

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

HS748 Series

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

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

For models : HS748 Series 1
HS748 Series 2
HS748 Series 2A
HS748 Series 2B

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

Aircraft Type Designation **HS748 Series 1**

Engine Manufacturer

Engine Type Designation

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

Noise Certification Basis

Edition / Amendment

Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
B1143										

By virtue of the date of type certification all models of this aircraft type are in accordance 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.

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

Aircraft Type Designation **HS748 Series 2**

Engine Manufacturer

Engine Type Designation

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

Noise Certification Basis

Edition / Amendment

Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
B1144										

By virtue of the date of type certification all models of this aircraft type are in accordance 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.

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

Aircraft Type Designation **HS748 Series 2A**

Engine Manufacturer

Engine Type Designation

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

Noise Certification Basis

Edition / Amendment

Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit
B1145										

By virtue of the date of type certification all models of this aircraft type are in accordance 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. However EASA has approved noise levels for some models of this type (consult the database and TCDSN for details).

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2A**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 534-2**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **6408 or 6517 (BAe Intake hushkit (RR Modification 1800))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B44	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	94,2	98,0
B43	Dowty RotoI	R212/4-30-4/22	20.183	19.504	93,4	94,0	88,7	89,0	94,2	98,0
B95	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	94,2	98,0
B92	Dowty RotoI	R251/4-30-4/49	20.183	19.504	93,4	94,0	88,7	89,0	94,2	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2A**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 534-2**

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

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 Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B46	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B45	Dowty RotoI	R212/4-30-4/22	20.183	19.504	93,4	94,0	88,7	89,0	92,8	98,0
B1099	Dowty RotoI	R212/4-30-4/22	19.995	19.504	93,4	94,0	88,7	89,0	92,8	98,0
B101	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B98	Dowty RotoI	R251/4-30-4/49	20.183	19.504	93,4	94,0	88,7	89,0	92,8	98,0
B1100	Dowty RotoI	R251/4-30-4/49	19.995	19.504	93,4	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2A**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 535-2**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **6408 or 6517 (BAe Intake hushkit (RR Modification 1800))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B79	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	94,2	98,0
B77	Dowty RotoI	R212/4-30-4/22	20.183	19.504	93,4	94,0	88,7	89,0	94,2	98,0
B96	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	94,2	98,0
B93	Dowty RotoI	R251/4-30-4/49	20.183	19.504	93,4	94,0	88,7	89,0	94,2	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2A**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 535-2**

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

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 Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B83	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B81	Dowty RotoI	R212/4-30-4/22	20.183	19.504	93,4	94,0	88,7	89,0	92,8	98,0
B102	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B99	Dowty RotoI	R251/4-30-4/49	20.183	19.504	93,4	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2A**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 536-2**

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

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

Chapter* **3**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B80	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	94,2	98,0
B78	Dowty RotoI	R212/4-30-4/22	20.183	19.504	93,4	94,0	88,7	89,0	94,2	98,0
B97	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	94,2	98,0
B94	Dowty RotoI	R251/4-30-4/49	20.183	19.504	93,4	94,0	88,7	89,0	94,2	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2A**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 536-2**

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

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 Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B84	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B82	Dowty RotoI	R212/4-30-4/22	20.183	19.504	93,4	94,0	88,7	89,0	92,8	98,0
B103	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B100	Dowty RotoI	R251/4-30-4/49	20.183	19.504	93,4	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2B**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 534-2**
 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* **2**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B47	Dowty RotoI	R212/4-30-4/22	21.092	19.504	96,8	102,0	92,5	93,0	103,4	102,0
B104	Dowty RotoI	R251/4-30-4/49	21.092	19.504	96,8	102,0	92,5	93,0	103,4	102,0

By virtue of the date of type certification all models of this aircraft type are in accordance 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. However EASA has approved noise levels for this model as detailed in this record.

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

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

Aircraft Type Designation* **HS748 Series 2B**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 534-2**

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

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

Chapter* **3**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B48	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B107	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2B**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 534-2**

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

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 Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B89	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B110	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2B**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 535-2**
 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* **2**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B85	Dowty RotoI	R212/4-30-4/22	21.092	19.504	96,8	102,0	92,5	93,0	103,4	102,0
B105	Dowty RotoI	R251/4-30-4/49	21.092	19.504	96,8	102,0	92,5	93,0	103,4	102,0

By virtue of the date of type certification all models of this aircraft type are in accordance 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. However EASA has approved noise levels for this model as detailed in this record.

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

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2B**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 535-2**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **6408 or 6517 (BAe Intake hushkit (RR Modification 1800))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B87	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B108	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2B**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 535-2**

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

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 Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B90	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B111	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2B**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 536-2**
 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* **2**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B86	Dowty RotoI	R212/4-30-4/22	21.092	19.504	96,8	102,0	92,5	93,0	103,4	102,0
B106	Dowty RotoI	R251/4-30-4/49	21.092	19.504	96,8	102,0	92,5	93,0	103,4	102,0

By virtue of the date of type certification all models of this aircraft type are in accordance 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. However EASA has approved noise levels for this model as detailed in this record.

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

Type Certificate Holder* **BAE Systems (Operations) Ltd** Aircraft Type Designation* **HS748 Series 2B**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **RR Dart 536-2**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **6408 or 6517 (BAe Intake hushkit (RR Modification 1800))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B88	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B109	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

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

Aircraft Type Designation* **HS748 Series 2B**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **RR Dart 536-2**

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

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 Record No.	Propeller Manufacturer *	Propeller Type Designation *	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL	
			Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
B91	Dowty RotoI	R212/4-30-4/22	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0
B112	Dowty RotoI	R251/4-30-4/49	21.092	19.504	93,3	94,0	88,7	89,0	92,8	98,0

Aircraft with BAe Intake hushkit modification 6408 or 6517 (RR Modification 1800) have been determined to comply with the standards of ICAO Annex 16, Volume I, Chapter 3.

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

Change Record

Issue	Date	Changes
Issue 1	04 November 2009	Initial Issue