

Prion Mk3 Dragon D15, D25, D50 EFI petrol Comparison Table

Variant	D15	D25	D50
Product Image			
Manufactured, location	Wales, UK	Wales, UK	Wales, UK
Wingspan, m	3.8	4.65	5.6
Length, m	3	3	3
Naked Weight, kg	28	30	50
Max Payload incl fuel, kg	15	25	50
Max Take Off Weight, kg	45	55	100
Max Payload volume, litres	44	44	88
Onboard Power, W	500	500	1000
Onboard Voltages, V	5, 12 & 24	5, 12 & 24	5, 12 & 24

Variant	D15	D25	D50
Flight Endurance, hours	9h with 6kg tech payload	10h with 15kg tech payload	10h with 32Kg tech payload 15h with 27Kg tech payload 24h with 16Kg tech payload
Cruising speed, kph / knts	80 / 43	80 / 43	120 / 65
Max speed, kph / knts	120 / 65	120 / 65	140 / 75
Altitude Ceiling, ft	15,000	15,000	15,000
Operational range, km	720km with 6kg tech payload	800km with 15kg tech payload	1200km with 32Kg tech payload
Engine	4 stroke petrol or JP8	4 stroke petrol or JP8	Twin engine 4 stroke petrol or JP8
Engine Control	EFI	EFI	EFI
Fuel capacity, litres	12	15	24 or 30
Fuel consumption, l/h	1.1	1.2	2
Propeller	3 blade 28x14	3 blade 28x14	3 blade 28x14 – two props
Take Off / Landing	Launch Rail, static or on trailer Conventional wheeled undercarriage for runway use	Launch Rail, static or on trailer Conventional wheeled undercarriage for runway use	Launch Rail, static or on trailer Conventional wheeled undercarriage for runway use

Variant	D15	D25	D50
Operating Envelope	moderate + precipitation >5.0mm/h with a maximum consistent wind speed of 25knots	moderate + precipitation >5.0mm/h with a maximum consistent wind speed of 25knots	moderate + precipitation >5.0mm/h with a maximum consistent wind speed of 25knots
Command and Control Options	Satellite, RF, millspec MANET, 4G/5G & Wifi	Satellite, RF, millspec MANET, 4G/5G & Wifi	Satellite, RF, millspec MANET, 4G/5G & Wifi
Transit case dimensions, m	2 x 1 x 1	2 x 1 x 1	2 x 1 x 1
Operations Team, persons	2	2	2
Demonstrated Use Cases	ISTAR, Geophysical, LiDAR, Photogrammetry, Comms Rebroadcast, EW, Atmospheric monitoring, Delivery, OWE, MWE	ISTAR, Geophysical, LiDAR, Photogrammetry, Comms Rebroadcast, EW, Atmospheric monitoring, Delivery, OWE, MWE	ISTAR, Geophysical, LiDAR, Photogrammetry, Comms Rebroadcast, EW, Atmospheric monitoring, Delivery, OWE, MWE
Systems redundancy	C2 alternatives	C2 alternatives	Full powertrain, C2 and avionics systems