

Article 7

Noise control standards for helicopter aircraft are shown in the following table in accordance with their maximum take-off weight and date of model airworthiness certificate application:

I. Noise control standards for helicopter aircraft with a maximum take-off weight that is less than or equal to 788 kg and for which a prototype airworthiness certificate application was made after December 31, 1984 or for which an aircraft design modification airworthiness certificate application was made after November 17, 1988 are shown in the following table:

Test points	Take-off weight greater than or equal to 1,400 kg	Take-off weight less than or equal to 600 kg	Take-off weight between 600 kg and 1,400 kg
Take-off noise level	109	89	$90.03 + 9.97 \log M$
Approach noise level	110	90	$91.03 + 9.97 \log M$
Hover noise level I	108	88	$89.03 + 9.97 \log M$
Remarks	<p>A. Take-off noise level measurement point: a point 500 meters horizontally in the direction of flight and points 0 meters on either side of the ground flight path base point.</p> <p>B. Approach noise level measurement points: when the aircraft's approach flight path has a 6° glide angle, the point beneath the aircraft when its altitude is 120 meters, which is 1,140 meters distant from the point of intersection with the ground. Points 150 meters on either side of the ground flight path base point.</p> <p>C. Hover noise level measurement points: below the flight path of the aircraft when its altitude is 0 meters.</p> <p>D. Measurement units are EPN dB ; M represents the maximum</p>		

	take-off weight (1,000 kg).
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II. Noise control standards for helicopter aircraft with a maximum take-off weight that is less than or equal to 788 kg and for which a prototype airworthiness certificate application or design modification airworthiness certificate application was made after March 21, 2002 are shown in the following table:

Test points	Take-off weight greater than or equal to 80,000 kg	Take-off weight less than or equal to 788 kg	Take-off weight between 788 kg and 80,000 kg
Take-off noise level	106	86	$87.03+9.97 \log M$
Approach noise level	109	89	$90.03+9.97 \log M$
Hover noise level I	104	84	$85.03+9.97 \log M$
Remarks	<p>A. The take-off, approach, and hover noise measurement points are the same as in Notes 1., 2., and 3. of the same subparagraph.</p> <p>B. Measurement units are EPN dB ; M represents the maximum take-off weight (1,000 kg).</p>		

III. Noise control standards for helicopter aircraft with a maximum take-off weight that is less than or equal to 3,175 kg and for which a prototype airworthiness certificate application or design modification airworthiness certificate application was made after November 11, 1993 are shown in the following table:

Test points	Take-off weight less than or equal to 788 kg	Take-off weight greater than or equal to 788 kg
Hover noise level I	82	$83.03+9.97 \log M$

Remarks	<p>A. Hover noise level measurement points: below the flight path of the aircraft when its altitude is 0 meters.</p> <p>B. Measurement units are SEL dB ; M represents the maximum take-off weight (1,000 kg).</p>
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IV. Noise control standards for helicopter aircraft with a maximum take-off weight that is less than or equal to 3,175 kg and for which a prototype airworthiness certificate application or design modification airworthiness certificate application was made after March 21, 2002 are shown in the following table:

Test points	Take-off weight less than or equal to 788 kg	Take-off weight greater than or equal to 788 kg
Hover noise level	82	$80.49 + 9.97 \log M$
Remarks	<p>A. Hover noise level measurement points: below the flight path of the aircraft when its altitude is 0 meters.</p> <p>B. Measurement units are SEL dB ; M represents the maximum take-off weight (1,000 kg).</p>	

The noise control standards in the foregoing paragraph are not applicable to stunt, special event, agricultural, and fire fighting helicopters.