



Sivil Havacılık Genel Müdürlüğü
Directorate General of Civil Aviation

TCDS No: TR.R.001
Rev. No: 01
Date: 15.09.2026

TYPE CERTIFICATE DATA SHEET

TR.R.001

Type: T625 (GÖKBEY)

Type Certificate Holder:

TUSAŞ- TÜRK HAVACILIK VE UZAY SANAYİİ A.Ş.
TURKISH AEROSPACE, INC. (TA)

Fethiye Mah. Havacılık Bul. No:17
06980 Kahramankazan-ANKARA / TURKEY

Model: T625



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SECTION A: GENERAL (For all Types and Models/Variants)

A.1 General

1	Data Sheet No:	TR.R.001
2	Type:	T625 (GÖKBEY)
3	Model:	T625
4	Airworthiness Category:	Large Rotorcraft – Cat A / B
5	Type Certificate Holder:	TUSAŞ-Türk Havacılık ve Uzay Sanayii A.Ş.
6	Manufacturer:	TUSAŞ-Türk Havacılık ve Uzay Sanayii A.Ş.
7	Certification Application Date:	23.03.2016
8	Type Certificate Date:	16.03.2026
9	Limitations:	Refer to Approved RFM.

A.2 Certification Basis

1	Reference Date for Certification:	23.03.2016
2	Airworthiness Requirements:	CS 29 Large Rotorcraft Certification Specification, Amendment 3
3	Eligible Serial Numbers:	T625C-0001 and subsequent
4	Special Conditions:	F-02 Protection from Effects of HIRF F-03 Protection from Lightning Strike Indirect Effects F-05 Lithium Battery Installations
5	Exemptions:	E-01 Demanding exemption for usage of Halon 1301 as power plant fire extinguishing agent.
6	Equivalent Safety Findings:	B-01 Autorotative SHSS Stability D-01 Evacuation in case of Rotorcraft Coming to Rest on its Side D-02 Brightness Compliance Methodology of Self-Illuminated Emergency Exit Placards G-02 Airspeed indicator marking



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7 Environmental Protection Requirements

- 7.1 Noise Requirements ICAO Annex 16 Volume I, Ed.8th, 2017,
See TCDS-N TR.R.001
- 7.2 Emission Requirements ICAO Annex 16, Ed. 1993, Vol. II, Part II, Chapter 2 (fuel
venting). Emission is not applicable.

8 Operational Suitability Data (OSD)

- 8.1 Master Minimum Equipment List (MMEL) CS-MMEL – Master Minimum Equipment List, Issue 3;
- 8.2 Flight Crew Data (FCD) CS-FCD – Flight Crew Data, Issue 2;
- 8.3 Maintenance Certifying Staff Data (MCSD) CS-MCSD – Maintenance Crew Data, Issue 1;
- 8.4 Simulation Data (SIMD) Reserved



**SECTION B: TECHNICAL CHARACTERISTICS AND OPERATIONAL LIMITATIONS,
OPERATING AND SERVICE INSTRUCTIONS**

B.1 Definitions

Type Design Definition

List of main drawings defined in TH0000SPT030 T625 Type Design Definition.

Description

T625 Helicopter, designed and manufactured by Turkish Aerospace., is a conventional helicopter powered by twin CTS800-4AT turbo-shaft engines.

Main rotor : Fully-articulated, 5 bladed

Tail rotor : Fully-articulated, 4 bladed

Fuselage : Composite and aluminum structure

Landing gear : Tricycle, retractable

Control system : Irreversible mechanical with hydraulic actuation

Power plant : 2 independent turboshaft engines.

Equipment:

Refer to approved RFM for equipment list.

Dimensions:

Fuselage Length : 13.48 m

Width : 3.98 m

Height : 3.85 m

Main Rotor Diameter : 13.2 m

Tail Rotor Diameter : 2.56 m

Refer to approved RFM.



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B.2 Technical Characteristics and Operational Limitations:

Engine:

Model: Light Helicopter Turbine Engine Company (LHTEC) CTS800-4AT turboshaft engines are used. Model: LHTEC CTS800-4AT (x2)

Type Certificate: FAA TC/TCDS No: TE2CH

Limitations: Installed Engine Limits

	Torque (Tq) Limits per engine (%)	Gas Generator Speed (Ng) Limits (%)	Power Turbine Inlet Temperature (PTIT) Limits (°C)
Maximum Continuous	100	100.7	878
Take-off	106.3	102.3	905
AEO Torque Override	116	107.3	1007
OEI Continuous	123.8	102.3	905
OEI 2-minute (LOW)	137.5	104.6	953
OEI 30-second (HIGH)	151	107.3	1007
OEI Torque Override	156.5	107.3	1007
OEI TRN LOW	123.8*	100.7	878
OEI TRN HIGH	137.5*	102.3	905
*In training mode, torque limiting is achieved by limiting each engine individually. Given values are total torque limits for dual engine training mode.			



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Fluids:

Fuel:

JP-8 MIL-DTL-83133 NATO Code F-34

JET A-1 ASTM D1655 NATO Code F-35

Total Usable Fuel Tank Capacity: 1030 kg

Total Unusable Fuel Tank Capacity: 18 kg

Oil:

Engine Oil: MIL-PRF-7808 or MIL-PRF-23699 type oil

Engine Oil Tank Capacity: 3.02 liters

Transmission Oil: DOD-L-85734 and MIL-PRF-23699F type oil

Hydraulic Oil: MIL-PRF-83282 type oil

Hydraulic Oil Tank Capacity: 4.5 liters

Airspeed Limitations:

$V_{NE} = 160$ KIAS (up to 5000 ft DA)

$V_{NE\ OEI} = 130$ KIAS (up to 5000 ft DA)

$V_{NE\ PWR\ OFF} = 120$ KIAS (up to 5000 ft DA)

For variation with altitude and temperature refer to approved RFM.

Ground Speed

Max forward speed for running landing is 50 KIAS (Paved Surface)

Max taxi speed is 20 Knots (Nose wheel unlocked)

Max taxi speed is 40 Knots (Nose wheel locked)

Max towing speed is 20 km/hr. (Paved Surface).

Wheel Brake

Maximum running speed for brake application is 40 Knots

Maximum running speed for emergency brake application is 50 Knots.

Wind Speed

Maximum wind speed for rotor start and stop is 40 Knots.

Rotor Speed Limitations

T625 is a fixed-RPM rotorcraft and nominal RPM is taken as 100% at Power On.

Power ON

AEO

Normal operating.....97 to 103%

Transient.....95 to 105%

OEI

Normal operating..... 90 to 103%

Transient.....87 to 105%

Power OFF

Normal operating.....90 to 110%

Transient.....85 to 115%



Maximum Operating

Altitude and Temperature: Maximum operating altitude: 15,000 feet DA or PA whichever comes first
For Altitude and Temperature Limitations refer to approved RFM Section 1.

Limitations: Two Pilots for Day/Night VFR operations
Flight into known icing is prohibited.
Flight in falling and blowing snow is prohibited.
Cat A clear area take-off and landing is allowed.
See also approved RFM.

Maximum Gross Weight: Take-off: 6050 kg
Landing: 6050 kg

Centre of Gravity Range: **Longitudinal C.G. limits**

Maximum forward limit:

5280 mm aft of DP at 6050 kg

5193 mm aft of DP at 5438 kg

5240 mm aft of DP at 5000 kg

5450 mm aft of DP at 4500 kg

Maximum rearward limit:

5600 mm aft of DP at 6050 kg

5611 mm aft of DP at 4750 kg

5575 mm aft of DP at 4500 kg

Lateral C.G. limits

Maximum deviation on right / left:

80 mm at 4500 kg

80 mm at 6050 kg

Refer to approved RFM.

Datum: Longitudinal: Located 3345 mm forward of the front jack point.

Lateral: The line extending down the centerline of the helicopter (helicopter viewed from the top) measurements made to the starboard side of the helicopter are positive numbers. Measurements made to the port side of the helicopter are negative.

Refer to approved Maintenance Manual.

**Sivil Havacılık Genel Müdürlüğü***Directorate General of Civil Aviation***TCDS No:** TR.R.001**Rev. No:** 01**Date:** 15.09.2026**Levelling Means:** Refer to approved Maintenance Manual**Minimum Flight Crew:** 2 pilots**Maximum Passenger Capacity:** 12 passengers**Passenger Emergency Exits:** 8 exits, of which are
- 1 exit on each side of the cockpit
- 3 exits on each side of the passenger cabin**Baggage / Cargo
Compartment:** 227 kg (500 lb)**Auxiliary Power Unit (APU):** N/A**Life-limited Parts:** Refer to approved Maintenance Manual (T625-C-PIM-00-P, Periodic Inspection Manual (PIM) Chapter; T625-ALL-04-00-00-00A-040A-A, T625-ALL-04-00-00-01A-040A-A, T625-ALL-04-00-00-02A-040A-A and T625-ALL-04-10-00-00A-019A-A)**Wheels and Tires:** Main landing gears have single wheels and nose landing gear has twin wheels fitted to each gear legs. Properties of the tires mounted on the wheels and tire inflation pressures are:

	Main	Nose
Tire Type	Tubeless 18x5.5 inch – 14Ply	Tubeless 5.00- 5 inch – 10Ply
Tire Inflation Pressure	14.83 ± 0.1 bar (215 ±1.45 psi)	8.27 ± 0.1 bar (120 ±1.45 psi)

B.3 Operating and Service Instructions:

Rotorcraft Flight Manual (RFM):

Helicopters must be operated according to the approved Rotorcraft Flight Manual, (T625-A-RFM-00) Issue 1 (or later approved revision)

Helicopter Maintenance Manual (HMM):

- Helicopter Maintenance Manual, (T625-C-HMM-00-P)
- Airworthiness Limitations Section, T625-C-PIM-00-P (Chapter T625-ALL-04-00-00-00A-040A-A, T625-ALL-04-00-00-01A-040A-A, T625-ALL-04-00-00-02A-040A-A and T625-ALL-04-10-00-00A-019A-A), Issue 001, DGCA Approved 16 March 2026, or later approved revisions.
- AFI- Fault Isolation Manual (T625-C-AFI-00-P)
- Illustrated Part Catalogue (T625-C-IPC-00-P)
- Air Vehicle Wiring Data (T625-C-AWD-00-P)
- Ground Support Equipment (T625-C-GSE-00-P)
- Storage Organizational Maintenance Manual (T625-C-STR-00-P)
- Transportation Manual (T625-C-TRP-00-P)

Weight and Balance Manual

Included in RFM, Section 6 (T625-RFM-00, Issue 1 or later approved revision)

Service Letters and Service Bulletins

Service Letters and Service Bulletins T625, as published by Turkish Aerospace.

Required Equipment

Refer to approved Rotorcraft Flight Manual (T625-RFM-00) and MMEL (T625-C-MMEL-00-P).

B.4 Operational Suitability Data (OSD)

Master Minimum Equipment List (MMEL)

Master Minimum Equipment List for T625 MMEL (Ref: T625-C-MMEL-00-P Master Minimum Equipment List (MMEL), Rev 01 or later approved revision)

Maintenance Crew Certifying Data (MCSD)

Maintenance Certifying Staff Data for T625, T625-A-MCSD-00-P MCSD T625 Maintenance Personnel Training Syllabus Rev 1 (or later approved revision)

Flight Crew Data (FCD)

See Note 3



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SECTION C: NOTES

1. Cabin interior and seating configurations must be approved, if differing from the Type Design Definition.
2. The “optional” installations to basic helicopter need to be approved independently.
3. Flight Crew Data shall be approved prior to entry in to service.



SECTION D: ADMINISTRATIVE SECTION

D.1. Acronyms and Abbreviations

C.G.	Centre of Gravity	PA	Pressure Altitude
CRI	Certification Review Item	PIM	Periodic Inspection Manual
CS	Certification Specifications	OEI	One Engine Inoperative
DP	Datum Plane	OSD	Operational Suitability Data
DGCA	Directorate General Civil Aviation	PWR	Power
FAA	Federal Aviation Administration	RFM	Rotorcraft Flight Manual
FCD	Flight Crew Data	TC	Type Certificate
HIRF	High Intensity Radiated Field	TCDS	Type Certificate Data Sheet
HMM	Rotorcraft Maintenance Manual	TUSAS	Türk Havacılık ve Uzay Sanayii A.Ş.
kg	Kilograms	VFR	Visual Flight Rules
KIAS	Knots Indicated Air Speed	V _{NE}	Never Exceed Speed
lb	Pounds	V _{NE PWR OFF}	Never Exceed Speed Power Off
let	Liter	MMEL	Master Minimum Equipment List
LHTEC	Light Helicopter Turbine Engine Company	MCSD	Maintenance Certifying Staff Data

D.2. Type Certificate Holder Record

Type Certificate Holder	Period
TUSAŞ-TÜRK HAVACILIK VE UZAY SANAYİİ A.Ş. Turkish Aerospace Fethiye Mah. Havacılık Bul. No:17 06980 Kahramankazan-ANKARA / TURKEY	Since 16.03.2026

D.3 Change Record

Revision	Revision Date	Change Definition
00	16.03.2026	Initial Issue
01	15.09.2026	Emission requirements, operating and service Instructions is updated.