

NZAERO

CRESCO



CHAMPION OF PROFITABILITY

power, precision, growth

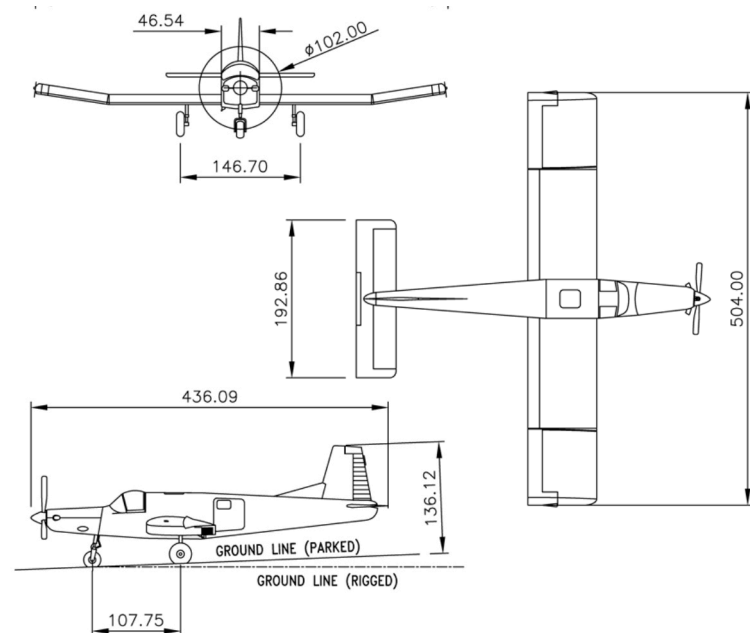
Technical Specifications

> AIRCRAFT TECHNICAL DESCRIPTION

Ailerons	Plain 25° up travel, 10° down travel	
Vertical Tail Surface	Fixed fin, horn balance rudder	
Vertical Tail Surface	± 30°	
Horizontal Tail Surface	Fixed plane with elevator	
Elevator Deflection	30 up 8.5 down	
Landing Gear Type	12.2FT	3.71M
Wheel and Tyre Size	8.50 x 6 nose 8.50 x 10 main	
Engine	Pratt & Whitney PT6-34 Ag	
Propeller	Hartzell 3 Bladed fully feathering and reversible	

> PERFORMANCE

Cargo Payload	3,136 LBS	1,435 KG
Large Door Size	39" x 37"	0.99 M x 0.94 M
Maximum Cabin Height	4.21 FT	1.28 M
Maximum Width	3.5 FT	1.06 M
Floor Length	10.25 FT	3.12 M
Total Compartment Length	11.83 FT	3.61 M
Total Compartment Volume	133 FT³	3.79 M³



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> WEIGHT & BALANCE

Basic Empty Weight (Standard IFR)	2,950 LB*	1338 KG*
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*The basic empty weight is defined as the complete aircraft, empty of usable fuel and without optional equipment, but including engine oil, unusable fuel and items of equipment that are an integral part of the basic aircraft.

> MAXIMUM OPERATING WEIGHT

Max. Ramp Weight		
Max. Take-Off Weight (Standard)	6,450 LB	2,925 KG
Max. Take-Off Weight (Agricultural)	8,250 LB	3,742 KG
Max. Landing Weight	6,450 LBS	2,925 KG
Max. Useful Load (Standard Category - 1 Crew, 2.5 hrs fuel)	2,450 LBS	1,111 KG
Max. Useful Load (Agricultural Category - 1 Crew, 1 hrs fuel)	1,750 LB	2,154 KG
Max. Structural Hopper Load	4,100 LB	1,859 KG

> Speeds

Never Exceed Speed (VNE)	176 Knots	325 km/h
Design Cruising Speed (VC)	140 Knots	259 km/h
Max. Manoeuvring Speed (VA)	126 Knots	233 km/h
Max. Flap retracted Speed	85-90 Knots	157- 166 km/h
Stall Speed (Idle Power) at Max. Weight	57 Knots	105 km/h

> Range

Range - Normal	420 Miles	675km
Endurance - Normal Configuration	2.7 HRS	
Average Fuel Consumption Per Hour	48 US/GAL	180 LTS

> PERFORMANCE

> TAKE-OFF & LANDING PERFORMANCE

Normal Conditions, 6,450LB		
Take-Off Distance to 15m (50FT) ISA	1,065FT	325M
Landing Distance From 15m (50FT)	1,398FT	426M

CLIMB (AT MTOW)

Max. Rate Of Climb At Sea Level	1,560 FT/MIN
Max. Rate Of Climb at 8,000 FT	1,060 FT/MIN
Max. Rate Of Climb at 14,000 FT	680 FT/MIN

> ALTITUDE LIMITS

Max. Operating Altitude	25,000 FT
Service Ceiling (At Max. Weight)	25,000 FT

> NORMAL LOAD FACTORS

Max. Positive G	+3.56	
Max. Negative G	-1.42	
Wing Loading	21.9 LB/FT²	104 KG/M²
Power Loading	0.11 SHP/LB	0.25 SHP/KG

> MAINTENANCE

Aircraft Inspection Cycle	150 hours inspections
Lifed Airframe Components	Wing spar 16,000 hours Wing strap 8,000 hours