5	10	17	26	37	51	66
		Static Pressure, Pa	3	7	11	18	25	34	44
		NC (Noise Criteria)	-	14	21	27	32	36	40
		Throw, m	1.5 - 3.3 - 6.5	3.3 - 5 - 7.5	4.3 - 6.5 - 8.8	5.3 - 7 - 9.8	6 - 7.5 - 10.8	6.8 - 8.3 - 11.5	7 - 8.8 - 12.5

**300 mm Inlet 3 Slot**

<b>25.4 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>76</b>	<b>111</b>	<b>146</b>	<b>182</b>	<b>217</b>	<b>252</b>	<b>288</b>
		Total Pressure, Pa	4	9	15	23	33	44	58
		Static Pressure, Pa	3	7	12	18	26	35	45
		NC (Noise Criteria)	-	13	21	27	32	36	40
		Throw, m	2.5 - 4 - 7	4 - 6 - 8.5	5.3 - 7 - 9.8	6.5 - 8 - 11	7 - 8.5 - 12	7.5 - 9.3 - 13	8 - 9.8 - 13.8

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS



**TBD-80 Performance Data**

**152 mm Inlet 3 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>35</b>	<b>50</b>	<b>64</b>	<b>78</b>	<b>92</b>	<b>106</b>	<b>120</b>
		Total Pressure, Pa	6	12	20	31	43	57	73
		Static Pressure, Pa	4	7	12	18	26	34	44
		NC (Noise Criteria)	-	16	23	29	34	38	41
		Throw, m	0.5 - 1.5 - 5.3	1.3 - 2.8 - 7.3	2.3 - 4.5 - 9.5	3 - 5.8 - 11.5	4.3 - 7 - 13.8	5.3 - 8 - 15.5	6 - 9.3 - 16.5
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>68</b>	<b>90</b>	<b>111</b>	<b>132</b>	<b>153</b>	<b>175</b>
		Total Pressure, Pa	9	18	31	48	68	92	119
		Static Pressure, Pa	4	9	15	24	33	45	58
		NC (Noise Criteria)	-	15	22	28	33	37	41
		Throw, m	0.5 - 1.3 - 4.3	1.3 - 2.5 - 6	1.8 - 4 - 7.5	3 - 5 - 8.5	4 - 5.8 - 9.5	4.5 - 6.8 - 10	5.3 - 7.5 - 10.8

**203 mm Inlet 3 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>38</b>	<b>57</b>	<b>76</b>	<b>94</b>	<b>113</b>	<b>132</b>	<b>151</b>
		Total Pressure, Pa	4	9	15	24	34	46	60
		Static Pressure, Pa	3	6	11	17	24	33	43
		NC (Noise Criteria)	-	14	22	28	33	38	41
		Throw, m	0.5 - 1.5 - 5.8	1.5 - 3.8 - 8.5	2.8 - 5.8 - 11.3	4.3 - 7 - 14.3	5.8 - 8.5 - 16.3	6.8 - 10 - 17.3	7.5 - 11.3 - 18.5
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>59</b>	<b>85</b>	<b>111</b>	<b>137</b>	<b>163</b>	<b>189</b>	<b>215</b>
		Total Pressure, Pa	6	13	22	33	47	63	81
		Static Pressure, Pa	3	7	12	19	26	35	46
		NC (Noise Criteria)	-	15	22	28	33	37	41
		Throw, m	1 - 1.8 - 5.3	1.8 - 3.8 - 7.5	3 - 5 - 8.5	4 - 6 - 9.5	5 - 7.3 - 10.3	5.5 - 8 - 11.3	6.5 - 8.5 - 12

**254 mm Inlet 3 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>68</b>	<b>90</b>	<b>111</b>	<b>132</b>	<b>153</b>	<b>175</b>
		Total Pressure, Pa	4	9	15	23	33	45	58
		Static Pressure, Pa	3	7	12	18	26	35	46
		NC (Noise Criteria)	-	16	23	29	34	38	41
		Throw, m	1.3 - 2.5 - 7	2.5 - 5.3 - 10.3	4 - 6.8 - 13.5	5.5 - 8.3 - 15.8	6.8 - 10 - 17.3	7.5 - 11.5 - 18.5	8.8 - 13 - 19.8
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>71</b>	<b>99</b>	<b>127</b>	<b>156</b>	<b>184</b>	<b>212</b>	<b>241</b>
		Total Pressure, Pa	5	11	18	26	37	49	63
		Static Pressure, Pa	3	7	11	16	23	31	39
		NC (Noise Criteria)	-	15	22	28	32	36	40
		Throw, m	1.3 - 2.8 - 6.5	2.5 - 4.3 - 8.3	3.8 - 5.8 - 9.3	4.5 - 7 - 10	5.5 - 8 - 11	6.5 - 8.5 - 12	7 - 8.8 - 12.8

**300 mm Inlet 3 Slot**

<b>38.1 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>94</b>	<b>130</b>	<b>165</b>	<b>201</b>	<b>236</b>	<b>271</b>	<b>307</b>
		Total Pressure, Pa	5	10	16	23	32	42	54
		Static Pressure, Pa	4	7	12	17	24	31	40
		NC (Noise Criteria)	-	17	23	29	33	37	40
		Throw, m	2.3 - 4.3 - 8	4 - 5.8 - 9.3	5 - 7.3 - 10.3	5.8 - 8.3 - 11.5	7 - 8.8 - 12.5	7.5 - 9.5 - 13.5	8.3 - 10 - 14.3

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 4 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>38</b>	<b>47</b>	<b>57</b>	<b>66</b>	<b>76</b>	<b>85</b>
		Total Pressure, Pa	10	17	27	39	53	70	88
		Static Pressure, Pa	8	15	23	33	45	58	74
		NC (Noise Criteria)	-	17	23	28	33	36	40
		Throw, m	0.5 - 1.5 - 5.3	1.3 - 2.8 - 7	2.3 - 4.3 - 8.8	2.8 - 5.3 - 10.3	4 - 6 - 12.3	4.5 - 7 - 13	5.3 - 8 - 14
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>38</b>	<b>50</b>	<b>61</b>	<b>73</b>	<b>85</b>	<b>97</b>	<b>109</b>
		Total Pressure, Pa	14	25	38	54	73	95	120
		Static Pressure, Pa	12	20	31	44	59	76	96
		NC (Noise Criteria)	-	14	20	25	29	33	36
		Throw, m	0.5 - 1.5 - 4	1 - 2.5 - 5.5	1.5 - 3.3 - 6.5	2.5 - 4 - 7	3 - 4.5 - 7.5	3.3 - 5.3 - 8	4 - 5.8 - 8.5

**203 mm Inlet 4 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>28</b>	<b>42</b>	<b>57</b>	<b>71</b>	<b>85</b>	<b>99</b>	<b>113</b>
		Total Pressure, Pa	5	11	19	30	43	58	76
		Static Pressure, Pa	4	9	17	26	37	51	66
		NC (Noise Criteria)	-	15	23	29	34	38	42
		Throw, m	0.5 - 1.5 - 5.3	1.5 - 3.8 - 8	2.8 - 5.3 - 10.3	4.3 - 6.5 - 12.8	5.3 - 8 - 14	6 - 9.3 - 15	7 - 10.3 - 16.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>54</b>	<b>73</b>	<b>92</b>	<b>111</b>	<b>130</b>	<b>149</b>	<b>168</b>
		Total Pressure, Pa	13	23	37	54	74	97	123
		Static Pressure, Pa	11	19	31	44	61	80	101
		NC (Noise Criteria)	-	19	25	30	35	39	42
		Throw, m	1.3 - 2.8 - 5.8	2.5 - 4 - 7	3.3 - 5 - 8	4 - 6 - 8.5	4.5 - 6.8 - 9.3	5.5 - 7 - 10	6 - 7.3 - 10.8

**254 mm Inlet 4 Slot**

<b>19 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>38</b>	<b>53</b>	<b>68</b>	<b>84</b>	<b>99</b>	<b>114</b>	<b>130</b>
		Total Pressure, Pa	6	11	18	27	38	51	66
		Static Pressure, Pa	5	10	16	25	34	46	59
		NC (Noise Criteria)	-	17	24	29	34	38	41
		Throw, m	1.3 - 2.8 - 7	2.5 - 5 - 9.8	4.3 - 6.5 - 12.5	5.3 - 7.5 - 13.8	6 - 9.3 - 15	7 - 10.8 - 16.3	8 - 12 - 17
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>57</b>	<b>79</b>	<b>101</b>	<b>124</b>	<b>146</b>	<b>169</b>	<b>191</b>
		Total Pressure, Pa	8	16	27	40	55	74	94
		Static Pressure, Pa	7	14	22	33	47	62	80
		NC (Noise Criteria)	-	17	24	30	34	38	42
		Throw, m	1.5 - 3 - 6	2.8 - 4.3 - 7.3	3.8 - 5.5 - 8.3	4.5 - 6.5 - 9.3	5.3 - 7 - 9.8	6 - 7.5 - 10.8	6.5 - 8 - 11.3

**300 mm Inlet 4 Slot**

<b>19 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>71</b>	<b>99</b>	<b>127</b>	<b>156</b>	<b>184</b>	<b>212</b>	<b>241</b>
		Total Pressure, Pa	6	12	20	30	42	57	73
		Static Pressure, Pa	6	11	18	27	37	50	64
		NC (Noise Criteria)	-	17	24	30	34	38	42
		Throw, m	2.3 - 4 - 7	3.8 - 5.5 - 8.3	4.5 - 6.5 - 9.3	5.5 - 7.3 - 10	6.5 - 8 - 11	7 - 8.5 - 12	7.3 - 8.8 - 12.8

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 4 Slot**

25.4 mm Slot Width	600 mm Long	Air Flow, Liters/s	31	47	64	80	97	113	130
		Total Pressure, Pa	5	11	20	31	46	63	82
		Static Pressure, Pa	3	6	12	19	27	37	49
		NC (Noise Criteria)	-	12	20	27	32	36	40
		Throw, m	0.5 - 1.3 - 5	1.3 - 3 - 7.5	2.5 - 5.3 - 10	3.8 - 6.5 - 12.8	5.3 - 7.5 - 15	6 - 9.3 - 16.3	7 - 10.3 - 17
	1200 mm Long	Air Flow, Liters/s	54	74	94	114	135	155	175
		Total Pressure, Pa	12	22	35	51	71	94	119
		Static Pressure, Pa	6	11	17	25	35	46	59
		NC (Noise Criteria)	-	14	20	26	30	34	37
		Throw, m	1 - 1.8 - 5.3	1.5 - 3.3 - 7	2.5 - 4.5 - 8	3.8 - 5.5 - 8.8	4.3 - 6.5 - 9.5	5 - 7.3 - 10	5.5 - 7.5 - 10.8

**203 mm Inlet 4 Slot**

25.4 mm Slot Width	600 mm Long	Air Flow, Liters/s	42	64	85	106	127	149	170
		Total Pressure, Pa	4	10	18	28	40	55	71
		Static Pressure, Pa	3	7	12	19	28	38	49
		NC (Noise Criteria)	-	14	22	28	33	38	41
		Throw, m	1 - 2.5 - 6.8	2.5 - 5.3 - 10	4.3 - 6.8 - 13.5	5.8 - 8.5 - 15.5	6.8 - 10 - 17	8 - 12 - 18.3	9.3 - 13.5 - 19.5
	1200 mm Long	Air Flow, Liters/s	66	94	123	151	179	208	236
		Total Pressure, Pa	8	15	26	39	56	75	96
		Static Pressure, Pa	4	9	14	22	31	41	53
		NC (Noise Criteria)	-	15	22	28	32	36	40
		Throw, m	1.3 - 2.8 - 6	2.5 - 4.5 - 8	4 - 5.8 - 9.3	5 - 7 - 10	5.5 - 7.5 - 11	6.5 - 8.3 - 12	7.3 - 8.8 - 12.5

**254 mm Inlet 4 Slot**

25.4 mm Slot Width	600 mm Long	Air Flow, Liters/s	47	71	94	118	142	165	189
		Total Pressure, Pa	4	9	15	24	34	47	61
		Static Pressure, Pa	3	7	12	18	26	35	46
		NC (Noise Criteria)	-	13	21	27	32	37	40
		Throw, m	1.3 - 3 - 7.5	3 - 5.8 - 11.3	5 - 7.5 - 14.8	6.5 - 9.5 - 16.5	7.5 - 11.3 - 18	8.8 - 13 - 19.3	10 - 14.8 - 20.8
	1200 mm Long	Air Flow, Liters/s	71	104	137	170	203	236	269
		Total Pressure, Pa	5	11	20	30	43	58	75
		Static Pressure, Pa	3	7	12	18	26	35	46
		NC (Noise Criteria)	-	13	21	27	32	36	40
		Throw, m	1.5 - 3 - 6.8	3 - 5 - 8.3	4.3 - 6.5 - 9.5	5.3 - 7.5 - 10.8	6.5 - 8.3 - 11.5	7.3 - 8.8 - 12.5	7.5 - 9.5 - 13.5

**300 mm Inlet 4 Slot**

25.4 mm Slot Width	1200 mm Long	Air Flow, Liters/s	90	137	184	231	278	326	373
		Total Pressure, Pa	4	10	18	28	41	56	74
		Static Pressure, Pa	3	7	13	20	29	40	53
		NC (Noise Criteria)	-	15	23	29	34	39	42
		Throw, m	2.3 - 4.3 - 7.5	4.3 - 6.5 - 9.5	5.8 - 8 - 11	7 - 8.8 - 12.5	8 - 9.8 - 13.8	8.5 - 10.3 - 14.8	9.3 - 11.3 - 15.8

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS

**TBD-80 Performance Data**

**152 mm Inlet 4 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>33</b>	<b>50</b>	<b>66</b>	<b>83</b>	<b>99</b>	<b>116</b>	<b>132</b>
		Total Pressure, Pa	5	11	19	30	44	59	78
		Static Pressure, Pa	3	6	11	17	24	33	43
		NC (Noise Criteria)	-	12	20	26	31	35	39
		Throw, m	0.3 - 1 - 3	1 - 1.8 - 6.5	1.5 - 3 - 8.5	2.3 - 5 - 10.8	3 - 6.5 - 12.8	4.3 - 7.5 - 15	5.5 - 8.5 - 17
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>54</b>	<b>76</b>	<b>97</b>	<b>118</b>	<b>139</b>	<b>160</b>	<b>182</b>
		Total Pressure, Pa	11	21	34	51	71	95	121
		Static Pressure, Pa	5	10	16	23	32	43	55
		NC (Noise Criteria)	-	13	20	25	30	34	37
		Throw, m	0.3 - 1 - 4	1 - 1.8 - 5.8	1.5 - 3.3 - 7.3	2.3 - 4.5 - 8.8	3 - 5.5 - 9.8	4 - 6 - 10.3	4.5 - 7 - 11

**203 mm Inlet 4 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>42</b>	<b>63</b>	<b>83</b>	<b>103</b>	<b>123</b>	<b>143</b>	<b>163</b>
		Total Pressure, Pa	4	8	15	23	33	44	57
		Static Pressure, Pa	3	5	9	15	21	28	37
		NC (Noise Criteria)	-	13	20	26	31	35	39
		Throw, m	0.5 - 1.3 - 5.3	1.3 - 2.8 - 8.3	2.3 - 5 - 10.8	3.3 - 6.8 - 13.5	5 - 8 - 15.8	6 - 9.5 - 18	7 - 10.8 - 19.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>66</b>	<b>94</b>	<b>123</b>	<b>151</b>	<b>179</b>	<b>208</b>	<b>236</b>
		Total Pressure, Pa	7	14	24	36	51	69	89
		Static Pressure, Pa	4	7	12	19	26	35	46
		NC (Noise Criteria)	-	13	21	26	31	35	39
		Throw, m	0.5 - 1.5 - 5.3	1.3 - 3 - 7.3	2.5 - 4.5 - 9.3	3.3 - 5.8 - 10	4.5 - 7 - 11	5.3 - 8 - 12	6 - 8.8 - 12.5

**254 mm Inlet 4 Slot**

<b>38.1 mm Slot Width</b>	<b>600 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>47</b>	<b>73</b>	<b>99</b>	<b>125</b>	<b>151</b>	<b>177</b>	<b>203</b>
		Total Pressure, Pa	3	8	14	22	33	45	59
		Static Pressure, Pa	2	6	10	16	23	32	42
		NC (Noise Criteria)	-	13	21	28	33	37	41
		Throw, m	0.5 - 1.5 - 6	1.8 - 4 - 9.5	3 - 6.5 - 12.8	5 - 8.3 - 16.3	6.8 - 9.8 - 18.5	7.5 - 11.5 - 20	8.8 - 13 - 21.3
	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>76</b>	<b>111</b>	<b>146</b>	<b>182</b>	<b>217</b>	<b>252</b>	<b>288</b>
		Total Pressure, Pa	5	12	20	31	44	60	78
		Static Pressure, Pa	3	7	11	18	25	34	44
		NC (Noise Criteria)	-	14	22	28	32	37	40
		Throw, m	1 - 1.8 - 5.8	1.8 - 4.3 - 8.5	3.3 - 5.5 - 9.8	4.5 - 7 - 11	5.5 - 8.3 - 12	6.5 - 9.3 - 13	7.3 - 9.8 - 13.8

**300 mm Inlet 4 Slot**

<b>38.1 mm Slot Width</b>	<b>1200 mm Long</b>	<b>Air Flow, Liters/s</b>	<b>94</b>	<b>142</b>	<b>189</b>	<b>236</b>	<b>283</b>	<b>330</b>	<b>378</b>
		Total Pressure, Pa	4	9	16	26	37	50	65
		Static Pressure, Pa	3	6	11	17	25	34	44
		NC (Noise Criteria)	-	15	23	29	34	38	42
		Throw, m	1.3 - 3 - 7.3	3 - 5.5 - 9.8	5 - 7.3 - 11.3	6 - 8.8 - 12.5	7.3 - 9.8 - 13.8	8.5 - 10.3 - 15	9.3 - 11.3 - 15.8

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**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 •**



**990 Security Row • Richardson, Texas 75081  
Telephone 972-699-1030 • FAX 972-918-8880**

**H25M-S**

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or by an information storage system, without permission in writing from TITUS