TCDSN No.: EASA.A.037 FOKKER F28 Page 1 of 20 Issue: 5 Date: 22 August 2013



### European Aviation Safety Agency

#### **EASA**

# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.A.037** 

for

**FOKKER F28** 

# Type Certificate Holder: Fokker Services b.v.

Hoeksteen 40 2132 MS Hoofddorp THE NETHERLANDS

For models: F28 Mark 0070

F28 Mark 0100 F28 Mark 1000 F28 Mark 2000 F28 Mark 3000 F28 Mark 4000 TCDSN No.: EASA.A.037 Page 2 of 20 Date: 22 August 2013

Issue: 5

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Issue: 5

Date: 22 August 2013

Page 3 of 20

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 0070

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> Tay 620-15

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

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

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

EASA	Maximu	m Mass	Latera	I EPNL	Flyove	r EPNL	Approac	ch EPNL	See
Record No.	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
A3779	41,730	36,740	89.5	94.7	80.1	89.0	88.3	98.6	-
A3778	39,915	36,740	89.6	94.5	78.8	89.0	88.3	98.4	-
A3777	38,100	36,740	89.8	94.3	77.7	89.0	88.3	98.3	-
A17902	38,100	35,830	89.8	94.3	77.7	89.0	88.1	98.3	-
A3776	37,995	36,740	89.8	94.3	77.6	89.0	88.3	98.3	-
A3775	37,995	34,020	89.8	94.3	77.6	89.0	87.7	98.3	-
A3774	36,740	34,020	89.9	94.2	76.9	89.0	87.7	98.2	-

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

Issue: 5

Page 4 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 0100

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Tay 620-15

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

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

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

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approach EPNL		Soo
Record No.	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	See Note
A3771	44,450	39,915	89.2	94.9	84.4	89.0	93.4	98.8	-
A10196	43,995	39,915	89.2	94.9	84.1	89.0	93.4	98.8	-
A3770	43,995	38,780	89.2	94.9	84.1	89.0	93.1	98.8	-
A3768	43,090	38,780	89.3	94.8	83.4	89.0	93.1	98.7	-
A3767	41,995	39,915	89.6	94.7	82.9	89.0	93.4	98.6	-

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

Issue: 5

Page 5 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 0100

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce Tay 650-15

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

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

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

EASA	Maximu	m Mass	Latera	I EPNL	Flyove	r EPNL	Approac	ch EPNL	Coo
Record No.	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	See Note
A3773	45,810	39,915	91.6	95.0	82.7	89.0	93.0	98.9	-
A3772	44,450	39,915	91.7	94.9	81.8	89.0	93.0	98.8	-
A3769	43,090	38,780	91.8	94.8	80.7	89.0	92.7	98.7	-
A10185	41,995	39,915	91.9	94.7	80.7	89.0	93.0	98.6	-
A3766	40,995	39,915	92.0	94.6	80.7	89.0	93.0	98.5	-

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

Issue: 5

Page 6 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 1000

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> RB 183 Mk 555-15

Additional modifications essential to meet the requirements or needed to attain SB No. 51-23 (Increase of MTOW and MLW)

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

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 1 Chapter 2

EASA	Maximu	m Mass	Lateral	EPNL	Flyove	· EPNL	Approac	ch EPNL	900
Record No.	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	See Note
A13486	30,164	26,762	99.5	102.0	91.6	93.0	100.5	102.0	-
A13487	29,484	26,762	96.6	102.0	90.6	93.0	100.5	102.0	-

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

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Issue: 5

Page 7 of 20
Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 1000

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> RB 183 Mk 555-15N

Additional modifications essential to meet the requirements or needed to attain

SB No. 71-9 and SB No. 51-23 (Engine installation and increase of

the certificated noise levels<sup>1</sup> MTOW and MLW)

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 1 Chapter 2

EASA	Maximu	m Mass	Latera	I EPNL	Flyovei	r EPNL	Approach EPNL		\$00
Record No.	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	See Note
A13488	30,164	26,762	99.5	102.0	91.6	93.0	100.5	102.0	-
A13489	29,484	26,762	96.6	102.0	90.6	93.0	100.5	102.0	-

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

Issue: 5

.037 Page 8 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 1000

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> RB 183 Mk 555-15P

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

SB No. 71-12 and SB No. 51-23 (Engine installation and increase of MTOW and MLW)

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 1 Chapter 2

EASA	Maximu	Maximum Mass		I EPNL	Flyove	r EPNL	Approach EPNL		900
Record No.	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	See Note
A13490	30,164	26,762	99.5	102.0	91.6	93.0	100.5	102.0	-
A13491	29,484	26,762	96.6	102.0	90.6	93.0	100.5	102.0	-

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

Issue: 5

EASA.A.037 Page 9 of 20
Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 2000

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> RB 183 Mk 555-15

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

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

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 1 Chapter 2

		um Mass Latera		I EPNL	Flyover EPNL		Approach EPNL		\$00
Record No.	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	See Note
A13492	29,484	26,762	96.6	102.0	90.9	93.0	101.1	102.0	-

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

Issue: 5

Page 10 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 2000

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce RB 183 Mk 555-15N

Additional modifications essential to meet the requirements or needed to attain SB No. 71-9 (Engine installation)

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

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 1** 2

EASA Record No.	Maximu	m Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Soo	
	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	See Note	
A13493	29,484	26,762	96.6	102.0	90.9	93.0	101.1	102.0	-	

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

Date: 22 August 2013 Issue: 5

Page 11 of 20

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 3000

Engine Type Designation<sup>1</sup> Engine Manufacturer<sup>1</sup> Rolls-Royce RB 183 Mk 555-15H

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

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

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 3** 2

EASA	Maximum Mass		Latera	I EPNL	Flyover EPNL		Approach EPNL		Soo
Record No.	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	See Note
A13495	32,205	29,030	95.7	102.0	87.6	93.0	99.4	102.0	-

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

Issue: 5

Page 12 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 3000

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> RB 183 Mk 555-15H

Additional modifications essential to meet the requirements or needed to attain SB No. 51-15 (Increase of MTOW)

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

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 3 Chapter<sup>1</sup> 2

EASA	Record No	m Mass	Latera	EPNL	Flyove	r EPNL	Approach EPNL		See
Record No.	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
A13494	33,112	29,030	95.8	102.0	87.9	93.0	99.4	102.0	-

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

Issue: 5

Date: 22 August 2013

Page 13 of 20

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 4000

Engine Type Designation<sup>1</sup> Engine Manufacturer<sup>1</sup> Rolls-Royce RB 183 Mk 555-15H

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

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

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 3** 2

EASA Record No.	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	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	See Note
A13499	32,205	29,030	95.7	102.0	87.6	93.0	99.9	102.0	-

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

Issue: 5

Page 14 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 4000

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce RB 183 Mk 555-15H

SB No. 51-17 (Increase of MLW) Additional modifications essential to meet the requirements or needed to attain

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

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 3** 2

EASA	Record No.	m Mass	Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	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	See Note
A13498	32,205	29,846	95.7	102.0	87.6	93.0	99.4	102.0	-

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

Issue: 5

Page 15 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 4000

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce RB 183 Mk 555-15H

SB No. 51-15 (Increase of MTOW) Additional modifications essential to meet the requirements or needed to attain

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

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 3** 2

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Soc
Record No.	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	See Note
A13497	33,112	29,030	95.8	102.0	87.9	93.0	99.9	102.0	-

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

Issue: 5

Page 16 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 4000

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce RB 183 Mk 555-15H

Additional modifications essential to meet the requirements or needed to attain SB No. 51-15 and SB No. 51-17 (Increase of MTOW and MLW) the certificated noise levels<sup>1</sup>

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 3** 2

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Soc
	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	See Note
A13496	33,112	29,846	95.8	102.0	87.9	93.0	99.4	102.0	-

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

Issue: 5

Page 17 of 20 Date: 22 August 2013

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 4000

Engine Manufacturer<sup>1</sup> Engine Type Designation<sup>1</sup> Rolls-Royce RB 183 Mk 555-15P

SB No. 71-8, SB No. 51-15 (Engine installation and Increase of Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup> MTOW)

Chapter<sup>1</sup> Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment **Edition 3** 2

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See
Record No.	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
A13502	33,112	29,030	95.6	102.0	86.4	93.0	101.0	102.0	-

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

Noise Certification Basis

Issue: 5

Page 18 of 20 Date: 22 August 2013

Chapter<sup>1</sup>

2

Type Certificate Holder<sup>1</sup> Fokker Services b.v. Aircraft Type Designation<sup>1</sup> F28 Mark 4000

Engine Manufacturer<sup>1</sup> Rolls-Royce Engine Type Designation<sup>1</sup> RB 183 Mk 555-15P

Edition / Amendment

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

SB No. 71-8, SB No. 51-15 and SB No. 51-17 (Engine installation and increase of MTOW and MLW)

**Edition 3** 

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ICAO Annex 16, Volume I

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Coo
	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	See Note
A13500	33,112	31,525	95.6	102.0	86.4	93.0	100.6	102.0	-
A13501	33,112	29,846	95.6	102.0	86.4	93.0	100.8	102.0	-

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

TCDSN No.: EASA.A.037 Page 19 of 20 Issue: 5 Date: 22 August 2013

### **TCDSN EASA.A.037 Notes**

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

TCDSN No.: EASA.A.037 Page 20 of 20 Date: 22 August 2013

Issue: 5

### **Change Record**

Issue	Date	Changes
Issue 1		Initial Issue
Issue 2	22 January 2010	Added Records A13487 to A13503
Issue 3	23 August 2010	Added records A10185 and A10196
Issue 4	08 May 2012	Record A17902 added.
Issue 5	22 August 2013	Change of address of the TC holder

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