

## Table 2. Mean noise level results for hand dryers in dBA

Dryer Model	Number of units tested	3-year-old children's ear canal height (83.5 cm)				Author's ear canal height at start of study (127 cm)				Adult female ear canal height (149 cm)				Adult male ear canal height (161 cm)				Height of dryer jet outlet (varies by dryer)			
		No hands*		Hands**		No hands		Hands		No hands		Hands		No hands		Hands		No hands		Hands	
		30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm	30 cm	45 cm
Blast - Comac	1	106.0	105.9	108.4	107.3	105.3	88.3	107.3	107.0	105.2	89.0	106.5	106.2	88.0	88.4	105.8	106.2	105.7	105.7	107.9	107.4
Bobrick B400	2	87.2	86.3	102.1	84.1	85.9	85.8	85.4	82.4	82.6	84.8	85.5	82.6	83.4	87.6	83.7	83.2	87.9	85.0	89.4	85.0
Bobrick B710	2	102.7	83.9	101.6	83.6	83.6	83.6	85.1	84.4	84.6	84.0	84.9	84.8	84.9	82.8	84.8	86.1	84.1	84.2	86.7	84.5
Bobrick B750	1	84.4	84.6	84.6	84.0	84.4	84.0	84.1	84.1	83.9	84.2	84.1	78.6	84.0	83.8	83.8	84.5	84.5	85.4	84.9	84.9
Dyson Airblade	2	105.6	105.1	105.7	105.6	102.3	102.4	105.8	105.7	88.2	87.8	102.8	103.0	86.9	103.2	103.1	102.4	105.9	105.3	107.1	105.7
Dyson Airblade dB	3	86.1	83.6	103.6	86.6	85.4	84.8	88.0	87.2	84.3	83.6	87.2	86.7	83.3	81.9	87.6	86.0	85.4	83.3	101.0	87.3
Dyson Airblade V	4	107.8	107.3	108.0	107.3	106.1	105.4	106.8	105.6	100.3	88.3	105.2	105.0	99.9	88.0	104.4	100.1	108.0	107.0	121.1	107.7
Dyson Tap	1	N/A	106.3	N/A	106.6	106.4	106.4	106.1	106.5	105.5	105.4	105.7	88.8	88.8	88.6	105.0	108.6	106.8	107.7	106.6	
Electric Aire	1	84.9	83.3	84.2	86.3	83.5	84.2	83.8	84.0	83.2	82.5	83.4	83.2	83.5	69.0	83.1	83.1	83.7	87.4	83.6	84.2
GH Wood MT10	3	100.2	84.2	100.7	83.7	81.4	82.6	81.7	82.1	81.5	82.3	80.5	80.5	80.4	80.6	79.9	79.2	100.7	82.8	101.4	82.2
Lovair	1	87.1	86.7	88.8	86.8	87.9	86.4	105.1	88.3	86.4	86.3	87.3	87.3	86.5	87.3	88.7	87.7	88.6	87.1	105.3	88.1
Mitsubishi JT	1	85.4	84.8	105.7	104.9	84.0	85.9	105.2	87.3	83.8	88.1	87.4	87.3	85.2	86.6	86.6	86.4	84.7	84.3	105.3	87.2
Nova 1	1	85.2	85.2	85.7	81.1	84.8	84.6	86.0	85.5	84.9	84.6	85.0	86.8	79.5	84.6	85.3	85.6	84.9	84.8	85.6	85.7
Nova MT10	1	88.4	85.1	85.9	84.2	105.5	84.9	104.6	85.3	84.9	83.4	85.6	86.9	87.8	85.2	85.2	83.9	107.2	84.7	87.7	83.6
One - Comac	1	84.0	83.6	84.1	83.6	83.7	83.5	84.0	84.1	83.4	83.2	83.5	83.1	83.3	83.2	83.4	83.4	83.7	83.3	84.0	84.0
Ouellet Galaxy 2	1	87.8	83.5	84.2	83.2	67.0	65.8	67.1	66.5	65.6	62.0	66.6	63.1	63.6	62.6	64.0	63.2	83.5	67.5	74.8	67.7
World Dyer A	1	104.1	87.5	84.9	87.0	86.4	85.1	85.8	85.0	86.0	85.3	85.1	83.5	85.1	83.5	87.8	85.7	105.0	85.9	104.7	86.7
World Dryer B	1	107.7	87.3	105.0	86.9	84.9	86.9	85.0	86.1	85.9	86.3	85.4	86.0	83.7	83.2	83.6	83.4	106.2	87.7	107.7	88.1
World Dryer RA-5	1	81.6	80.1	85.4	80.5	81.6	79.8	82.4	80.4	80.2	85.8	79.8	80.2	71.1	83.7	81.1	77.8	83.4	80.5	83.5	81.5
Xlerator	3	106.6	103.2	117.0	103.8	100.6	100.5	105.4	105.4	85.5	86.9	105.2	102.7	86.3	86.2	101.0	100.2	105.8	100.6	107.1	102.2
Xlerator EHD 501	1	105.7	105.8	106.0	106.9	106.8	106.2	108.2	106.4	105.2	105.2	105.6	103.7	105.2	104.6	105.7	106.0	106.9	106.0	108.5	107.1
Xlerator XL	9	86.3	88.3	105.9	105.4	84.8	84.0	106.1	104.5	84.0	83.3	105.8	105.8	83.9	83.2	104.6	104.7	86.1	84.1	106.7	105.5
Xlerator XLSB	1	105.2	105.1	106.2	105.6	105.0	106.4	105.7	105.1	88.4	85.7	105.5	105.8	87.6	86.7	105.7	104.7	105.1	105.1	104.9	105.1

\*No hands' indicates measurements taken when the hand dryer was running without hands in the air flow.

\*\*Hands' indicates measurements taken when the hand dryer was running with hands in the air flow.

≤ 85 dBA

> 85 dBA and ≤ 100 dBA

> 100 dBA

N/A = not possible to measure due to installation set-up.