

RANGE 2013

SOUND CITY



PIAGGIO®

CITY SOUND

NEW PIAGGIO RANGE, CITY SOUND

The city moves to the beat of Piaggio: unmistakeable style, attention to detail, leading technological engines in terms of low emissions, wide range of accessories for unique riding pleasure.

Piaggio confirms its ability to reinvent itself in harmony with its cosmopolitan personality and attentive to the evolving needs of its users; engine research goes hand in hand with new design solutions and cutting-edge eco-sustainable solutions.

A true flagship of the range, X10 is the evolution of the GT with a structure cut from an automobile patter which alternates concavity and convexity, culminating in the short, coupé-inspired tail. Conceived for par excellence admirers, X10 has plenty of added features such as full body paintwork enriched by chromium and satin finishing, the most advanced lighting system available in the two-wheeler segment, the brand new 350 engine, top level Piaggio technology and ergonomics implemented to the advantage of travelling comfort.

Dedicated to those looking for a versatile scooter, New Fly is the symbol of simple, fluid and quick urban mobility, available in two ecological engine versions. The compact dimensions and balanced volumes make it extremely easy to handle; it also has a low and comfortable saddle for an easy seating position and a spacious footboard which ensures significant riding comfort.

A summary of Piaggio innovations in environmental terms as well, MP3 Hybrid is the first and only hybrid, plug-in scooter in the world, equipped with a long life lithium ion battery which can be recharged directly on the domestic power grid. This vehicle is a must for anyone making a choice based on ecology: the exclusive Piaggio hybrid engine combines the power of a combustion engine with the environmentally friendliness of a quick electric motor.

X10 500 ie·350 ie·125 ie

A UNIQUE LINE

Modern, sleek and attractive lines, designed in a wind tunnel, a wealth of equipment and top notch performance. X10 is the latest addition to the prestigious Piaggio GT range: an authentic flagship on two wheels, dedicated to those who want maximum comfort in a bike that is 100% Italian elegance. With the new Piaggio X10 riding becomes a daily luxury.

- Exclusive finishing and full-body paintwork
- LED light assembly with D.R.L. (Daytime Running Light)
- Automotive style instrument panel and backlit controls on the handlebar
- Also available in the Executive version with ABS/ASR and multimedia support
- Complete range of engines: 125, 350 and, only in the Executive version, 500 cc
- Reduced seating difference between rider and passenger
- Rider-passenger footrest more than 1 metre long
- Large helmet compartment and spacious leg shield back plate compartments
- 280 mm dual front brake with standard combined braking
- Rear suspension electrically adjustable (on 500 version)
- USB and 12V socket

ACCESSORIES

- Large top box kit, colour-coded with vehicle (holds 2 flip up helmets)
- Medium top box kit, colour-coded with vehicle (holds 1 flip up helmet and 1 jet helmet)
- Sport top fairing
- Scooter cover
- Leg cover
- Electronic alarm system
- Multimedia support
- Gel comfort saddle
- Passenger backrest
- Tunnel bag
- Top box inner bag
- Piaggio Jet helmet in carbon fibre
- PMP (Piaggio Multimedia Platform)



NERO
COSMO



GRIGIO
ORIONE



BLU
MIDNIGHT



MARRONE
MERCURIO



BIANCO
PERLA
(Executive
only)



Executive Equipment
- ABS / ASR -
- Multimedia support -



MP3 BUSINESS LT 500 ie ^{NEW} 300 ie

DEDICATED TO THOSE WHO WANT TO MOVE AROUND IN PROFESSIONAL AND ELEGANT STYLE

MP3 is the world's only scooter with the patented Piaggio quadrilateral front suspension layout. Its stability is incomparable in any riding conditions. MP3 combines maximum fun with a superior level of active safety. Now it has a new look and injection on every engine version. MP3 provides unique riding pleasure and comfort features of a true GT scooter. MP3 Business was conceived to meet the needs of those looking for safety with a professional and elegant style.

- Dual ignition MASTER 500 engine, 4-stroke, 4 valves, electronic injection
- 4-stroke, 4 valve QUASAR 300 engine with electronic injection
- Practical glove compartment pocket with three compartments under the windshield
- Windshield adjustable to 3 positions
- Double access to load compartment to store two flip up helmets
- 3 disc brakes with combined braking as standard equipment
- Electronic front suspension lock system park vehicle without using the stand

ACCESSORIES

- "Style" windshield
- "Comfort" windshield
- Large top box kit with tilting bracket (can hold two flip up helmets)
- Medium top box kit with tilting bracket (can hold one flip up helmet and one jet helmet)
- Leg cover
- Scooter cover
- Electronic alarm
- Specific mounting kit for TomTom Rider GPS
- Racing footrest kit
- Standard height gel comfort saddle
- Raised height gel comfort saddle
- Antitheft steering lock
- Copter helmet colour-coded with vehicle
- Piaggio Jet helmet in carbon fibre



NERO
COSMO



GRIGIO
PLUTONE



MARRONE
MERCURIO



BIANCO
PERLA

MP3 SPORT LT 500 ie ^{NEW} 300 ie

MAXIMUM SAFETY AND PERFORMANCE WITH A SPORTY LOOK

MP3 Sport includes all the technical content of the Business version, standing out for its sport style details which emphasise its dynamic character.

- Gloss black finishing
- Black rims
- Aluminium footrests
- Silver stitching on the saddle
- Sleek and aerodynamic rear view mirror
- Exclusive matt colour-schemes

ACCESSORIES

- "Style" windshield
- "Comfort" windshield
- Large top box kit with tilting bracket (can hold two flip up helmets)
- Medium top box kit with tilting bracket (can hold one flip up helmet and one jet helmet)
- Standard height gel comfort saddle
- Raised height gel comfort saddle
- Leg cover
- Scooter cover
- Electronic alarm
- Specific mounting kit for TomTom Rider GPS
- Antitheft steering lock
- Copter helmet colour-coded with vehicle
- Piaggio Jet helmet in carbon fibre



GRIGIO
TITANIO
OPACO



NERO
METEORA
OPACO

MP3 Hybrid 300 ie

THE FIRST AND ONLY HYBRID SCOOTER ON THE MARKET. A TRUE RECORD BREAKER.

Its exclusive hybrid engine system, fine tuned by the Piaggio Group, combines the power of its combustion engine with respect for the environment and the quick response of an electric motor.

- The world's first and only scooter using hybrid technology, long-range lithium ion batteries and offering plug-in capability, charging directly from a domestic mains power socket
- Up to 60 km with one litre of fuel*
- Reduced emissions: only 40 g of CO₂ per km*
- Up to 20 km range in full electric mode to circulate freely in areas restricted to internal combustion engines
- Ride by Wire electronic accelerator

ACCESSORIES

- "Style" windshield
- "Comfort" windshield
- Large top box kit with tilting bracket (capable of carrying two flip up helmets)
- Standard height gel comfort saddle
- Raised height gel comfort saddle
- Leg cover
- Scooter cover
- Electronic alarm
- Dedicated mounting kit for TomTom Rider navigator
- Racing footrest kit
- Dedicated helmet
- Antitheft steering lock

**use cycle 2/3 Hybrid Power, 1/3 electric*



BIANCO
PERLA

HYBRID

PIAGGIO *MP3 Hybrid*

MP3 YOURBAN 300 ie

MP3 YOURBAN LT 300 ie

THE MP3 IS NOW FOR EVERYONE!

MP3 Yourban is the compact three-wheeler with slender lines, agile and easy to handle, ideal for moving through traffic easily and in complete safety. Available with a 300 cc electronic injection engine, MP3 Yourban stands out for equipment and finishing at the top of its category.

- 300 4-stroke, 4 valve QUASAR engine with electronic injection
- Chassis designed to enhance its handling and agility features
- 13" front wheels
- 3 disc brakes for a safe and powerful braking (combined braking in the LT version)
- Quadrilateral front suspension layout with electronic roll blocking system
- Helmet compartment for two jet helmets with visors
- Mudguards colour-coded with the vehicle body
- Instrument panel complete with refined light blue illumination

ACCESSORIES

- Medium windshield
- High windshield
- Transparent hand guards
- Quick release rear top box kit colour-coded with vehicle
- Line of dedicated helmets compatible with Bluetooth system
- E-Power electronic alarm
- Leg cover, practical and quick to put on
- Scooter cover
- Antitheft steering lock
- Copter helmet colour-coded with vehicle
- Tunnel bag



NERO
COSMO



GRIGIO
ORIONE



ROSSO
IBIS



BIANCO
PERLA



MP3 YOURBAN SPORT 300 ie

MP3 YOURBAN SPORT LT 300 ie

THE COMPACT SPORT SCOOTER

MP3 Yourban Sport combines the safety features, agility and handling of the MP3 family with a decisive and attractive look, enhanced by the exclusive colour-schemes in contrast with its black finishing.

- Black finishing
- Black rims
- Red stitching on the saddle
- Dedicated sport colour-schemes

ACCESSORIES

- Medium windshield
- High windshield
- Transparent hand guards
- Quick release rear top box kit colour-coded with vehicle
- Line of dedicated helmets compatible with Bluetooth system
- E-Power electronic alarm
- Leg cover, practical and quick to put on
- Outdoor scooter cover
- Antitheft steering lock
- Copter helmet colour-coded with vehicle



GRIGIO
TITANIO
OPACO



BIANCO
LUNA

XEVO 125*

BUSINESS CLASS

- LEADER 125 engine*
- Double access to cargo compartment to store 2 flip up helmets or objects up to 80 cm long
- Maximum comfort: broad saddle, ergonomic handle and passenger backrest
- Analogue and digital instruments with onboard computer and rpm indicator
- Hazard control on handlebar

ACCESSORIES

- Extra large windshield with hand guards
- Top box kit with tilting luggage carrier
- Leg cover
- Scooter cover
- Electronic alarm
- Tunnel bag

* not available on the Italian market



SPECIAL EDITION SPORT



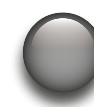
NERO
METEORA
OPACO



BIANCO
LUNA



NERO
COSMO



GRIGIO
ORIONE



BEVERLY SportTouring 350 ie

MORE EXCITEMENT

Beverly SportTouring is the highest performance and most technologically advanced tall-wheeled scooter on the market: the new engine combines the operating costs and lightness of a 300 cc with the performance of a 400 cc.

- 350 4-stroke, 4 valve engine with electronic fuel injection and more than 33 HP
- The maximum in performance and stability
- Absolute safety thanks to the 300 mm front disc
- Combined braking (standard version)
- Available in ABS/ASR version
- Spacious helmet compartment capable of holding two jet helmets
- 13 litre fuel tank for record setting range
- Refined and sporty style
- Smoked windshield as standard equipment

ACCESSORIES

- Transparent windshield
- Windshield
- Medium top box kit
- Large top box kit
- Leg cover
- Outdoor vehicle cover
- Scooter cover for garage
- Electronic alarm system
- Mechanical antitheft steering lock
- Tunnel bag
- Copter helmet colour-coded with vehicle



BLU
MIDNIGHT



ROSSO
ANTARES



NERO
LUCIDO



BIANCO
LUNA



ARGENTO
COMETA
OPACO

SPORTOURING

BEVERLY 300 ie·125 ie

THE EVOLUTION OF A LEADER

The functional elegance of the Beverly range, together with the technical popularity and the wealth of features, meets the needs of the rider in any conditions of use.

- 4-stroke, 4 valve QUASAR 300 engine with electronic injection
- 125 4-stroke, 4 valve engine with electronic injection
- Spacious helmet compartment capable of holding two jet helmets
- The only scooter in its segment featuring a 300 mm front disc brake
- Plenty of carefully designed accents
- Great stability and easy handling in traffic

ACCESSORI

- Clear or tinted windshield
- Windshield
- Medium top box kit
- Large top box kit
- Leg cover
- Outdoor vehicle cover
- Scooter cover for garage
- Electronic alarm system
- Mechanical antitheft steering lock
- Tunnel bag
- Copter helmet colour-coded with vehicle



NERO
COSMO



BIANCO
PERLA



BLU
MIDNIGHT



MARRONE
MERCURIO



GRIGIO
ORIONE



LIBERTY 150·125·50 4T·50 2T

THE CITY HAS NEVER BEEN SO EASY

- LEADER 125 and 150 engines
- 50 2-stroke and 50 4-stroke engine
- High fuel economy
- Great agility and easy handling in traffic
- 16" wide front wheel for greater riding safety and stability
- Roomy flat footrest
- Helmet compartment capable of holding a demi-jet helmet

ACCESSORIES

- Windshield
- Top box kit, colour-coded with vehicle
- Embossed finish top box kit
- Scooter cover
- Universal leg cover
- Electronic alarm
- Antitheft steering lock
- Lowered saddle



NERO
COSMO



BIANCO
PERLA



GRIGIO
PULSAR



ARANCIO
RAME
LUCIDO
(50 cc only)



BLU
MIDNIGHT
(150/125 cc
only)



BRONZO
PERSEO
(150/125 cc
only)

NEW

LIBERTY Full Optional 125

EASE IS STANDARD FROM THE FACTORY

- LEADER 125 engine
- Top box kit, colour-coded with vehicle as standard equipment
Large enough for a flip-up helmet.
- Windshield as standard equipment.
It is made in high quality, impact resistant and scratch proof metacrylate in 4 mm sheet

ACCESSORIES

- Scooter cover
- Universal leg cover
- Electronic alarm
- Antitheft steering lock
- Lowered saddle



NERO
GALASSIA



BIANCO
STELLA

NEW FLY ^{NEW} 125 ie 3V..50 4T 4V

SIMPLY FLY

The city is its natural habitat. Fly is an unbeatable vehicle for simplifying your daily movements.

Style, comfort and safety on two wheels in the most classic Piaggio style. The new Piaggio Fly is mobility for all.

Anywhere in the world.

- Italian and popular style
- 125 4-stroke, 3 valve engine with electronic injection
- 50 Hi-Per 4, 4-stroke, 4 valve engine for reduced fuel consumption and emissions
- The comfort of a mini GT
- Compact dimensions
- Excellent comfort thanks to its low and ergonomic saddle
- Helmet compartment for 2 demi-jet helmets with visor
- Maximum functionality thanks to the flat footrest, double stand and refuelling access in the back shield

ACCESSORIES

- Top box kit with painted cover
- Embossed finish top box kit
- Windshield kit
- Anti-slip platform mat
- Perimeter trim
- Universal AWATECH leg cover
- Scooter cover
- Electronic alarm



NERO
COSMO



BIANCO
PERLA



BLU
MIDNIGHT



ROSSO
IBIS



FLY 100*..50 2T

YOUR EVERYDAY FRIEND

- 100 4-stroke engine
- 50 Hi-Per 2, 2-stroke engine
- Maximum respect for the environment and high fuel economy
- Great comfort: ergonomic saddle, integrated passenger footrests and rear grab handle
- Large helmet compartment able to hold a flip up helmet
- 12" wheels make for great handling
- Low saddle and flat footrest for the utmost comfort and functionality

ACCESSORIES

- Windshield
- Top box kit
- Fumé windshield
- Electronic alarm
- Scooter cover
- Universal leg cover
- Antitheft steering lock

*not available on the Italian market



NERO
LUCIDO



BIANCO
CULT



BLU
MIDNIGHT



GRIGIO
EXCALIBUR

NEW

NRG Power DD / DT*

MAXIMUM ENERGY

- New saddle
- New graphics
- Hi-Per 2, 2-stroke engine liquid cooled (DD version)
- Upside-down fork for excellent road holding
- Large helmet compartment able to hold a flip up helmet
- Oversize rear wheel for maximum riding stability
- Analogue and digital instruments
- Braking system with front and rear disc (DD version)

ACCESSORIES

- Windshield
- Top box kit
- Universal leg cover
- Electronic alarm
- Antitheft steering lock

*not available on the Italian market



SERIE
SPECIALE
URBAN



BIANCO
LUNA



NERO
METEORA
OPACO



GRIGIO
TITANIO
OPACO



ARGENTO
COMETA
OPACO

ZIP 50 2T..50 4T

THE CITY IS ITS NATURAL HABITAT

- New spirited graphics
- 50 Hi-Per 2, 2-stroke engine liquid cooled
- Sporty, quick and nimble
- Saddle adjustable to three positions
- Large helmet compartment able to hold a flip up helmet

ACCESSORIES

- Windshield
- Top box kit
- Fumé windshield
- Universal leg cover
- Electronic alarm
- Antitheft steering lock



SPECIAL SERIES



BLU
MIDNIGHT



NERO
LUCIDO



BIANCO
OTTICO



SPECIAL
BLACK



SPECIAL
WHITE

NEW ZIP SP 50 2T

DOMINATE THE ROAD

- New spirited graphics
- 50 Hi-Per 2, 2-stroke engine liquid cooled
- Sporty, quick and nimble
- Saddle adjustable to three positions
- Large helmet compartment able to hold a flip up helmet

ACCESSORIES

- Windshield
- Top box kit
- Fumé windshield
- Universal leg cover
- Electronic alarm
- Antitheft steering lock



NERO
LUCIDO



BIANCO
LUNA



TYPHOON 125-50 2T

RIDING PURE ENERGY

- LEADER 125 engine
- 50 Hi-Per 2, 2-stroke engine
- Fun to ride, safe, minimalist
- Convenient to use thanks to its compact dimensions and flat footrest
- Its strength is its simple design
- Large helmet compartment able to hold a flip up helmet
- Wide 12" tyres
- Large saddle for two people

ACCESSORIES

- Top box kit
- Windshield
- Leg cover
- Scooter cover
- Electronic alarm system
- Antitheft steering lock



NERO
LUCIDO



GRIGIO
TITANIO
OPACO



BIANCO
CULT



BLU
NETTUNO
OPACO

TYPHOON

TECHNICAL
SPECIFICATIONS

X10		
	500 ie	350 ie (125 ie)*
Engine	4-stroke 4-valve single cylinder engine	4-stroke 4-valve single cylinder engine
Engine capacity	493 cu cm	330 cc (125 cc)
Bore x Stroke	94 x 71 mm	78 mm x 69 mm (57 mm x 48.6 mm)
Power	30 kW -40.8 hp- at 7,250 rpm	24.5 kW -33.3 hp- at 8,250 rpm (11 kW -15 hp- at 8,750 rpm)
Torque	46 Nm at 5,250 rpm	32.3 Nm at 6,250 rpm (12 Nm at 7,250 rpm)
Fuel system	Electronic injection	Electronic injection
Cooling	Liquid	Liquid
Lubrication	Wet sump	Dry sump (Wet sump)
Starter	Electric with oil-bath free wheel	Electric with oil-bath free wheel
Gearbox	CVT automatic variator	CVT automatic variator
Clutch	Automatic centrifugal dry clutch	Automatic multi disc wet centrifugal (Automatic, centrifugal dry)
Chassis	Double-cradle in high strength steel tube	Double-cradle in high strength steel tube
Front suspension	Hydraulic telescopic fork with Ø 41 mm stanchions	Hydraulic telescopic fork with Ø 35 mm stanchions
Rear suspension	Dual action single shock absorber with electronically adjustable spring preloading and progressive linkage	Double dual action hydraulic shock absorber with adjustable preloading to four positions
Brake front	Ø 280 mm disc with floating calliper and two pistons, combined braking	Ø 280 mm diam. dual disc with dual piston floating calliper, combined braking system
Brake rear	Ø 240 mm disc with dual piston floating calliper	Ø 240 mm disc with dual piston floating calliper
ABS / ASR System	Standard	Standard on the Executive version
Tyre front	Tubeless 120/70 - 15"	Tubeless 120/70 - 15"
Tyre rear	Tubeless 150/70 - 13"	Tubeless 150/70 - 13"
Length/ Width/Wheelbase	2,265 mm / 800 mm / 1,640 mm	2,265 mm / 800 mm / 1,625 mm
Saddle height	760 mm	760 mm
Fuel tank capacity	15.5 l (2 l reserve)	15.5 l (2 l reserve)
Emissions compliance	EURO 3	EURO 3

*(data for these versions in brackets when different)

MP3 HYBRID	
	300 ie
Internal combustion engine	4-stroke 4-valve single cylinder engine
Engine capacity	278 cc
Bore x Stroke	75 mm x 63 mm
Fuel system	Electronic fuel injection with Ride by Wire throttle control
Cooling	Liquid
Lubrication	Wet sump
Starter	Electric
Electric motor	Synchronous brushless permanent magnet motor
Power supply voltage	Three-phase alternating current
Engine control	Digitally controlled inverter
Cooling system	Forced air
Electric motor power	2.6 kW -3.5 hp-
Electric motor torque	15 Nm
Hybrid powertrain power	18.2 kW -24.8 hp- at 7,500 rpm
Hybrid powertrain torque	28 Nm at 3,500 rpm
Gearbox	CVT with torque server
Clutch	Automatic, centrifugal dry clutch
Chassis	Double cradle in high strength tubular steel
Front suspension	Articulated quadrilateral
Rear suspension	Double dual-action hydraulic shock absorber
Brake front	Hydraulically operated Ø 240 mm double disc
Brake rear	Hydraulically operated Ø 240 mm disc
Length/ Width/Wheelbase	2,140 mm / 760 mm / 1,490 mm
Saddle height	780 mm
Fuel tank capacity	12 litres
Consumption	60 km /l (combined cycle 2/3 hybrid; 1/3 electric)
Max range in electric mode	20 km
Emissions	40 g/km (combined cycle 2/3 hybrid; 1/3 electric)
Emissions compliance	EURO 3

MP3 BUSINESS / SPORT			MP3 YOURBAN / SPORT
	LT 500 ie	LT 300 ie	300 ie / LT 300 ie
Engine	4-stroke 4-valve single cylinder engine	4-stroke 4-valve single cylinder engine	4-stroke 4-valve single cylinder engine
Engine capacity	493 cu cm	278 cc	278 cc
Bore x Stroke	94 x 71 mm	75 mm x 63 mm	75 mm x 63 mm
Power	29.5 kW -40.1 hp- at 7,250 rpm	16.5 kW -22.5 hp- at 7,500 rpm	16.6 kW -22.6 HP- at 7,500 rpm / LT 16.7 -22.7 HP at 7,750 rpm
Torque	46.5 Nm at 5,250 rpm	23.2 Nm at 6,500 rpm	24 Nm at 6,000 rpm / LT 24 Nm at 5,750 rpm
Fuel system	Electronic injection	Electronic injection	Electronic injection
Cooling	Liquid	Liquid	Liquid
Lubrication	Wet sump	Wet sump	Wet sump
Starter	Electric	Electric	Electric
Gearbox	CVT with torque server	CVT with torque server	CVT with torque server
Clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
Chassis	Double cradle in high strength tubular steel	Double cradle in high strength tubular steel	Double cradle in high strength tubular steel
Front suspension	Articulated quadrilateral	Articulated quadrilateral	Articulated quadrilateral
Rear suspension	Double dual-action hydraulic shock absorber	Double dual-action hydraulic shock absorber	Double dual-action hydraulic shock absorber
Brake front	Hydraulically operated Ø 240 mm double disc	Hydraulically operated Ø 240 mm double disc	Hydraulically operated Ø 240 mm double disc
Brake rear	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 240 mm disc
Tyre front	Tubeless 120/70 - 12"	Tubeless 120/70 - 12"	Tubeless 110/70 - 13"
Tyre rear	Tubeless 140/70 - 14"	Tubeless 140/60 - 14"	Tubeless 140/60 - 14"
Length/Width/Wheelbase	2,180 mm / 760 mm / 1,550 mm	2,130 mm / 745 mm / 1,490 mm	2,040 mm / 760 mm / 1,440 mm
Saddle height	785 mm	780 mm	780 mm
Fuel tank capacity	12 litres	12 litres	11 litres
Emissions compliance	Euro 2	EURO 2	EURO 3 / LT EURO 2

XEVO				BEVERLY			
	125**			SportTouring			300 ie (125 ie)*
Engine	4-stroke 4-valve single cylinder engine			4-stroke 4-valve single cylinder engine			4-stroke 4-valve single cylinder engine
Engine capacity	124 cc			330 cc			278 cc (124 cc)
Bore x Stroke	57 mm x 48,6 mm			78 mm x 69 mm			75 mm x 63 mm (57 mm x 48.6 mm)
Power	11 kW -15 hp- at 10,000 rpm			24.5 kW -33.3 hp- at 8,250 rpm			16.3 kW -22.2 hp- at 7,250 rpm (11 kW -15 hp- at 9,250 rpm)
Torque	12 Nm at 8,000 rpm			32.3 Nm at 6,250 rpm			23 Nm at 5,750 rpm (12 Nm at 7,500 rpm)
Fuel system	Carburettor			Electronic injection			Electronic injection
Cooling	Liquid			Liquid			Liquid
Lubrication	Wet sump			Dry sump			Wet sump
Starter	Electric			Electric with oil-bath free wheel			Electric
Gearbox	CVT with torque server			CVT automatic variator			CVT with torque server
Clutch	Automatic centrifugal dry clutch			Automatic multi disc wet centrifugal			Automatic centrifugal dry clutch
Chassis	Double cradle in high strength tubular steel			Double cradle in high strength tubular steel			Double cradle in high strength tubular steel
Front suspension	Hydraulic telescopic fork			35 mm hydraulic telescopic fork			Hydraulic telescopic fork
Rear suspension	Double hydraulic shock absorber with four-position spring preload adjustment			Double dual action hydraulic shock absorber with four-position spring preload adjustment			Double hydraulic shock absorber with four-position spring preload adjustment
Brake front	Hydraulically operated Ø 260 mm disc			Hydraulically operated Ø 300 mm disc -combined braking or ABS/ASR version-			Hydraulically operated Ø 300 mm disc
Brake rear	Hydraulically operated Ø 240 mm disc			Hydraulically operated Ø 240 mm disc -combined braking or ABS/ASR version-			Hydraulically operated Ø 240 mm disc
Tyre front	Tubeless 120/70 - 14"			Tubeless 110/70 - 16"			Tubeless 110/70 - 16"
Tyre rear	Tubeless 140/60 - 13"			Tubeless 150/70 - 14"			Tubeless 140/70 - 14"
Length/Width/Wheelbase	2,070 mm / 760 mm / 1,490 mm			2,215 mm / 760 mm / 1,560 mm			2,150 mm / 780 mm / 1,535 mm
Saddle height	790 mm			795 mm			790 mm
Fuel tank capacity	12.5 litres			13 litres			13 litres
Emissions compliance	EURO 3			EURO 3			EURO 3

*(data for these versions in brackets when different)

**Not available on the Italian market

LIBERTY			NEW FLY
	150 (125)*	50 4T (50 2T)*	125 3V
Engine	4-stroke 2-valve single cylinder engine	Single cylinder Hi-Per 4, 4-stroke, 2 valve (Hi-Per 2, 2-stroke)	4-stroke 3-valve single cylinder engine
Engine capacity	151 cc (124 cc)	49.9 cc (49.4 cc)	124 cc
Bore x Stroke	62,8 mm x 48,6 mm (57 mm x 48,6 mm)	39 mm x 41,8 mm (40 mm x 39,3 mm)	52 mm x 58,6 mm
Power	8.9 kW -12.1 hp- at 7,750 rpm (7.7 kW -10.5 hp- at 8,250 rpm)	2.6 kW -3.5 hp- at 7,000 rpm (3.4 kW -4.6 hp- at 7,250 rpm)	8.9 kW -12.1 hp- at 8,250 rpm
Torque	11.8 Nm at 6,500 rpm (9.6 Nm at 7,250 rpm)	3.7 Nm at 6,750 rpm (4.7 Nm at 6,750 rpm)	10.7 Nm at 6,750 rpm
Fuel system	Carburettor	Carburettor	Injection
Cooling	Forced air	Forced air	Forced air
Lubrication	Wet sump	Wet sump (automatic mixer controlled according to throttle opening and engine speed)	Wet sump
Starter	Electric	Electric and kick starter	Electric
Gearbox	CVT with torque server	CVT with torque server	CVT with torque server
Clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
Chassis	High strength tubular steel single cradle frame	High strength tubular steel single cradle frame	Single cradle structure in tubular steel with pressed reinforcements
Front suspension	Hydraulic telescopic fork	Hydraulic telescopic fork	Hydraulic telescopic fork
Rear suspension	Hydraulic shock absorber with four-position spring preload adjustment	Hydraulic shock absorber	Hydraulic monoshock absorber
Brake front	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 240 mm disc	Hydraulically operated Ø 220 mm disc
Brake rear	Ø 140 mm drum	Ø 140 mm drum	Hydraulically operated Ø 220 mm disc
Tyre front	Tubeless 90/80 - 16"	Tubeless 90/80 - 16"	Tubeless 120/70 - 12"
Tyre rear	Tubeless 110/80 - 14"	Tubeless 110/80 - 14"	Tubeless 120/70 - 12"
Length/ Width/Wheelbase	1,935 mm / 760 mm / 1,325 mm	1,935 mm / 760 mm / 1,320 mm	1,850 mm / 720mm / 1,325 mm
Saddle height	795 mm	785 mm	760 mm
Fuel tank capacity	7.5 litres	6 litres	7 Litres (including 1.5 litre reserve)
Emissions compliance	EURO 3	EURO 2	EURO 3

*[data for these versions in brackets when different]

NEW FLY		FLY	
	50 4T	100**	50 2T
Engine	Hi-Per 4, 4-stroke 4 valve single cylinder	4-stroke 2-valve single cylinder	Hi-Per 2, 2-stroke single cylinder
Engine capacity	49.9 cc	96.2 cc	49.4 cc
Bore x Stroke	39 mm x 41,8 mm	50 mm x 49 mm	40 mm x 39,3 mm
Power	3.2 kW -4.3 hp- at 8,250 rpm	4.6 kW -6.3 hp- at 7,500 rpm	3.2 kW -4.3 hp- at 6,750 rpm
Torque	3.8 Nm at 7,750 rpm	6.7 Nm at 5,000 rpm	4.6 Nm at 6,000 rpm
Fuel system	Carburettor	Carburettor	Carburettor
Cooling	Forced air	Forced air	Forced air
Lubrication	Wet sump	Wet sump	Mixer controlled according to throttle opening and engine speed
Starter	Electric and kick starter	Electric	Electric and kick starter
Gearbox	CVT with torque server	CVT with torque server	CVT with torque server
Clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
Chassis	Single cradle structure in tubular steel with pressed reinforcements	High strength tubular steel single cradle frame	High strength tubular steel single cradle frame
Front suspension	Hydraulic telescopic fork	Hydraulic telescopic fork	Hydraulic telescopic fork
Rear suspension	Hydraulic monoshock absorber	Hydraulic shock absorber	Hydraulic shock absorber
Brake front	Hydraulically operated Ø 220 mm disc	Hydraulically operated Ø 200 mm disc	Hydraulically operated Ø 200 mm disc
Brake rear	Ø 140 mm drum	Ø 140 mm drum	Ø 140 mm drum
Tyre front	Tubeless 120/70 - 12"	Tubeless 120/70 - 12"	Tubeless 120/70 - 12"
Tyre rear	Tubeless 120/70 - 12"	Tubeless 120/70 - 12"	Tubeless 120/70 - 12"
Length/ Width/Wheelbase	1,870 mm / 705 mm / 1,345 mm	1,880 mm / 735 mm / 1,340 mm	1,880 mm / 735 mm / 1,340 mm
Saddle height	760 mm	785 mm	785 mm
Fuel tank capacity	7 litres (including 1.5 litre reserve)	8 litres	7.5 litres
Emissions compliance	EURO 2	EURO 3	EURO 2

**Not available on the Italian market

	NRG POWER	ZIP	TYPHOON	
	DD (DT)**	SP 50 2T	50 4T (50 2T)*	125 (50 2T)*
Engine	Hi-Per 2, 2-stroke single cylinder	Hi-Per 2, 2-stroke single cylinder	Hi-Per 4, 4-stroke 2 valve single cylinder (Hi-Per 2, 2-stroke)	4-stroke 2 valve single cylinder (Hi-Per 2, 2-stroke)
Engine capacity	49.4cc	49.4cc	49.9 cc (49.4 cc)	124 cc (49.4 cc)
Bore x Stroke	40 x 39.3 mm	40 x 39.3 mm	39 mm x 41.8 mm (40 mm x 39.3 mm)	57 mm x 48.6 mm (40 mm x 39.3 mm)
Power	3.3 kW -4.5 hp- at 7,250 rpm (3.3 kW -4.5 hp- at 6,500 rpm)	3.2 kW -4.3 hp- at 7,250 rpm	2.6 kW -3.5 hp- at 8,500 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)
Torque	4.7 Nm at 6,000 rpm (4.9 Nm at 6,250 rpm)	4.5 Nm at 6,000 rpm	3.6 Nm at 6,500 rpm (4.3 Nm at 6,500 rpm)	8.2 Nm at 7,500 rpm (4.6 Nm at 6,000 rpm)
Fuel system	Carburettor	Carburettor	Carburettor	Carburettor
Cooling	Liquid (air)	Liquid	Forced air	Forced air
Lubrication	Mixer controlled according to throttle opening and engine speed	Mixer controlled according to throttle opening and engine speed	Wet sump (automatic mixer controlled according to throttle opening and engine speed)	Wet sump (automatic mixer controlled according to throttle opening and engine speed)
Starter	Electric and kick starter	Electric and kick starter	Electric and kick starter	Electric (and kick starter)
Gearbox	CVT with torque server	CVT with torque server	CVT with torque server	CVT with torque server
Clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch	Automatic centrifugal dry clutch
Chassis	High strength tubular steel single cradle frame	High strength tubular steel single cradle frame	High strength tubular steel single cradle frame	Single cradle structure in tubular steel with pressed reinforcements
Front suspension	Hydraulic upside down telescopic fork	Hydraulic single arm shock absorber	Hydraulic telescopic fork	Hydraulic telescopic fork
Rear suspension	Hydraulic shock absorber	Hydraulic shock absorber	Hydraulic shock absorber	Hydraulic shock absorber with four-position spring preload adjustment (hydraulic shock absorber)
Brake front	Hydraulically operated Ø 220 mm disc	Hydraulically operated Ø 200 mm disc	Hydraulically operated Ø 175 mm disc	Hydraulically operated Ø 220 mm disc
Brake rear	Hydraulically operated Ø 175 mm disc (Ø 110 mm drum)	Ø 110 mm drum	Ø 110 mm drum	Ø 140 mm drum
Tyre front	Tubeless 120/70 - 13"	Tubeless 100/80 - 10"	Tubeless 100/80 - 10"	Tubeless 120/80 - 12"
Tyre rear	Tubeless 140/60 - 13"	Tubeless 120/70 - 10"	Tubeless 120/70 - 10"	Tubeless 130/80 - 12"
Length/Width/Wheelbase	1,790 mm / 750 mm / 1,280 mm	1,700 mm / 680 mm / 1,205 mm	1,700 mm / 680 mm / 1,200 mm	1,940 mm / 720 mm / 1,350 mm
Saddle height	810 mm	Adjustable: 750 mm - 765 mm - 780 mm	Adjustable: 750 mm - 765 mm - 780 mm	765 mm
Fuel tank capacity	6.7 litres	7.6 litres	7.3 litres	7 litres
Emissions compliance	EURO 2	EURO 2	EURO 2	EURO 3 (EURO 2)

*[data for these versions in brackets when different]

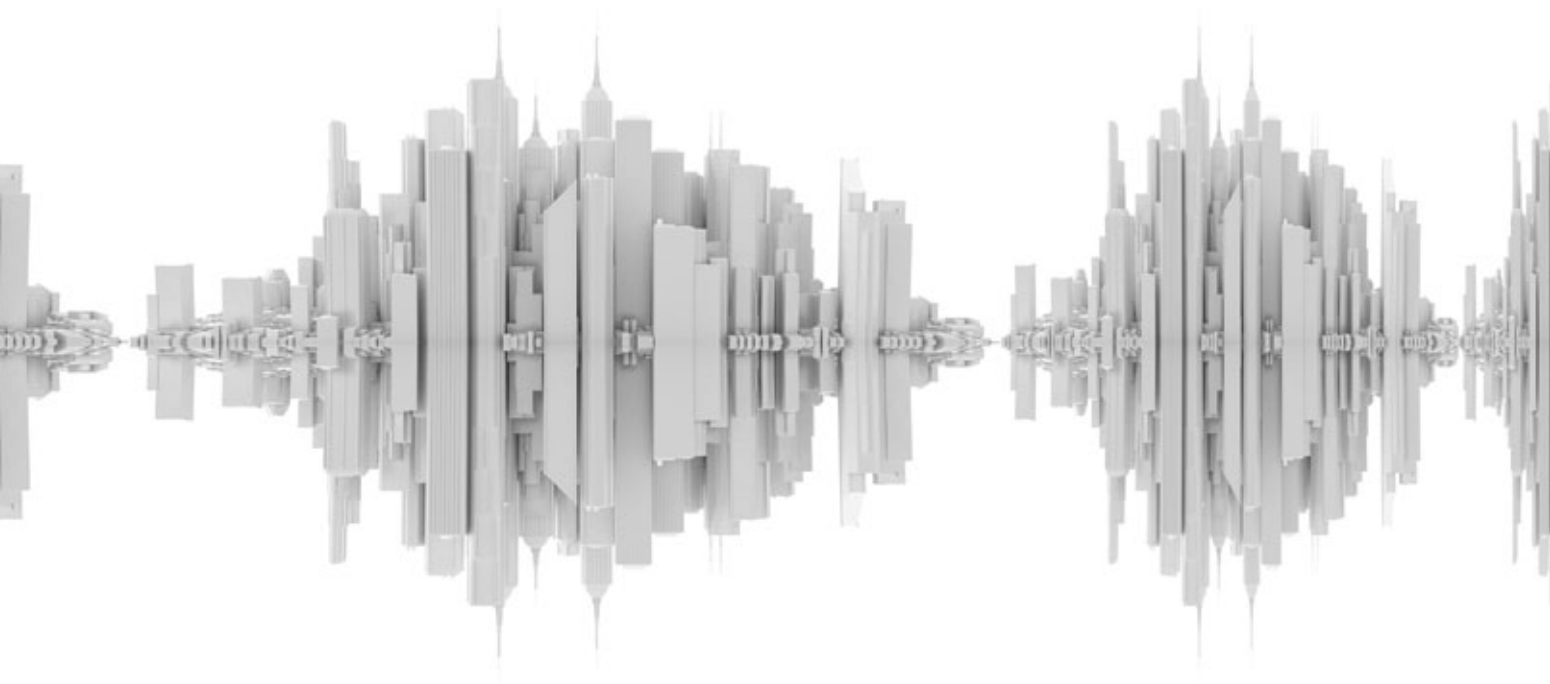
**Not available on the Italian market



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