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# **RESTRICTED**

## **TYPE-CERTIFICATE**

### **DATA SHEET FOR NOISE**

**No. EASA.IM.R.504**

**for**

**DHRUV (ALH)**

**Type Certificate Holder:**

**Rotary Wing Research & Design Centre (RWR&DC),  
Hindustan Aeronautics Limited**

15/1, Cubbon Road  
Bangalore – 560 001  
India

For models:

DHRUV-C  
DHRUV-CFW  
DHRUV-CS



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Type Certificate Holder <sup>1</sup>	<b>Rotary Wing Research &amp; Design Centre (RWR&amp;DC), Hindustan Aeronautics Limited</b>	Aircraft Type Designation <sup>1</sup>	<b>DHRUV-C</b>
Engine Manufacturer <sup>1</sup>	<b>Safran Helicopter Engines</b>	Engine Type Designation <sup>1</sup>	<b>TM 333-2B2</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	<b>None</b>		
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 6 / Amendment 10</b>
		Chapter <sup>1</sup>	<b>8 (8.4.1)</b>

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
D509	<b>5,500</b>	<b>5,500</b>	<b>89.2</b>	<b>97.4</b>	<b>91.0</b>	<b>96.4</b>	<b>94.8</b>	<b>98.4</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder <sup>1</sup>	<b>Rotary Wing Research &amp; Design Centre (RWR&amp;DC), Hindustan Aeronautics Limited</b>	Aircraft Type Designation <sup>1</sup>	<b>DHRUV-CFW</b>
Engine Manufacturer <sup>1</sup>	<b>Safran Helicopter Engines</b>	Engine Type Designation <sup>1</sup>	<b>TM 333-2B2</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	<b>None</b>		
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 6 / Amendment 10</b>
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EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
D510	<b>5,500</b>	<b>5,500</b>	<b>89.2</b>	<b>97.4</b>	<b>91.0</b>	<b>96.4</b>	<b>94.8</b>	<b>98.4</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder <sup>1</sup>	<b>Rotary Wing Research &amp; Design Centre (RWR&amp;DC), Hindustan Aeronautics Limited</b>	Aircraft Type Designation <sup>1</sup>	<b>DHRUV-CS</b>
Engine Manufacturer <sup>1</sup>	<b>Safran Helicopter Engines</b>	Engine Type Designation <sup>1</sup>	<b>TM 333-2B2</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	<b>None</b>		
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 6 / Amendment 10</b>
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EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
D511	<b>5,500</b>	<b>5,500</b>	<b>89.2</b>	<b>97.4</b>	<b>91.0</b>	<b>96.4</b>	<b>94.8</b>	<b>98.4</b>	-

<sup>1</sup> See Note 1.



**CS-36 Amendment level**

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

**TCDSN EASA.IM.R.504 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



**Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
01	29 June 2023	Initial Issue

