

## Kill rates established by an independent third party testing facility

	<b>Model Name</b>	<b>VH01 - 2009</b>	<b>VH03 - 2008</b>	<b>VH07 - 2010</b>
		Large Wand	Small Wand	Bed Vacuum
Output	<b>Watts</b>	6	3	6
Intensity	<b><math>\mu\text{W} / \text{cm}^2</math></b>	2500	1200	6000
Total Output	<b><math>\mu\text{W} / \text{Ttl. area}</math></b>	180000	12225	528000
	Total emitting area	72.00	10.19	88.00

<b><math>\mu\text{W} / \text{cm}^2</math></b>		<b>Minutes for 90% Kill Rate</b>			
<b>Typheid</b>	<b>2,150</b>	<b>1 Square cm</b>	<b>0.01</b>	<b>0.03</b>	<b>0.01</b>
72 (18cm x 4cm)		Remote Control	0.01	0.21	N/A
144 (18cm x 4c x2)		Telephone	0.03	0.42	N/A
480 (40cm x 32cm)		Toilet Seat	0.10	1.41	N/A
2394 (63cm x 38cm)		Queen Pillow	0.48	N/A	0.16
9677 (127cm x 76cm)		Baby Crib Mattress	1.93	N/A	0.66
18909 (191cm x 99cm)		Single Mattress	3.76	N/A	1.28
26167 (191cm x 137cm)		Double Mattress	5.21	N/A	1.78
30856 (203cm x 152cm)		Queen Mattress	6.14	N/A	2.09
39179 (203cm x 193cm)		King Mattress	7.80	N/A	2.66
<b><math>\mu\text{W} / \text{cm}^2</math></b>					
<b>Influenza</b>	<b>3,400</b>	<b>1 Square cm</b>	<b>0.02</b>	<b>0.05</b>	<b>0.01</b>
72 (18cm x 4cm)		Remote Control	0.02	0.33	N/A
144 (18cm x 4c x2)		Telephone	0.05	0.67	N/A
480 (40cm x 32cm)		Toilet Seat	0.15	2.22	N/A
2394 (63cm x 38cm)		Queen Pillow	0.75	N/A	0.26
9677 (127cm x 76cm)		Baby Crib Mattress	3.05	N/A	1.04
18909 (191cm x 99cm)		Single Mattress	5.95	N/A	2.03
26167 (191cm x 137cm)		Double Mattress	8.24	N/A	2.81
30856 (203cm x 152cm)		Queen Mattress	9.71	N/A	3.31
39179 (203cm x 193cm)		King Mattress	12.33	N/A	4.20
<b><math>\mu\text{W} / \text{cm}^2</math></b>					
<b>Hepatitis</b>	<b>5,800</b>	<b>1 Square cm</b>	<b>0.04</b>	<b>0.05</b>	<b>0.01</b>
72 (18cm x 4cm)		Remote Control	0.04	0.57	N/A
144 (18cm x 4c x2)		Telephone	0.08	1.14	N/A
480 (40cm x 32cm)		Toilet Seat	0.26	3.80	N/A
2394 (63cm x 38cm)		Queen Pillow	1.29	N/A	0.44
9677 (127cm x 76cm)		Baby Crib Mattress	5.20	N/A	1.77
18909 (191cm x 99cm)		Single Mattress	10.15	N/A	3.46
26167 (191cm x 137cm)		Double Mattress	14.05	N/A	4.79
30856 (203cm x 152cm)		Queen Mattress	16.57	N/A	5.65
39179 (203cm x 193cm)		King Mattress	21.04	N/A	7.17
<b><math>\mu\text{W} / \text{cm}^2</math></b>					
<b>Anthrax</b>	<b>4,520</b>	<b>1 Square cm</b>	<b>0.03</b>	<b>0.06</b>	<b>0.01</b>
72 (18cm x 4cm)		Remote Control	0.03	0.44	N/A
144 (18cm x 4c x2)		Telephone	0.06	0.89	N/A
480 (40cm x 32cm)		Toilet Seat	0.20	2.96	N/A
2394 (63cm x 38cm)		Queen Pillow	1.00	N/A	0.34
9677 (127cm x 76cm)		Baby Crib Mattress	4.05	N/A	1.38
18909 (191cm x 99cm)		Single Mattress	7.91	N/A	2.70
26167 (191cm x 137cm)		Double Mattress	10.95	N/A	3.73
30856 (203cm x 152cm)		Queen Mattress	12.91	N/A	4.40
39179 (203cm x 193cm)		King Mattress	16.40	N/A	5.59
<b><math>\mu\text{W} / \text{cm}^2</math></b>					
<b>Mold A - <i>Oospora lactis</i></b>	<b>5,000</b>	<b>1 Square cm</b>	<b>0.03</b>	<b>0.07</b>	<b>0.01</b>
72 (18cm x 4cm)		Remote Control	0.03	0.49	N/A
144 (18cm x 4c x2)		Telephone	0.07	0.98	N/A
480 (40cm x 32cm)		Toilet Seat	0.22	3.27	N/A
2394 (63cm x 38cm)		Queen Pillow	1.11	N/A	0.38
9677 (127cm x 76cm)		Baby Crib Mattress	4.48	N/A	1.53
18909 (191cm x 99cm)		Single Mattress	8.75	N/A	2.98
26167 (191cm x 137cm)		Double Mattress	12.11	N/A	4.13
30856 (203cm x 152cm)		Queen Mattress	14.29	N/A	4.87
39179 (203cm x 193cm)		King Mattress	18.14	N/A	6.18
<b><math>\mu\text{W} / \text{cm}^2</math></b>					
<b>Dust Mite Eggs*</b>	<b>17,500</b>	<b>1 Square cm</b>	<b>0.12</b>	<b>0.24</b>	<b>0.05</b>
2394 (63cm x 38cm)		Queen Pillow	3.88	57.12	1.32
9677 (127cm x 76cm)		Baby Crib Mattress	15.68	230.88	5.35
18909 (191cm x 99cm)		Single Mattress	30.64	451.13	10.45
26167 (191cm x 137cm)		Double Mattress	42.40	624.30	14.45
30856 (203cm x 152cm)		Queen Mattress	50.00	736.17	17.04
39179 (203cm x 193cm)		King Mattress	63.48	934.74	21.64

\* Dust Mite Eggs 90% kill rate approximated from 80% and 100% kill rate measurements