

# ***European Aviation Safety Agency***

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**EASA**

## **TYPE-CERTIFICATE DATA SHEET FOR NOISE**

**MD-90-30, B717-200**

**Type Certificate Holder:  
McDonnell Douglas Corporation**

3855 Lakewood Boulevard  
Long Beach, California 90846-0001  
United States of America

For models : 717-200  
MD-90-30

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Type Certificate Holder\* **McDonnell Douglas Corporation**

Aircraft Type Designation\* **717-200**

Engine Manufacturer\* **Rolls-Royce**

Engine Type Designation\* **BR700-715A1-30**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\*

**"Modified Production" (Fan case damping, Hardwall borescope covers, Hardwall access panels, Hardwall exhaust cone)**

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

Chapter\* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1331	<b>54.885</b>	<b>49.895</b>	<b>89,0</b>	<b>95,7</b>	<b>84,1</b>	<b>89,8</b>	<b>92,1</b>	<b>99,5</b>
A1332	<b>53.524</b>	<b>47.174</b>	<b>89,0</b>	<b>95,6</b>	<b>83,3</b>	<b>89,6</b>	<b>91,7</b>	<b>99,4</b>
A14416	<b>53.499</b>	<b>48.987</b>	<b>89,0</b>	<b>95,6</b>	<b>83,3</b>	<b>89,6</b>	<b>92,0</b>	<b>99,4</b>
A1333	<b>51.710</b>	<b>46.266</b>	<b>89,1</b>	<b>95,5</b>	<b>82,3</b>	<b>89,4</b>	<b>91,6</b>	<b>99,3</b>
A1334	<b>49.895</b>	<b>44.452</b>	<b>89,2</b>	<b>95,3</b>	<b>81,4</b>	<b>89,2</b>	<b>91,3</b>	<b>99,2</b>
A1335	<b>47.627</b>	<b>44.452</b>	<b>89,2</b>	<b>95,1</b>	<b>80,1</b>	<b>89,0</b>	<b>91,3</b>	<b>99,0</b>

\* Items so marked shall be included on EASA Form 45.

Type Certificate Holder\* **McDonnell Douglas Corporation** Aircraft Type Designation\* **717-200**  
 Engine Manufacturer\* **Rolls-Royce** Engine Type Designation\* **BR700-715A1-30**  
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\* **None**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1321	<b>54.885</b>	<b>49.895</b>	<b>89,0</b>	<b>95,7</b>	<b>84,0</b>	<b>89,8</b>	<b>91,6</b>	<b>99,5</b>
A1322	<b>53.524</b>	<b>47.174</b>	<b>89,0</b>	<b>95,6</b>	<b>83,2</b>	<b>89,6</b>	<b>91,4</b>	<b>99,4</b>
A14415	<b>53.499</b>	<b>48.987</b>	<b>89,0</b>	<b>95,6</b>	<b>83,2</b>	<b>89,6</b>	<b>91,5</b>	<b>99,4</b>
A6680	<b>52.617</b>	<b>46.720</b>	<b>89,1</b>	<b>95,5</b>	<b>82,7</b>	<b>89,5</b>	<b>91,4</b>	<b>99,4</b>
A1323	<b>51.710</b>	<b>46.266</b>	<b>89,1</b>	<b>95,5</b>	<b>82,1</b>	<b>89,4</b>	<b>91,4</b>	<b>99,3</b>
A1324	<b>49.895</b>	<b>44.452</b>	<b>89,2</b>	<b>95,3</b>	<b>81,0</b>	<b>89,2</b>	<b>91,3</b>	<b>99,2</b>
A1325	<b>47.400</b>	<b>44.452</b>	<b>89,2</b>	<b>95,1</b>	<b>79,6</b>	<b>89,0</b>	<b>91,3</b>	<b>99,0</b>

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Type Certificate Holder\* **McDonnell Douglas Corporation**

Aircraft Type Designation\* **717-200**

Engine Manufacturer\* **Rolls-Royce**

Engine Type Designation\* **BR700-715C1-30**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\*

**"Modified Production" (Fan case damping, Hardwall borescope covers, Hardwall access panels, Hardwall exhaust cone)**

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

Chapter\* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1336	<b>54.885</b>	<b>49.895</b>	<b>91,5</b>	<b>95,7</b>	<b>82,2</b>	<b>89,8</b>	<b>92,1</b>	<b>99,5</b>
A1337	<b>53.524</b>	<b>47.174</b>	<b>91,6</b>	<b>95,6</b>	<b>81,4</b>	<b>89,6</b>	<b>91,7</b>	<b>99,4</b>
A1338	<b>51.710</b>	<b>46.266</b>	<b>91,6</b>	<b>95,5</b>	<b>80,6</b>	<b>89,4</b>	<b>91,6</b>	<b>99,3</b>
A1339	<b>49.895</b>	<b>44.452</b>	<b>91,6</b>	<b>95,3</b>	<b>79,7</b>	<b>89,2</b>	<b>91,3</b>	<b>99,2</b>
A1340	<b>47.627</b>	<b>44.452</b>	<b>91,7</b>	<b>95,1</b>	<b>78,7</b>	<b>89,0</b>	<b>91,3</b>	<b>99,0</b>

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Type Certificate Holder\* **McDonnell Douglas Corporation** Aircraft Type Designation\* **717-200**  
 Engine Manufacturer\* **Rolls-Royce** Engine Type Designation\* **BR700-715C1-30**  
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\* **None**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1326	<b>54.885</b>	<b>49.895</b>	<b>91,5</b>	<b>95,7</b>	<b>82,1</b>	<b>89,8</b>	<b>91,6</b>	<b>99,5</b>
A1327	<b>53.524</b>	<b>47.174</b>	<b>91,6</b>	<b>95,6</b>	<b>81,4</b>	<b>89,6</b>	<b>91,4</b>	<b>99,4</b>
A1328	<b>51.710</b>	<b>46.266</b>	<b>91,6</b>	<b>95,5</b>	<b>80,4</b>	<b>89,4</b>	<b>91,4</b>	<b>99,3</b>
A1329	<b>49.895</b>	<b>44.452</b>	<b>91,7</b>	<b>95,3</b>	<b>79,4</b>	<b>89,2</b>	<b>91,3</b>	<b>99,2</b>
A1330	<b>47.627</b>	<b>44.452</b>	<b>91,7</b>	<b>95,1</b>	<b>78,1</b>	<b>89,0</b>	<b>91,3</b>	<b>99,0</b>

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Type Certificate Holder\* **McDonnell Douglas Corporation** Aircraft Type Designation\* **MD-90-30**  
 Engine Manufacturer\* **International Aero Engine** Engine Type Designation\* **V2525-D5**  
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\* **None**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A3894	<b>75.296</b>	<b>64.410</b>	<b>88,8</b>	<b>96,8</b>	<b>84,2</b>	<b>91,6</b>	<b>91,9</b>	<b>100,6</b>
A14192	<b>72.802</b>	<b>64.410</b>	<b>88,9</b>	<b>96,7</b>	<b>83,2</b>	<b>91,4</b>	<b>91,9</b>	<b>100,5</b>
A14193	<b>70.760</b>	<b>64.410</b>	<b>88,9</b>	<b>96,6</b>	<b>82,3</b>	<b>91,2</b>	<b>91,9</b>	<b>100,4</b>
A14194	<b>65.771</b>	<b>61.235</b>	<b>89,1</b>	<b>96,3</b>	<b>80,3</b>	<b>90,8</b>	<b>91,8</b>	<b>100,1</b>
A3892	<b>61.235</b>	<b>58.967</b>	<b>89,2</b>	<b>96,1</b>	<b>78,3</b>	<b>90,4</b>	<b>91,7</b>	<b>99,9</b>

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Type Certificate Holder\* **McDonnell Douglas Corporation** Aircraft Type Designation\* **MD-90-30**  
 Engine Manufacturer\* **International Aero Engine** Engine Type Designation\* **V2528-D5**  
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\* **None**  
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter\* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1903	<b>76.204</b>	<b>64.410</b>	<b>90,9</b>	<b>96,9</b>	<b>83,0</b>	<b>91,7</b>	<b>91,9</b>	<b>100,6</b>
A3895	<b>75.296</b>	<b>64.410</b>	<b>91,0</b>	<b>96,8</b>	<b>82,6</b>	<b>91,6</b>	<b>91,9</b>	<b>100,6</b>
A14195	<b>72.802</b>	<b>64.410</b>	<b>91,0</b>	<b>96,7</b>	<b>81,7</b>	<b>91,4</b>	<b>91,9</b>	<b>100,5</b>
A14196	<b>70.760</b>	<b>64.410</b>	<b>91,1</b>	<b>96,6</b>	<b>80,9</b>	<b>91,2</b>	<b>91,9</b>	<b>100,4</b>
A14197	<b>65.771</b>	<b>61.235</b>	<b>91,3</b>	<b>96,3</b>	<b>78,9</b>	<b>90,8</b>	<b>91,8</b>	<b>100,1</b>
A3893	<b>61.235</b>	<b>58.967</b>	<b>91,4</b>	<b>96,1</b>	<b>77,2</b>	<b>90,4</b>	<b>91,7</b>	<b>99,9</b>

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**Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	12 January 2010	Initial Issue
Issue 2	11 March 2010	Added records A14192 to A14197
Issue 3	22 November 2010	Added records A14415 and A14416