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# European Aviation Safety Agency

#### **EASA**

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

**No. EASA.A.397** 

for

**HS 748** 

## **Type Certificate Holder: BAE Systems (Operations) Ltd**

Prestwick International Airport Monkton, Ayrshire, Scotland KA9 2RW United Kingdom

(Aircraft manufactured by British Aerospace/Hawker Siddeley Aviation/A.V. Roe and Company 1960 through 1988)

For models: HS 748 Series 1

> HS 748 Series 2 HS 748 Series 2A HS 748 Series 2B

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 1

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 6 Mk 514

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

the certificated noise levels1

Noise Certification Basis ICAO Edition / Amendment Chapter<sup>1</sup>

EASA	Propeller	Propeller Type	Maximu	Maximum Mass		Lateral/Full Power EPNL		r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level 1	Limit	Level 1	Limit	Note
B1143	Dowty Rotol	CR.201/4-30-4/20	16,690	16,456							2
B1241	Dowty Rotol	CR.212/4-30-4/22	16,690	16,456							2
B1240	Dowty Rotol	CR.251/4-30-4/49	16,690	16,456							2

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

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 1

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Dart 7 Mk 533-2

Additional modifications essential to meet the requirements or needed to attain None

the certificated noise levels1

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis **ICAO** 

EASA	Propeller	peller Propeller Type		Maximum Mass		Lateral/Full Power EPNL		r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level 1	Limit	Level <sup>1</sup>	Limit	Note
B1242	Dowty Rotol	CR.201/4-30-4/20	16,690	16,456							2
B1243	Dowty Rotol	CR.212/4-30-4/22	16,690	16,456							2
B1244	Dowty Rotol	CR.251/4-30-4/49	16,690	16,456							2

<sup>&</sup>lt;sup>1</sup> See Note 1.

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 7 Mk 531

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

the certificated noise levels1

Noise Certification Basis ICAO Edition / Amendment Chapter<sup>1</sup>

EASA	Propeller	Propeller Type	Maximu	Maximum Mass		Lateral/Full Power EPNL		r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B1144	Dowty Rotol	CR.201/4-30-4/20	19,750	18,824							2
B1245	Dowty Rotol	CR.212/4-30-4/22	19,750	18,824							2
B1246	Dowty Rotol	CR.251/4-30-4/49	19,750	18,824							2

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

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 7 Mk 533-2

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

the certificated noise levels1

Noise Certification Basis ICAO Edition / Amendment Chapter<sup>1</sup>

EASA	Propeller	Propeller Type	Maximu	Maximum Mass		ull Power NL	Flyove	r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B1247	Dowty Rotol	CR.201/4-30-4/20	19,750	18,824							2
B1248	Dowty Rotol	CR.212/4-30-4/22	19,750	18,824							2
B1249	Dowty Rotol	CR.251/4-30-4/49	19,750	18,824							2

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

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 8 Mk 550-2

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

the certificated noise levels1

Noise Certification Basis ICAO Edition / Amendment Chapter<sup>1</sup>

EASA	Propeller	Propeller Type	Maximu	Maximum Mass		Lateral/Full Power EPNL		r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level 1	Limit	Level <sup>1</sup>	Limit	Note
B1250	Dowty Rotol	CR.201/4-30-4/20	19,750	18,824							2
B1251	Dowty Rotol	CR.212/4-30-4/22	19,750	18,824							2
B1252	Dowty Rotol	CR.251/4-30-4/49	19,750	18,824							2

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

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 534-2

Additional modifications essential to meet the requirements or needed to attain 6408 or 6517 (BAe Intake hushkit (RR Modification 1800))

the certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter 3

EASA	Propeller	Propeller Type	Maximu	ım Mass	Lateral/Full Power EPNL		Flyove	r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level 1	Limit	Note
B44	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	94.2	98.0	-
B43	Dowty Rotol	CR.212/4-30-4/22	20,183	19,504	93.4	94.0	88.7	89.0	94.2	98.0	-
B95	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	94.2	98.0	-
B92	Dowty Rotol	CR.251/4-30-4/49	20,183	19,504	93.4	94.0	88.7	89.0	94.2	98.0	-

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

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 534-2

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels1

6408 or 6517 (BAe Intake hushkit (RR Modification 1800)), RR Mod. 1860 (Modifications to engine compressor and turbine assemblies)

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis ICAO Annex 16, Volume I 3

EASA	Propeller	Propeller Type	Maximu	m Mass	Lateral/Full Power EPNL		Flyover EPNL		Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level 1	Limit	Level <sup>1</sup>	Limit	Note
B46	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B45	Dowty Rotol	CR.212/4-30-4/22	20,183	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-
B1099	Dowty Rotol	CR.212/4-30-4/22	19,995	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-
B101	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B98	Dowty Rotol	CR.251/4-30-4/49	20,183	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-
B1100	Dowty Rotol	CR.251/4-30-4/49	19,995	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 535-2

Additional modifications essential to meet the requirements or needed to attain 6408 or 6517 (BAe Intake hushkit (RR Modification 1800))

the certificated noise levels1

Chapter<sup>1</sup> Noise Certification Basis Edition / Amendment ICAO Annex 16, Volume I 3

EASA	Propeller	Propeller Type	Maximu	ım Mass	Lateral/Full Power EPNL		Flyove	r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B79	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	94.2	98.0	-
B77	Dowty Rotol	CR.212/4-30-4/22	20,183	19,504	93.4	94.0	88.7	89.0	94.2	98.0	-
B96	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	94.2	98.0	-
B93	Dowty Rotol	CR.251/4-30-4/49	20,183	19,504	93.4	94.0	88.7	89.0	94.2	98.0	-

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 535-2

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels1

6408 or 6517 (BAe Intake hushkit (RR Modification 1800)), RR Mod. 1860 (Modifications to engine compressor and turbine assemblies)

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis ICAO Annex 16, Volume I 3

EASA	Propeller	Propeller Type	Maximum Mass			ull Power NL	Flyove	r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level 1	Limit	Note
B83	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B81	Dowty Rotol	CR.212/4-30-4/22	20,183	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-
B102	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B99	Dowty Rotol	CR.251/4-30-4/49	20,183	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 536-2

Additional modifications essential to meet the requirements or needed to attain 6408 or 6517 (BAe Intake hushkit (RR Modification 1800))

the certificated noise levels1

Chapter<sup>1</sup> Noise Certification Basis Edition / Amendment ICAO Annex 16, Volume I 3

EASA	Propeller	Propeller Type	Maximu	ım Mass	Lateral/Full Power EPNL		Flyove	r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B80	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	94.2	98.0	-
B78	Dowty Rotol	CR.212/4-30-4/22	20,183	19,504	93.4	94.0	88.7	89.0	94.2	98.0	-
B97	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	94.2	98.0	-
B94	Dowty Rotol	CR.251/4-30-4/49	20,183	19,504	93.4	94.0	88.7	89.0	94.2	98.0	-

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

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 536-2

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels1

6408 or 6517 (BAe Intake hushkit (RR Modification 1800)), RR Mod. 1860 (Modifications to engine compressor and turbine assemblies)

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis ICAO Annex 16, Volume I 3

EASA	Propeller	Propeller Type	Maximum Mass			ull Power NL	Flyove	r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B84	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B82	Dowty Rotol	CR.212/4-30-4/22	20,183	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-
B103	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B100	Dowty Rotol	CR.251/4-30-4/49	20,183	19,504	93.4	94.0	88.7	89.0	92.8	98.0	-

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Dart 7 Mk 532-2L

Additional modifications essential to meet the requirements or needed to attain None

the certificated noise levels1

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis **ICAO** 

EASA	Propeller	Propeller Type	Maximu	Maximum Mass		Lateral/Full Power EPNL		r EPNL	Approac	ch EPNL	See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level 1	Limit	Level 1	Limit	Note
B1145	Dowty Rotol	CR.201/4-30-4/20	21,092	19,504							2
B1253	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504							2
B1254	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504							2

<sup>&</sup>lt;sup>1</sup> See Note 1.

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2A

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Dart 7 Mk 534-2

Additional modifications essential to meet the requirements or needed to attain None

the certificated noise levels1

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis **ICAO** 

EASA	Propeller	er Propeller Type		Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B1255	Dowty Rotol	CR.201/4-30-4/20	21,092	19,504							2
B1256	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504							2
B1257	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504							2

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 534-2

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

the certificated noise levels1

Noise Certification Basis

Edition / Amendment Chapter<sup>1</sup>

EASA	Propeller   Propeller Lype		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B47	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504							2
B104	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504							2

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

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 534-2

Additional modifications essential to meet the requirements or needed to attain 6408 or 6517 (BAe Intake hushkit (RR Modification 1800))

the certificated noise levels1

Chapter<sup>1</sup> Noise Certification Basis Edition / Amendment ICAO Annex 16, Volume I 3

EASA	Propeller   Propeller Lype		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B48	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B107	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 534-2

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup> 6408 or 6517 (BAe Intake hushkit (RR Modification 1800)), RR Mod. 1860 (Modifications to engine compressor and turbine assemblies)

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter 3

EASA	I Propeller I Propeller Lype I		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B89	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B110	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-

<sup>&</sup>lt;sup>1</sup> See Note 1.

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Dart 535-2

Additional modifications essential to meet the requirements or needed to attain None

the certificated noise levels1

Chapter<sup>1</sup> Noise Certification Basis Edition / Amendment

EASA	I Propeller I Propeller Lype I		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level 1	Limit	Level <sup>1</sup>	Limit	Note
B85	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504							2
B105	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504							2

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

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 535-2

Additional modifications essential to meet the requirements or needed to attain 6408 or 6517 (BAe Intake hushkit (RR Modification 1800))

the certificated noise levels<sup>1</sup>

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter<sup>1</sup> 3

EASA	I Propeller I Propeller Lype I		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B87	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B108	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	•

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

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> **Rolls-Royce** Dart 535-2

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels1

6408 or 6517 (BAe Intake hushkit (RR Modification 1800)), RR Mod. 1860 (Modifications to engine compressor and turbine assemblies)

Chapter<sup>1</sup> Edition / Amendment Noise Certification Basis ICAO Annex 16, Volume I 3

EASA	Propeller	Propeller Propeller Type		Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level 1	Limit	Note
B90	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B111	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 536-2

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

the certificated noise levels1

Noise Certification Basis Edition / Amendment Chapter<sup>1</sup>

EASA	Propeller Propeller Type		Propeller Type Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level 1	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B86	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504							2
B106	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504							2

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

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Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> **BAE Systems (Operations) Ltd** HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Dart 536-2

Additional modifications essential to meet the requirements or needed to attain 6408 or 6517 (BAe Intake hushkit (RR Modification 1800))

the certificated noise levels1

Chapter<sup>1</sup> Noise Certification Basis Edition / Amendment ICAO Annex 16, Volume I 3

EASA	Propeller   Propeller Lype		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B88	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B109	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-

Issue: 2

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Type Certificate Holder<sup>1</sup> BAE Systems (Operations) Ltd Aircraft Type Designation<sup>1</sup> HS 748 Series 2B

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Dart 536-2

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup> 6408 or 6517 (BAe Intake hushkit (RR Modification 1800)), RR Mod. 1860 (Modifications to engine compressor and turbine assemblies)

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter 3

EASA	Propeller   Propeller Lype		Maximu	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
B91	Dowty Rotol	CR.212/4-30-4/22	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-
B112	Dowty Rotol	CR.251/4-30-4/49	21,092	19,504	93.3	94.0	88.7	89.0	92.8	98.0	-

<sup>&</sup>lt;sup>1</sup> See Note 1.

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#### **TCDSN EASA.A.397 Notes**

1. Items so marked shall be included on EASA Form 45.

2. This aircraft type conforms with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.

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Issue: 2

### **Change Record**

Issue	Date	Changes
Issue 1	04 November 2009	Initial Issue
Issue 2	10 July 2012	Addition of HS 748 Series 1. Additional records for Series 2 and Series 2A. Revision to engine and propeller designations in line with
		TCDS. Deletion of certification noise levels for Series 2B without modification.

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