

# TECHNICAL SPECIFICATIONS

	<b>X10</b>	<b>BEVERLY</b>	<b>XEVO</b>
	<b>350 ie</b>	<b>Sport Touring 350 ie</b>	<b>125</b>
<i>Engine</i>	4-stroke 4 valve single cylinder engine	4-stroke 4 valve single cylinder engine	4-stroke 4 valve single cylinder engine
<i>Engine capacity</i>	330 cc	330 cc	124 cc
<i>Bore x Stroke</i>	78 mm x 69 mm	78 mm x 69 mm	57 mm x 48,6 mm
<i>Power</i>	24.5 kW -33.3 HP- at 8,250 rpm	24.5 kW -33.3 HP- at 8,250 rpm	11 kW -15 HP- at 10,000 rpm
<i>Torque</i>	32.3 Nm at 6,250 rpm	32.3 Nm at 6,250 rpm	12 Nm at 8,000 rpm
<i>Fuel system</i>	Electronic injection	Electronic injection	Carburettor
<i>Cooling</i>	Liquid	Liquid	Liquid
<i>Lubrication</i>	Dry sump	Dry sump	Wet sump
<i>Starter</i>	Electric with oil-bath free wheel	Electric with oil-bath free wheel	Electric
<i>Gearbox</i>	CVT automatic variator	CVT automatic variator	CVT with torque server
<i>Clutch</i>	Automatic multi disc wet centrifugal	Automatic multi disc wet centrifugal	Automatic centrifugal dry clutch
<i>Chassis</i>	Double-cradle in high strength tubular steel	Double cradle in high strength tubular steel	Double cradle in high strength tubular steel
<i>Front suspension</i>	Hydraulic telescopic fork with Ø 35 mm stanchions	35 mm hydraulic telescopic fork	Hydraulic telescopic fork
<i>Rear suspension</i>	Double dual action hydraulic shock absorber with adjustable preloading to four positions	Double dual action hydraulic shock absorber with four-position spring preload adjustment	Double hydraulic shock absorber with four-position spring preload adjustment
<i>Front brake</i>	Ø 280 mm diam. dual disc with dual piston floating calliper, combined braking system	Ø 300 mm disc with three piston floating calliper, with combined ABS and ASR traction control	Hydraulically operated Ø 260 mm disc
<i>Rear brake</i>	Ø 240 mm disc with dual piston floating calliper	Ø 240 mm disc with dual piston floating calliper	Hydraulically operated Ø 240 mm disc
<i>ABS / ASR System</i>	As standard	-	-
<i>Front tyre</i>	Tubeless 120/70 - 15"	Tubeless 110/70 - 16"	Tubeless 120/70 - 14"
<i>Rear tyre</i>	Tubeless 150/70 - 13"	Tubeless 150/70 - 14"	Tubeless 140/60 - 13"
<i>Length/Width/Wheelbase</i>	2,265 mm / 800 mm / 1,625 mm	2,215 mm / 760 mm / 1,560 mm	2,070 mm / 760 mm / 1,490 mm
<i>Saddle height</i>	760 mm	795 mm	790 mm
<i>Fuel tank capacity</i>	15.5 l (2 l reserve)	13 litres	12.5 litres
<i>Emissions compliance</i>	EURO 3	EURO 3	EURO 3

	<b>MP3 SPORT</b>	<b>MP3 BUSINESS</b>	<b>MP3 YOURBAN / SPORT</b>
	<b>LT 500 ie</b>	<b>LT 300 ie</b>	<b>LT 300 ie</b>
<i>Engine</i>	4-stroke 4 valve single cylinder engine	4-stroke 4 valve single cylinder engine	4-stroke 4 valve single cylinder engine
<i>Engine capacity</i>	493 cc	278 cc	278 cc
<i>Bore x Stroke</i>	94 x 71 mm	75 mm x 63 mm	75 mm x 63 mm
<i>Power</i>	29.5 kW -40.1 HP- at 7,250 rpm	16.5 kW -22.5 HP- at 7,500 rpm	16.7 -22.7 HP at 7,750 rpm
<i>Torque</i>	46.5 Nm at 5,250 rpm	23.2 Nm at 6,500 rpm	24 Nm at 5,750 rpm
<i>Fuel system</i>	Electronic injection	Electronic injection	Electronic injection
<i>Cooling</i>	Liquid	Liquid	Liquid
<i>Lubrication</i>	Wet sump	Wet sump	Wet sump
<i>Starter</i>	Electric	Electric	Electric
<i>Gearbox</i>	CVT with torque server	CVT with torque server	CVT with torque server
<i>Clutch</i>	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
<i>Chassis</i>	Double cradle in high strength tubular steel	Double cradle in high strength tubular steel	Double cradle in high strength tubular steel
<i>Front suspension</i>	Articulated quadrilateral	Articulated quadrilateral	Articulated quadrilateral
<i>Rear suspension</i>	Double dual-action hydraulic shock absorber	Double dual-action hydraulic shock absorber	Double dual-action hydraulic shock absorber
<i>Front brake</i>	Hydraulically operated Ø 240 mm double disc	Hydraulically operated Ø 240 mm double disc	Hydraulically operated Ø 240 mm double disc
<i>Rear brake</i>	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 240 mm disc
<i>Front tyre</i>	Tubeless 120/70 - 12"	Tubeless 120/70 - 12"	Tubeless 110/70 - 13"
<i>Rear tyre</i>	Tubeless 140/70 - 14"	Tubeless 140/60 - 14"	Tubeless 140/60 - 14"
<i>Length/Width/Wheelbase</i>	2,180 mm / 760 mm / 1,550 mm	2,130 mm / 745 mm / 1,490 mm	2,040 mm / 760 mm / 1,440 mm
<i>Saddle height</i>	785 mm	780 mm	780 mm
<i>Fuel tank capacity</i>	12 litres	12 litres	11 litres
<i>Emissions compliance</i>	Euro 2	EURO 2	EURO 2

	LIBERTY		NEW FLY
	125	50 2T	125 3V
<i>Engine</i>	Leader, single cylinder, 4-stroke, 4 valve	Hi-Per 2, 2-stroke	4-stroke 3 valve single cylinder engine
<i>Engine capacity</i>	124 cc	49.4 cc	124 cc
<i>Bore x Stroke</i>	57 mm x 48,6 mm	40 mm x 39,3 mm	52 mm x 58,6 mm
<i>Power</i>	7.7 kW -10.5 HP- at 8,250 rpm	3.4 kW -4.6 HP- at 7,250 rpm	8.9 kW -12.1 HP- at 8,250 rpm
<i>Torque</i>	9.6 Nm at 7,250 rpm	4.7 Nm at 6,750 rpm	10.7 Nm at 6,750 rpm
<i>Fuel system</i>	Carburettor	Carburettor	Injection
<i>Cooling</i>	Forced air	Forced air	Forced air
<i>Lubrication</i>	Wet sump	Automatic mixer controlled according to throttle opening and engine speed	Wet sump
<i>Starter</i>	Electric	Electric and kick starter	Electric
<i>Gearbox</i>	CVT with torque server	CVT with torque server	CVT with torque server
<i>Clutch</i>	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
<i>Chassis</i>	High strength tubular steel single cradle frame	High strength tubular steel single cradle frame	Single cradle structure in tubular steel with pressed reinforcements
<i>Front suspension</i>	Hydraulic telescopic fork	Hydraulic telescopic fork	Hydraulic telescopic fork
<i>Rear suspension</i>	Hydraulic shock absorber with four-position spring preload adjustment	Hydraulic shock absorber	Hydraulic monoshock absorber
<i>Front brake</i>	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 220 mm disc
<i>Rear brake</i>	Ø 140 mm drum	Ø 140 mm drum	Hydraulically operated Ø 220 mm disc
<i>Front tyre</i>	Tubeless 90/80 - 16"	Tubeless 90/80 - 16"	Tubeless 120/70 - 12"
<i>Rear tyre</i>	Tubeless 110/80 - 14"	Tubeless 110/80 - 14"	Tubeless 120/70 - 12"
<i>Length/Width/Wheelbase</i>	1,935 mm / 760 mm / 1,325 mm	1,935 mm / 760 mm / 1,320 mm	1,850 mm / 720mm / 1,325 mm
<i>Saddle height</i>	795 mm	785 mm	760 mm
<i>Fuel tank capacity</i>	7.5 litres	6 litres	7 Litres (including 1.5 litre reserve)
<i>Emissions compliance</i>	EURO 3	EURO 2	EURO 3

	NEW FLY	ZIP	TYPHOON
	50 4T	50 2T	125 (50 2T)*
<i>Engine</i>	Hi-Per 4, 4-stroke 4 valve single cylinder	Hi-Per 2, 2-stroke	4-stroke 2 valve single cylinder (Hi-Per 2, 2-stroke)
<i>Engine capacity</i>	49.9 cc	49.4 cc	124 cc (49.4 cc)
<i>Bore x Stroke</i>	39 mm x 41,8 mm	40 mm x 39.3 mm	57 mm x 48.6 mm (40 mm x 39.3 mm)
<i>Power</i>	3.2 kW -4.3 HP- at 8,250 rpm	3.3 kW -4.5 HP- at 6,700 rpm	6.8 kW -9.3 HP- at 8,500 rpm (3 kW -4.1 HP- at 6,500 rpm)
<i>Torque</i>	3.8 Nm at 7,750 rpm	4.3 Nm at 6,500 rpm	8.2 Nm at 7,500 rpm (4.6 Nm at 6,000 rpm)
<i>Fuel system</i>	Carburettor	Carburettor	Carburettor
<i>Cooling</i>	Forced air	Forced air	Forced air
<i>Lubrication</i>	Wet sump	Automatic mixer controlled according to throttle opening and engine speed	Wet sump (automatic mixer controlled according to throttle opening and engine speed)
<i>Starter</i>	Electric and kick starter	Electric and kick starter	Electric (and kick starter)
<i>Gearbox</i>	CVT with torque server	CVT with torque server	CVT with torque server
<i>Clutch</i>	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
<i>Chassis</i>	Single cradle structure in tubular steel with pressed reinforcements	High strength tubular steel single cradle frame	Single cradle structure in tubular steel with pressed reinforcements
<i>Front suspension</i>	Hydraulic telescopic fork	Hydraulic telescopic fork	Hydraulic telescopic fork
<i>Rear suspension</i>	Hydraulic monoshock absorber	Hydraulic shock absorber	Hydraulic shock absorber with four-position spring preload adjustment (hydraulic shock absorber)
<i>Front brake</i>	Hydraulically operated Ø 220 mm disc	Hydraulically operated Ø 175 mm disc	Hydraulically operated Ø 220 mm disc
<i>Rear brake</i>	Ø 140 mm drum	Ø 110 mm drum	Ø 140 mm drum
<i>Front tyre</i>	Tubeless 120/70 - 12"	Tubeless 100/80 - 10"	Tubeless 120/80 - 12"
<i>Rear tyre</i>	Tubeless 120/70 - 12"	Tubeless 120/70 - 10"	Tubeless 130/80 - 12"
<i>Length/Width/Wheelbase</i>	1,870 mm / 705 mm / 1,345 mm	1,700 mm / 680 mm / 1,200 mm	1,940 mm / 720 mm / 1,350 mm
<i>Saddle height</i>	760 mm	Adjustable: 750 mm - 765 mm - 780 mm	765 mm
<i>Fuel tank capacity</i>	7 litres (including 1.5 litre reserve)	7.3 litres	7 litres
<i>Emissions compliance</i>	EURO 2	EURO 2	EURO 3 (EURO 2)

\*(data for these versions in brackets when different)