

Perfect COMBination

The release of the **COMBO** is the fruition of 15 years of experience which DTA has in the design and construction of all-terrain trikes.

You will find in the COMBO all the comfort and technical excellence, which is the "marque" of DTA Trikes.

❖ Comfort :

Two new even more comfortable seats

- Adjustable Pilot's seat (three positions) and front wheel assembly (2 positions) for pilots of all sizes

- Adjustable multi-position foot pegs for the passenger

Boarding has been made even easier and the ergonomics have been improved

❖ Reliable and Robust

Don't be fooled by its appearance! The rear suspension is constructed of Zicral (7075) and the airframe of aeronautical steel 25CD4S. Thanks to this innovative approach the airframe is amazingly strong yet incredibly light.

❖ Simplicity: a design - truly refined

Thanks to CAD (Computer Aided Design) it has been possible to optimize each

part, each bracket and reinforcing gusset and to even remove unnecessary joints. Certain gussets were able to be incorporated into the profile to preserve its simple yet fluid lines.

en N.mm ²	Tensile strength	Breaking point
Dural 6061T6	270	310
Zicral (7075)	490	560
Stainless Steel(304)	290	630
25CD4S	520	780

DTA offers you a trike with multiple options so that you can personalize your COMBO to your taste. Buy the base version at an exceptionally attractive price, and you can later add fairing to your COMBO or even a 4-stroke engine.

The COMBO is available with any DTA wing and with your choice of engine. These include the ROTAX 503, 582, 912 or 912 ULFR or the HIRTH 3503E.

Our COMBination of new ideas...

COMBO

Technical specifications ...

Engines Rotax	503 C	582	912/S
Engine – rated power	50 cv	64 cv	80/100 cv
Gearbox Ratio	C 3,47	C 3,47	1/2.2.43
Propeller DUC	3 blades.	3 blades	3 blades
Exhaust Silencer	yes	yes	
Fuel Capacity	2 X 25 L	2 X 25 L	2x25 L
Digital Engine Instrumentation:			
- Tachometer & Engine Hour	yes	yes	yes
- Water Temperature Gauge	-	yes	yes
Suspension: Zicral strut	yes	yes	yes
Train : 3 tyres 15x600x6" 6 ply	yes	yes	yes
	1,66 m	1,66 m	1,66 m
Trike wheel-base	1,72/1,78 m	1,72/1,78 m	1,72/1,78 m
Overall trike width	1,80 m	1,80 m	1,80 m
Height with Wing D450 & D15/430	3,50/3,70 m	3,50/3,70 m	3,50/3,70 m
Overall trike length	2,60 m	2,60 m	2,53 m
Empty Weight without wing	112 kg	122 kg	147/150 kg

Tests supervised by Bureau Veritas at an ultimate load +4,5g
6g & 472,5 kg



DTA sarl Aérodrome de Montélimar Ancône F-26200 MONTELMAR
Tél : 04 75 01 20 83 Fax : 04 75 51 36 72 www.dta.fr

... The **COMBO** ... a surprise, a delight!

COMBO

std : standard / O : optional equipment / - : not available

		Rotax				
	motorized with engine	503C	582	912	912S	
Airframe	Airframe with rectangular profiles (powder coated white)	std	std	std	std	
	Large all-moving foot pedals	std	std	std	std	
	Front wheel with suspension, brake and polyester mudguard	std	std	std	std	
	Cantilever rear suspension constructed of Zircal 7075 (anodized)	std	std	std	std	
	2-position adjustable front fork	std	std	std	std	
	SECURITY					
	Airframe and rigid passenger support frame constructed with 4130 steel - TIG welded	std	std	std	std	
	Engine mount and rear axles - 4130 aircraft grade steel	std	std	std	std	
	Vertical mast (stainless steel) with cable of security	std	std	std	std	
	Front and rear bucket seats, carbon composite	std	std	std	std	
	Parking brake on front wheel	std	std	std	std	
	Foot and hand throttles (hand throttle protected by pilot seat)	std	std	std	std	
	Bi-pole switch ignition	std	std	with key	with key	
	COMFORT					
	Tyres 15 x 600 x 6"	std	std	std	std	
3-position adjustable front seat	std	std	std	std		
Forward-tilting seats for better passenger access and refueling	std	std	std	std		
Ergonomic seats with removable padded seat covers, blue or black colors	std	std	std	std		
Easy raising of the wing due to specially placed pivot point and mast geometry	std	std	std	std		
Padded passenger headrest, blue or black	std	std	std	std		
Multi-positions adjustable rear passenger footrests	std	std	std	std		
Document pouch in rear passenger seat	std	std	std	std		
Rotax toolkit, spare fuses, butterfly nuts, hyper syphon fueling	std	std	std	std		
Engine & accessories	Rotax engine with dual ignition	2 strokes	2 strokes	4 strokes	4 strokes	
	Reduction gearbox	C 3,47	C 3,47	1/2,27	1/2,43	
	Exhaust system with stainless steel springs (Stainless steel exhaust system for 912 & 912S)	std	std	stainless steel		
	Exhaust silencer	std	std	-	-	
	Slipper clutch	-	-	O	std	
	Duc F300 3-blade composite propeller	std	std	std	std	
	Electric starter with 12V 19Ah battery	O	O	std	std	
	Engine cap	-	-	std	std	
	Air cooled	std	std	std	std	
	Water cooled	-	std	std	std	
	Oil cooled	-	-	std	std	
Water radiator with expansion tank and overflow bottle	-	std	std	std		
Auxilliary electric fuel pump	-	-	std	std		
ROTO-molded polyethylene fuel tank 2 x 25 L	50 L	50 L	50 L	50 L		
Console	Rubber-mounted polyester instrument console	std	std	std	std	
	Ignition switches and engine cutoff	2 switches	2 switches	key	key	
	Numerical engine hourmeter and tachometer	std	std	std	std	
	Water temperature gauge (analogical)	-	std	std	std	
	Pre-installed electrical connections for battery, starter, EGT's, CHT's and strobe	std	std	std	std	
Rectifier/Regulator with 2200mF capacitor (or 22000mF capacitor for 912) and fuse protection	std	std	std	std		
Optional equipment	engine : Dual exhaust gas temperature gauge (EGT) - diam 52mm	O	O	-	-	
	Cylinder head temperature gauge (CHT) with probe - diam 52mm	O	O	-	-	
	Fly Dat	O	O	O	O	
	Arplast propeller	opt 4 blades	opt 4 blades	opt 3 blades	opt 3 blades	
	Water system carb heat	-	-	O	O	
	Three-way thermostat (for water cooling system)	-	-	O	std	
	Oil thermostat	-	-	O	O	
	Intake silencer	O	O	-	-	
	Oil pump	-	O	-	-	
	Cantilever vertical mast (with wing incidence angle limiter) and no front stru	O	O	O	O	
	Special rear or front seat cover chest "FOURRE TOUT"	O	O	O	O	
	Braked rear wheels 15X600X6"	O	O	O	O	
	3-point recoil shoulder harnesses passenger or / and pilot	O	O	O	O	
	Special console XXL for VHF and transponder	O	O	O	O	
	Numerical or analogical flight instrumentation MGL Avionics : ASI altimeter, VSI...	O	O	O	O	
	Communication : helmets and headsets Lynx, VHF, external dipola antenna...	O	O	O	O	
	kit battery 12V 7Ah for strobe, landing light...	O	O	-	-	
	Removable side bags Voyageur (2 x 25 liters)	O	O	O	O	
	Undercarriage hangar dust cover	O	O	O	O	
	Muffs for control bar	O	O	O	O	
	GRS 3/450 ballistic parachute (not available air freight)	O	O	O	O	
	Dual instructor controls (nosewheel steering, wing training bars, rear throttle and engine shutoff)	O	O	O	O	
Towing system for banner / hang glider	O	O	O	O		

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Aérodrôme de Montélimar Ancône F-26200 MONTEILIMAR - Tél. +33 04 75 01 20 83 - Fax +33 04 75 51 36 72 - mail : dta.ulm@wanadoo.fr - site : www.dta.fr

choose your DTA's wing

Dynamic 450

ENGINE	Rotax 503 C	Rotax 582 C	Rotax 912S	Hirth 3701ES
Empty weight : trike + wing	171 kg	181 kg	209 kg	203 kg
Pay load	279 kg	269 kg	241 kg	247 kg
Pay load with chute	285,5 kg	275,5 kg	247,5 kg	253,5 kg
Maximum speed (level flight)*	115 km/h	125 km/h	130 km/h	130 km/h
Cruising speed	80 km/h	90 km/h	100 km/h	100 km/h
Minimum speed *	52 km/h	53 km/h	55 km/h	55 km/h
Ground roll *	80 m	75 m	70 m	70 m
Climb rate *	3,5 m/s	5 m/s	6,5 m/s	6,5 m/s
Landing distance (dry) *	70 m	70 m	70 m	70 m
Minimum sink rate *	2,3 m/s	2,6 m/s	2,8 m/s	2,8 m/s
Fuel consumption @ *	13 L à 80 km/h	12,5 L à 85 km/h	10 L à 90 km/h	11 L à 90 km/h
Finesse à 70 km/h	8,4	7.5	7	7

Dynamic15/430

ENGINE	Rotax 503 C	Rotax 582 C	Rotax 912S	Hirth 3701ES
Empty weight : trike + wing	166 kg	176 kg	204 kg	198 kg
Pay load	264 kg	254 kg	226 kg	232 kg
Maximum speed (level flight)*	120 km/h	130 km/h	143 km/h	143 km/h
Cruising speed	90 km/h	90 km/h	110 km/h	110 km/h
Minimum speed *	53 km/h	54 km/h	56 km/h	56 km/h
Ground roll *	80 m	75 m	65 m	65 m
Climb rate *	3,5 m/s	5 m/s	6,5 m/s	6,5 m/s
Landing distance (dry) *	70 m	70 m	75 m	75 m
Minimum sink rate *	2,6 m/s	2,9 m/s	3,2 m/s	3,2 m/s
Fuel consumption @ *	13,5 L à 80 km/h	12,5 L à 85 km/h	10 L à 90 km/h	11 L à 90 km/h
Finesse à 70 km/h	7,5	6.7	6	6

Dynamic 16/430

ENGINE	Rotax 503 B	Rotax 503 C	Rotax 582 C
Empty weight : trike + wing	159 kg	166 kg	176 kg
Pay load	271 kg	264 kg	254 kg
Maximum speed (level flight)*	113 km/h	115 km/h	120 km/h
Cruising speed	75 km/h	80 km/h	90 km/h
Minimum speed *	52 km/h	52 km/h	53 km/h
Ground roll *	85 m	80 m	75 m
Climb rate *	3 m/s	3,5 m/s	5 m/s
Landing distance (dry) *	70 m	70 m	70 m
Minimum sink rate *	2,3 m/s	2,3 m/s	2,6 m/s
Fuel consumption @ *	12,5 L à 75 km/h	13 L à 80 km/h	12,5 L à 85 km/h
Finesse à 70 km/h	8.4	8,4	7.5