



TYPE-CERTIFICATE DATA SHEET

NO. EASA.A.678

for

SMG-92

Turbine Finist

Type Certificate Holder

PRAGA Avia s.r.o.

U Císařské cesty 219
103 00 Prague 10 - Benice
Czech Republic

See Note 1.

For models: SMG-92 Turbine Finist



Intentionally left blank



Table of Contents

SECTION 1: SMG-92 Turbine Finist	5
I.General.....	5
1. Type/ Model/ Variant.....	5
2. Performance Class.....	5
3. Certifying Authority	5
4. Manufacturer	5
5. State of Design Authority Certification Application Date (HgCAA)	5
6. EASA Type Certification Application Date (Grandfathering Process).....	5
7. State of Design Authority Type Certificate Date (HgCAA).....	5
8. EASA Type Certification Date	5
II. Certification Basis.....	6
1. Reference Date for determining the applicable requirements.....	6
2. State of Design Airworthiness Authority Type Certification Data Sheet No.	6
3. State of Design Airworthiness Authority Certification Basis	6
4. EASA Airworthiness Requirements	6
5. Special Conditions	6
6. Exemptions.....	6
7. Deviations.....	6
8. Equivalent Safety Findings.....	6
9. Environmental Protection	6
III.Technical Characteristics and Operational Limitations	7
1. Type Design Definition	7
2. Description	7
3. Equipment	7
4. Dimensions	7
5. Engine	7
6. Auxiliary Power Unit.....	7
7. Propellers.....	7
8. Fluids.....	8
9. Fluid capacities	8
10. Air Speeds.....	8
11. Flight Envelope	8
12. Operating Limitations.....	8
13. Maximum Certified Masses.....	9
14. Centre of Gravity Range	9
15. Datum	9
16. Mean Aerodynamic Chord (MAC)	9
17. Levelling Means.....	9
18. Minimum Flight Crew	9
19. Minimum Cabin Crew.....	9
20. Maximum Seating Capacity	9
21. Baggage/ Cargo Compartments	9
22. Wheels and Tyres	9



23. ETOPS	10
IV.Operating and Service Instructions.....	11
1. Airplane Flight Manual (AFM)	11
2. Instructions for Continued Airworthiness and Airworthiness Limitations.....	11
3. Weight and Balance Manual	11
V.Notes.....	12
1. Contracted DOA.....	12
2. Applicable Serial Numbers	12
SECTION ADMINISTRATIVE	13
I. Acronyms & Abbreviations	13
II. Type Certificate Holder Record	13
III. Change Record.....	13



SECTION 1: SMG-92 Turbine Finist

I.General

1. Type/ Model/ Variant
 - 1.1 Type SMG-92 Turbine Finist
 - 1.2 Model -
 - 1.3 Variant SMG-92 Turbine Finist

2. Performance Class
Normal (N)

3. Certifying Authority
National Transport Authority, Directorate of Air Transport,
Republic of Hungary

4. Manufacturer
TECHNOAVIA
Magistralnaja ul. 14, str. 1.
123007 Moscow 5
Russia
or/and
AEROTECH SLOVAKIA
Ivánska cesta, Airport M.R.Štefanik
820 01 Bratislava
Slovak Republic

5. State of Design Authority Certification Application Date (HgCAA)
1999

6. EASA Type Certification Application Date (Grandfathering Process)
31.03.2021

7. State of Design Authority Type Certificate Date (HgCAA)
December 11, 2000

8. EASA Type Certification Date
04.03.2024



II. Certification Basis

1. Reference Date for determining the applicable requirements
--
2. State of Design Airworthiness Authority Type Certification Data Sheet No.
TCDS HgCAA 66RK93
3. State of Design Airworthiness Authority Certification Basis
FAR Part 23 Amdt. 23-46
4. EASA Airworthiness Requirements
--
5. Special Conditions
--
6. Exemptions
--
7. Deviations
--
8. Equivalent Safety Findings
--
9. Environmental Protection
 - 9.1 Noise ref. to TCDSN no. EASA.A.678
 - 9.2 Fuel Venting ICAO Annex 16, Volume II, Part II; Second Edition 1999 (ref. also EASA engine TCDS No. E.070)



III. Technical Characteristics and Operational Limitations

1. Type Design Definition

SMG-92 Turbine Finist Aircraft Type Design Documentation - SMG002.23-AS Rev.A dated 30/11/2023 or later approved revision

2. Description

The SMG-92 Turbine Finist is an all metal, high wing, single turboprop engine equipped airplane designed for general multi-purposes utility. The airplane has a conventional single vertical stabilizer, rudder, horizontal stabilizer and elevator tail assembly. The landing gear is non-retractable tricycle type with two main wheels and a steerable tail wheel.

Refer. To SMG-92 Turbine Finist Aircraft Type Specification - SMG001.23-AS Rev.B dated 26/01/2024 or later approved revision

3. Equipment

Equipment list, refer to AFM

4. Dimensions

Span:	14,6 m (without WTT) 14,85 m (with WTT)
Length:	7,797 m
Height:	3,94 m (flying attitude)
Wing Area:	20,44 m ²

5. Engine

5.1. Model	M601D-1
5.2 Type Certificate	EASA E.070
5.3 Type Certificate Holder	GE Aviation Czech s.r.o.
5.4 Limitations	Refer to AFM, Section 2

6. Auxiliary Power Unit

N/A

7. Propellers

7.1 Model	V 508D-2/99B
7.2 Type Certificate	EASA P.028
7.3 Type Certificate Holder	Avia Propeller Ltd.
7.4 Number of blades	3



7.5 Diameter 2.500 m
7.6 Sense of Rotation clockwise

8. Fluids

8.1 Fuel

- a. Jet A1, according to ASTM 1655-89 (USA standards)
- b. T-1 according to GOST 10227-62 (Russian Federation Standards)

For further information refer to Engine Service Bulletin.

8.2 Oil

- a. AERO SHELL turbine oil 500 or 550
- b. Mobil Jet Oil II according to MIL/L 233 699 B/2 (USA)
- c. Exxon 2380

For further information refer to Engine Service Bulletin.

9. Fluid capacities

9.1 Fuel

Wing Fuel Tanks	Total:	370 litres
	Usable:	366 litres
Wingtips Fuel Tanks (optional):		
	Total:	400 litres
	Usable:	390 litres

9.2 Oil

Maximum:	7 litres
Minimum:	5,5 litres

10. Air Speeds

Design Manoeuvring Speed V_A :	240 km/h
Flap Extended Speed V_{FE} :	185 km/h
Maximum Structural Cruising Speed V_{MO} :	280 km/h
Never Exceed Speed V_{NE} :	305 km/h
Stall Speed V_{SO} :	100 km/h

11. Flight Envelope

--

12. Operating Limitations

12.1 Approved Operations

Day-VFR

Night-VFR



12.2 Other Limitations

Altitude:	Normal:	12 000 feet	3658 m
	Para dropping operation:	14 000 feet	4267 m
	With individual oxygen supply:	20 000 feet	6096 m

13. Maximum Certified Masses

Take-off (MTOW):

S/N: 02-001 2700 kg

Landing:

S/N: 02-001 2700 kg

14. Centre of Gravity Range

Forward Limit: 24% MAC, 1,330 m behind Datum

Aft Limit: 49% MAC, 1,680 m behind Datum

15. Datum

0,994 m to the wing leading edge

16. Mean Aerodynamic Chord (MAC)

17. Levelling Means

See Levelling Chart

18. Minimum Flight Crew

1 pilot

19. Minimum Cabin Crew

20. Maximum Seating Capacity

10 (includes crew)

21. Baggage/ Cargo Compartments

Location: In the 4th seat row, beside the rear passenger seat.

Max. allowable load: Refer to AFM, Section 6 and 9

22. Wheels and Tyres

Main Wheel Type: a. Cleveland 40-179
b. KT-317
c. K42-1100.00



- Main Wheel Tyre Size: a. 29 x 11.0-10
 b. 0.60 m x 0.18 m
 c. 610 x 215
- Tail Wheel Type: a. 44-1
 b. KT-352
 c. K41-1100.00
- Tail Wheel Tyre Size: a. 400 x 150
 b. 290 x 110
 c. 0.255 m x 0.11 m

23. ETOPS

N/A



IV. Operating and Service Instructions

1. Airplane Flight Manual (AFM)

SMG-92 Turbine Finist Airplane Flight Manual (AFM)
SMG011-23-AS dated 30/11/2023
(reissued based on original AFM HgCAA, Approval No. 1159/2001) or later approved revision

2. Instructions for Continued Airworthiness and Airworthiness Limitations

SMG-92 Turbine Finist Maintenance Manual
SMG010-23-AS dated 30/11/2023 or later approved revision

Airworthiness Limitation Section included in
SMG-92 Turbine Finist Maintenance Manual SMG010-23-AS

CHAPTER 004.00.00

SMG-92 Turbine Finist Maintenance Schedule
G92 MME, Section 4.1

HgCAA Approval No. 541625/2003 (May 2003) or later approved revision

3. Weight and Balance Manual

Refer to AFM Section 6



V.Notes

1. Contracted DOA

TC holder obligations are covered by an agreement signed between TC holder (PRAGA Avia s.r.o.) and Contracted DOA Holder (EVEKTOR, spol. s r.o. / EASA.21J.057). For Continued Airworthiness and other technical issues directly contact the Contracted DOA Holder:

EVEKTOR, spol. s r.o.
Letecká 1008
686 04 Kunovice
Czech republic

2. Applicable Serial Numbers

S/N	MFY
02-001	2004



SECTION ADMINISTRATIVE

I. Acronyms & Abbreviations

N/A

II. Type Certificate Holder Record

Since Date of Issue 01:

PRAGA Avia s.r.o.
U Císařské cesty 219
103 00 Praha 10 - Benice
Czech Republic

See Note 1 – Contracted DOA.

III. Change Record

Issue	Date	Changes	TC Issue No. & Date
Issue 01	04 Mar 2024	Initial Issue (Grandfathering of MSN 02-001 only from HgCAA)	Initial Issue, 04 March 2024

-END-

