

Product Description	Trade	Model	Serial Number
Hand dryer	Superdry	HD	Not Available

The sample is supported by a stand built with aluminum profiles. The top of the hand dryer is at a height of approximately 90 cm.

The test is carried out at LGAI Technological Center's facilities, into an hemi-anechoic room, that is, a room with the floor and one of the walls acting as reflecting surfaces, and the rest of surfaces (ceiling and rest of the walls) with absorbing material in order to simulate free field conditions.

The set is placed next to a vertical reflecting plane constructed by means of MDF panels 19 mm thick, but without coming in contact (to avoid the transmission of vibration to the panels and its possible noise radiation)

The measurements are carried out in the following test conditions:

- **Condition 1:** Forcing the start of the hand dryer, but leaving the air flow outlet free of any obstacles
- **Condition 2:** moving the operator hands near the air flow outlet simulating its normal use. The operator is located besides the hand dryer and doesn't shield the sound pressure level received at the measurement point

For each test condition, the measurements are repeated 6 times.

TEST ROOM ENVIRONMENT

Temperature	17,9 °C
Relative Humidity	43 %
Atmospheric Pressure	1003 hPa



Averaged sound pressure level spectra

Frequency (Hz)	L _p , averaged (dB)	
	Free air outlet	Shaking hands near the air outlet
50	41,3	41,8
63	46,4	46,9
80	49,7	50,1
100	53,9	53,2
125	51,6	52,8
160	49,9	51,6
200	51,3	52,3
250	54,3	52,8
315	55,6	53,0
400	55,0	54,4
500	60,5	60,4
630	59,1	56,7
800	58,8	58,0
1000	60,9	59,8
1250	58,1	58,2
1600	65,9	65,3
2000	65,5	65,2
2500	61,2	61,3
3150	60,1	59,5
4000	60,3	59,7
5000	64,2	63,0
6300	65,4	65,0
8000	62,5	61,9
10000	63,5	62,7
12500	62,7	61,7
16000	63,7	62,1

