सत्यमेव जयते

GOVERNMENT OF INDIA/भारत सरकार
DIRECTOR GENERAL OF CIVIL AVIATION/महानिदेशक नागर विमानन का कार्यालय
OPP. SAFDARJUNG AIRPORT/सफदरजंग एयरपोर्ट के सामने
NEW DELHI – 110003/नई दिल्ली - ११० ००३

TYPE CERTIFICATE

No. T04260000080/00

This certificate, issued to M/s **MULTIPLEX DRONE PRIVATE LIMITED** certifies that the Unmanned Aircraft System

"MD-10H++",

its technical specifications and operating limitations for which are contained in datasheet No, T04260000080/00 dated the 05/06/2026 is of proper design, material, specification, construction and performance for safe operation based on the recommendation of M/s **Bureau Veritas India Pvt. Ltd.** as required by the Certification Scheme for Unmanned Aircraft Systems notified by the Ministry of Civil Aviation vide S.O. 347(E) dated the 26th of January, 2022 .

This Type Certificate is issued under the provision of Rule 8 and Rule 9 (3) of the Drone Rules 2021.

This certificate shall remain valid until suspended or cancelled.

Date :05/06/2026

For Director General of Civil Aviation
Maneesh Kumar
Joint Director General

Signature Not Verified
Digitally Signed.
Name: Maneesh Kumar
Joint Director General
Date: 05-Jun-2026 17:14:24

Technical Specifications of M/s MULTIPLEX DRONE PRIVATE LIMITED UAS model "MD-10H++"

Manufacturer’s Name	M/s MULTIPLEX DRONE PRIVATE LIMITED
Address	BANGALORE, 1 ST MAIN ROAD MAHALAKSHMI LAYOUT , Bengaluru, Karnataka, India, 560086.
UAS Model Name.	MD-10H++
Description	MD-10H++ UAS is a medium class hexacopter rotorcraft RPAS having a tank of maximum filling capacity of 10L with Teejet Nozzle for Agrochemical Spraying purpose
UAS Details	
Category	Rotorcraft
Sub-Category	RPAS
Class	Medium
Maximum all-up-weight (including payload) in kg	29.94
Overall dimensions (l x b x h) in mm	2062.0X1868.0X590.0
Payload Details	
Details of each Compatible Payload (including Manufacturer Name, Payload Specifications with Model No., Intended Applications)	Configuration 1:- Sprayer with tank having maximum 10L Liquid Filling capacity with Teejet Nozzle
Variable Load/Consumables (Like fluid etc., if any)	10 Litres Liquid for spraying

Engine/Motor Details							
Engine Power Ratings	**No. of Engines**	**Total fuel capacity (kg)**	**Engine limits (maximum RPM)**	**Motor Power Ratings**	**No. of motors**	**Battery capacity (mAh)**	**Maximum battery temperature (Degree Celsius)**
-	-	-	-	RD IPU X6 Reflex Drive 150 KV BLDC Motor. Motor Power Rating: 1425 watt	6	27000.0	55.0

Signature Not Verified
Digitally Signed.
Name: Maneesh Kumar
Joint Director General
Date: 05-Jun-2026 17:14:24

Technical Specifications of M/s MULTIPLEX DRONE PRIVATE LIMITED UAS model "MD-10H++"

Propeller details						
Propellar Details	**Diameter (inch)**	**Pitch Range (inch)**	**Propellar Details (Max RPM)**	**No. Of Propellers**	**Type of Pitch**	**Range (inch)**
Reflex Drive RD IPU X6	24.0	8.0	4873.0	6	Fixed	-

Equipment Details	
GNSS	Applicable
Autonomous Flight Termination System	Applicable
Return Home (RH)	Applicable
Flashing anti-collision strobe light	NA
RFID Card	NA
GSM SIM Card	NA
Flight Control Module	Applicable
SSR transponder(Mode 'C')	NA
SSR transponder(Mode 'S')	NA
ADS-B OUT equipment	NA
Barometric equipment (with capability for remote sub-scale setting) (if applicable)	NA
Geo-fencing Capability	Applicable
Detect and Avoid Capability(if applicable)	Applicable
Remote Pilot Station	
Ground Control Station Model No.	AeroGCS Green Software
GCS App. Version	Version 1.39
C2 Link	
Equipment details	SIYI MK15
Frequency Band	2.412 GHz - 2.472 GHz
ETA issued by WPC Wing, DoT	ETA-SD-20210806179 Dated 20th September, 2021
Performance Details	
Maximum Endurance (hr/m)	14 min 21 Sec with full payload without dispensing, 26 min 15 Sec with empty payload tank
Maximum Range (in km)	1.0
Maximum Speed (in m/s)	10.0
Maximum Height attainable/ Maximum Ceiling Height (in ft)	164.0
Operating Altitude (in ft)	164.0
Operational Envelope	VLOS(Day)
Engine limits (Maximum RPM)	NA
Max. Battery Temperature (in deg C)	55.0
Propeller limits	4873.0

Signature Not Verified

Digitally Signed.
Name: Maneesh Kumar
Joint Director General
Date: 05-Jun-2026 17:14:24

Technical Specifications of M/s MULTIPLEX DRONE PRIVATE LIMITED UAS model "MD-10H++"

Documents/Manuals	
Manufacturer’s Operating Manual (as applicable)	User Manual MD-10H Agricultural spraying Drone Issue 01, Rev. 06 Dated 31-03-2026
Manufacturer’s Maintenance guidelines (as applicable)	User Level Maintenance Manual MD-10H Agricultural spraying Drone Issue 01, Rev. 03 Dated 19-01-2026
Maintenance Inspection Schedule/ Overhaul interval	User Level Maintenance Manual MD-10H Agricultural spraying Drone Issue 01, Rev. 03 Dated 19-01-2026
Maintenance Log Book	UAS Maintenance Logbook Issue 01, Rev. 01 Dated 27-06-2025
Flight Log Book	UAS Flight Logbook Issue 01, Rev. 0 Dated 21-05-2025
User Guide/ Self Explanatory Information Booklet for end users	User Manual MD-10H Agricultural spraying Drone Issue 01, Rev. 06 Dated 31-03-2026
Intended Applications	
Intended Applications	Agrochemical spraying for Agricultural purposes.

Signature Not Verified

Digitally Signed.
Name: Maneesh Kumar
Joint Director General
Date: 05-Jun-2026 17:14:24

Limitations & Conditions to M/s MULTIPLEX DRONE PRIVATE LIMITED for manufacturing of UAS model 'MD-10H++'

1. **M/s MULTIPLEX DRONE PRIVATE LIMITED** henceforth refered as manufacturer in this documents shall comply with the applicable Rules, Regulations & Requirements issued from time to time. The manufacturer shall comply with mandatory safety features (if any) as and when mandated by Ministry of Civil Aviation/DGCA.
2. Design documents and manuals submitted shall be frozen and controlled. Any changes effecting to the Type Certificate/Datasheet, the manufacturer shall approach through Authorised Testing Entity for up-dation of the Type Certificate/Data Sheet issued there under.
3. Manufacture shall be responsible for all UAS Model **"MD-10H++"** produced by them conforms to this type certificate & datasheet and shall issue a certificate of conformity for each UAS produced
4. Manufacturer shall ensure that their UAS is not tampered at the time of sale and also at the time of maintenance. Manufacturer shall monitor the same and notifed to DGCA as and when required.
5. Manufacturer shall maintain list of their vendors, bill of materials, inventory of UAS including buyer details with configurations sold to them etc. and access to the same shall be provided to DGCA during surveillance and as & when requested for. It shall be the responisibilty of the manufacturer to ensure that their UAS are sold to bonafide customers.
6. Manufacturer shall ensure that operations is restricted to Visual Line of Sight Day Operations only and within the operations/performance limitations specified in the frozen manuals.
7. Manufacturer shall affix fireproof plate for indicating UIN, Manufacturer's name, Model no., Date of manufacturing and serial no. in all the UAS manufactured before it is transferred to the buyer.
8. Manufacturer shall intimate DGCA about any violations, defects, faults, malfunctions, incidents and accidents involving the subject UAS model quarterly and as when sought for.
9. UAS Model **"MD-10H++"** can be used for intended applications only. Manufacturer shall ensure that the drone is flown away (30m) from uninvolved people and not flown over the crowd/ uninvolved people. The manufacturer shall be responsible for ensuring applicable conditions and educate end users accordingly.
10. Manufacturer shall be responsible for rights related to design and development of the UAS model **"MD-10H++"** and DGCA shall not be party to any dispute arising due to proprietary right issues.
11. Manufacturer shall abide by the IT Act 2000 and any subsequent revision.
12. In case of violation of any of the above mentioned conditions and/ or operating requirements & restrictions specified in this Type Certificate, penal action shall be initiated in line with the Drone Rules, 2021 and other Rules/ Regulations issued from time to time.

*Note: - The indigenous content in the UAS model **"MD-10H++"** is 75.65% as verified by M/s Bureau Veritas India Limited in accordance with the guidelines for assessment of indigenous content in Kisan Drones issued by QCI.*

Signature Not Verified
Digitally Signed.
Name: Maneesh Kumar
Joint Director General
Date: 05-Jun-2026 17:14:24