

2019 RANGE	COMBAT VERTICAL MY2019		COMBAT TITANIUM R MY2019	
ENGINE	2 stroke engine			
ENGINE SIZE	247cc EFI	300cc EFI	247cc EFI	300cc EFI
POWER	25hp / 9200rpm	31hp / 9200rpm	25hp / 9200rpm	31hp / 9200rpm
TORQUE	4.0 kg.m / 4500rpm	4.9 kg.m / 4500 rpm	4.0 kg.m / 4500rpm	4.9 kg.m / 4500 rpm
COMPRESSION	8,8:1	8,7:1	8,8:1	8,7:1
STROKE	72.5x60mm	79x60mm	72.5x60mm	79x60mm
CRANKCASE	Aluminium			
GEARBOX	6 speed gearbox, 4 gears trial developed			
TRANSMISSION	9z/48			
CLUTCH	Multi-disc oil wet			
EXHAUST MUFFLER	Symmetric and centered silencer			
MANIFOLD	Stainless steel		Titanium	
RADIATOR	Vertigo special design, adapted to frame shape			
FUEL INJECTION	Electronic Fuel Injection			
ENGINE SENSORS	Integrated injection driver			
	Protocol CAN 2.0 B			
	TPS (Throttle position sensor)			
WATER PUMP	ECU controlled electronic water pump			
FRAME	25CRMO4 steel + aluminium 6082		Titanium GR5 + aluminium 6082	
SWINGARM	Black Aluminium cast		White Aluminium cast	
FRONT SUSPENSION	Tech Alu black 170mm stroke		Tech Racing Gold	
REAR SUSPENSION	Monoshock / swingarm, Vertigo special swingarm combined with multiregulation REIGER monoshock with rebound adjust 170mm stroke		Monoshock / swingarm, Vertigo special swingarm combined with multiregulation REIGER monoshock with high/low speed compression and rebound adjustment 170mm stroke	
AIRBOX	High capacity 1.1l airbox			
PETROL TANK	High capacity 2.3l, low and centered CG			
HANDLEBAR	Vertigo		Renthal Fatbar	
FRONT BRAKE	Hydraulic Braktec system with 185mm disc		Braktec CNC mechanized monoblock caliper with 185mm disc	
FRONT CALIPER	4 pistons			
FRONT RIM	Morad 1.60 x 21"			
REAR BRAKE	Hydraulic Braktec system with 150mm disc			
REAR CALIPER	2 pistons			
REAR RIM	Morad 2.15x18"		Lightweight Morad 2.15x18"	
TYRES	Dunlop D803GP			
WEIGHT	69 kg		65 kg	
TOTAL LENGHT	2010mm			
DIST. BETWEEN AXLES	1310mm			
SEAT HEIGHT	680mm			