



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.020

for

Learjet Model 45

Type Certificate Holder:

Learjet Inc.

One Learjet Way
Wichita, Kansas 67209-2942
USA

For models: Learjet Model 45

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Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
(Commercial Designation) **Learjet 45)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20AR(-1B)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A4	9,752	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-
A2	9,299	8,709	85.2	94.0	74.4	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
 (Commercial Designation) **Learjet 40)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20AR(-1B)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 4** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6302	9,525	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
(Commercial Designation) **Learjet 40)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20AR(-1B)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6	9,752	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-
A5	9,231	8,709	85.2	94.0	73.7	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
(Commercial Designation) **Learjet 45)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20BR-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7164	9,752	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
 (Commercial Designation) **Learjet 40)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20BR-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 4** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6339	9,525	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-
A18836	9,299	8,709	85.2	94.0	74.4	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
 (Commercial Designation **Learjet 40)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20BR-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A3808	9,752	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
(Commercial Designation) **Learjet 45)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-20R(-1B)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A3	9,752	8,709	85.1	94.0	75.5	89.0	93.4	98.0	-
A1	9,299	8,709	85.2	94.0	74.4	89.0	93.4	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
(Commercial Designation) **Learjet 70)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-40BR-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18913	9,752	8,709	87.4	94.0	74.3	89.0	93.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **Learjet Inc.** Aircraft Type Designation¹ **Learjet Model 45**
 (Commercial Designation **Learjet 75)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **TFE731-40BR-1B**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18914	9,752	8,709	87.4	94.0	74.3	89.0	93.4	98.0	3

¹ See Note 1.



TCDSN EASA.IM.A.020 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. applicable for S/N 45-2134 through 45-4000
3. applicable for S/N 45-456 through 45-2000

Change Record

Issue	Date	Changes
Issue 1	08 January 2007	Initial Issue
Issue 2	22 March 2007	Revised
Issue 3	15 January 2008	Revised
Issue 4	21 July 2010	Revised
Issue 5	15 April 2013	Added Record A18836
Issue 6	05 May 2014	Records A1-A6, A3808, A5122, A6302 and A7164 re-certified to Chapter 4
Issue 7	12 September 2014	Added Learjet Model 45 (Learjet 70 and 75) Revised records A6302, A6339 and A18836
Issue 8	29 April 2016	Editorial revision
Issue 9	08 February 2017	Type designation and engine TC-holder revised, popular designations corrected

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