

FE 250 ENDURO



Specifications

ENGINE TYPE	Single cylinder, four-stroke
DISPLACEMENT	249.91cc
BORE/STROKE	78/52.3mm
COMPRESSION RATIO	12.8:1
STARTER/BATTERY	Electric starter / 12V 4Ah
TRANSMISSION	Six gears
FUEL SYSTEM	Keihin EFI, 42mm throttle body
COOLING	Liquid cooling with electric fan
CLUTCH	DDS wet multi-disc clutch, hydraulic
IGNITION	Keihin EMS
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm 4CS closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/13 in.
FRONT/REAR	
FRONT/REAR BRAKES	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 18"
FRONT/REAR TIRES	90/90-21"; 120/90-18"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	20mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	13.6 in.
SEAT HEIGHT	38.2 in.
TANK CAPACITY	2.5 gal.
WEIGHT (WITHOUT FUEL)	approx. 237 lbs.

Highlights

- 249.9cc DOHC four-stroke engine with König bridged-box-type piston
- DDS (Damped Diaphragm Steel) clutch system with Brembo hydraulics
- Pankl crankshaft and connecting rod
- Keihin EFI, 42mm throttle body
- Six-speed gearbox
- Electric start
- Temperature-controlled electric radiator fan
- 4CS closed-cartridge 48mm WP fork with easy on-the-fly adjust
- CNC-machined triple clamps with four handlebar positions
- Neken tapered aluminum oversize handlebar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- USFS-approved spark arrestor silencer
- California green-sticker
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Oversize fuel tank
- Hand guards



Specifications

ENGINE TYPE	Single cylinder, four-stroke
DISPLACEMENT	349.7cc
BORE/STROKE	88/57.5mm
COMPRESSION RATIO	12.3:1
STARTER/BATTERY	Electric starter / 12V 4Ah
TRANSMISSION	Six gears
FUEL SYSTEM	Keihin EFI, 42mm throttle body
COOLING	Liquid cooling with electric fan
CLUTCH	DDS wet multi-disc clutch, hydraulic
IGNITION	Keihin EMS
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm 4CS closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/13 in.
FRONT/REAR	
FRONT/REAR BRAKES	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 18"
FRONT/REAR TIRES	90/90-21"; 140/80-18"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	20mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	13.6 in.
SEAT HEIGHT	38.2 in
TANK CAPACITY	2.5 gal.
WEIGHT (WITHOUT FUEL)	approx. 240.7 lbs.

Highlights

- 349.7cc DOHC four-stroke engine with Vertex forged piston
- DDS (Damped Diaphragm Steel) clutch system with Brembo hydraulics
- Pankl crankshaft and connecting rod
- Keihin EFI, 42mm throttle body
- Six-speed gearbox
- Electric start
- Temperature-controlled electric radiator fan
- 4CS closed-cartridge 48mm WP fork with easy on-the-fly adjust
- CNC-machined triple clamps with four handlebar positions
- Neken tapered aluminum oversize handlebar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- USFS-approved spark arrestor silencer
- California green-sticker
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop MX51 tires
- Oversize fuel tank
- Hand guards

FE 501 ENDURO



Specifications

ENGINE TYPE	Single cylinder, four-stroke
DISPLACEMENT	510.4cc
BORE/STROKE	95/72mm
COMPRESSION RATIO	11.8:1
STARTER/BATTERY	Electric starter / 12V 4Ah
TRANSMISSION	Six gears
FUEL SYSTEM	Keihin EFI, 42mm throttle body
COOLING	Liquid cooling with electric fan
CLUTCH	DDS wet multi-disc clutch, hydraulic
IGNITION	Keihin EMS
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm 4CS closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/13 in. 300/330mm
FRONT/REAR	
FRONT/REAR BRAKES	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 18"
FRONT/REAR TIRES	90/90-21"; 140/80-18"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	20mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	13.6 in.
SEAT HEIGHT	38.2 in.
TANK CAPACITY	2.4 gal.
WEIGHT (WITHOUT FUEL)	approx. 249.1 lbs.

Highlights

- 510.4cc SOHC four-stroke engine with König bridged-box-type piston
- DDS (Damped Diaphragm Steel) clutch system with Brembo hydraulics
- Pankl crankshaft and connecting rod
- Keihin EFI, 42mm throttle body
- Six-speed gearbox
- Electric start
- Temperature-controlled electric radiator fan
- 4CS closed-cartridge 48mm WP fork with easy on-the-fly adjust
- CNC-machined triple clamps with four handlebar positions
- Neken tapered aluminum oversize handlebar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- USFS-approved spark arrestor silencer
- California green-sticker
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Oversize fuel tank
- Hand guards

TE 250 ENDURO



Specifications

ENGINE TYPE	Single cylinder, two-stroke
DISPLACEMENT	249cc
BORE/STROKE	66.4/72mm
STARTER/BATTERY	Kick and electric starter / 12V 4Ah
TRANSMISSION	Six gears
FUEL SYSTEM	Keihin PWK 36S AG
COOLING	Liquid cooling with electric fan
CLUTCH	DDS wet multi-disc clutch, hydraulic
IGNITION	Kokusan
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm 4CS closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/13 in.
FRONT/REAR	
FRONT/REAR BRAKES	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 18"
FRONT/REAR TIRES	90/90-21"; 140/80-18"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	20mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	14 in.
SEAT HEIGHT	37.8 in.
TANK CAPACITY	2.9 gal.
WEIGHT (WITHOUT FUEL)	approx. 230.1 lbs.

Highlights

- 249cc two-stroke engine with adjustable power valve
- CDI with two ignition curves, switchable by plug
- DDS (Damped Diaphragm Steel) clutch system with Brembo hydraulics
- Electric- and kick-start
- Boyesen reed valves
- Six-speed gearbox
- 4CS closed-cartridge 48mm WP fork with easy on-the-fly adjust
- CNC-machined triple clamps with four handlebar positions
- Neken tapered aluminum oversize handlebar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Oversize fuel tank
- Hand guards

TE 300 ENDURO



Specifications

ENGINE TYPE	Single cylinder, two-stroke
DISPLACEMENT	293.2cc
BORE/STROKE	72/72mm
STARTER/BATTERY	Kick and electric starter / 12V 4Ah
TRANSMISSION	Six gears
FUEL SYSTEM	Keihin PWK 36S AG
COOLING	Liquid cooling
CLUTCH	DDS wet multi-disc clutch, hydraulic
IGNITION	Kokusan
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm 4CS closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/13 in.
FRONT/REAR	
FRONT/REAR BRAKES	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 18"
FRONT/REAR TIRES	90/90-21"; 140/80-18"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	20mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	14 in.
SEAT HEIGHT	37.8 in.
TANK CAPACITY	2.9 gal.
WEIGHT (WITHOUT FUEL)	approx. 230.6 lbs.

Highlights

- 293.2cc two-stroke engine with adjustable power valve
- CDI with two ignition curves, switchable by plug
- DDS (Damped Diaphragm Steel) clutch system with Brembo hydraulics
- Electric- and kick-start
- Boyesen reed valves
- Six-speed gearbox
- 4CS closed-cartridge 48mm WP fork with easy on-the-fly adjust
- CNC-machined triple clamps with four handlebar positions
- Neken tapered aluminum oversize handlebar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Oversize fuel tank
- Hand guards

TC 85 CROSS



Specifications

ENGINE TYPE	Single cylinder, two-stroke
DISPLACEMENT	84.9cc
BORE/STROKE	47/48.95mm
STARTER	Kickstarter
FUEL SYSTEM	Keihin PWK 28
TRANSMISSION	Six gears
COOLING	Liquid cooling
CLUTCH	Wet multi-disc clutch, hydraulic
IGNITION	Moric digital 2M1
FRAME	Double grinded central double-cradle-type steel frame
SUBFRAME	Aluminum
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP Upside-Down 43mm
REAR SUSPENSION	WP-PDS mono shock
SUSPENSION TRAVEL	10.6/11.8 in.
FRONT/REAR	
FRONT/REAR BRAKE	220/210mm disc
FRONT/REAR RIMS	1.40 x 17"; 1.60 x 14"
FRONT/REAR TIRES	70/100 x 17"; 90/100 x 14"
EXHAUST	Aluminum
STEERING HEAD ANGLE	24°
TRIPLE CLAMP OFFSET	14mm
WHEELBASE	50.8±0.4 in.
GROUND CLEARANCE	13.9 in.
SEAT HEIGHT	33.7 in.
TANK CAPACITY	1.3 gal.
WEIGHT (WITHOUT FUEL)	approx. 149.9 lbs.

Highlights

- 84.9cc two-stroke engine with power valve
- V-Force reed valves
- Formula hydraulic clutch
- Six-speed gearbox
- 43mm WP-USD open-cartridge fork with easy on-the-fly adjust
- Cast aluminum triple clamp with four handlebar positions
- Tapered aluminum handlebar
- PDS rear suspension with fully adjustable WP shock
- Aluminum rear subframe
- Formula hydraulic brakes with wave rotors
- Black Excel rims, CNC-machined hubs
- Pirelli Scorpion tires

TC 125 CROSS



Specifications

ENGINE TYPE	Single cylinder, two-stroke
DISPLACEMENT	124.8cc
BORE/STROKE	54/54.5mm
STARTER	Kickstarter
FUEL SYSTEM	Keihin PWK 38S AG
TRANSMISSION	Six gears
COOLING	Liquid cooling
CLUTCH	Wet multi-disc clutch, hydraulic
IGNITION	Kokusan
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/12.4 in.
FRONT/REAR	
FRONT/REAR BRAKE	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 19"
FRONT/REAR TIRES	80/100-21"; 100/90-19"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	22mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	15.6 in.
SEAT HEIGHT	39 in.
TANK CAPACITY	2 gal.
WEIGHT (WITHOUT FUEL)	approx. 203.4 lbs.

Highlights

- 124.8cc two-stroke engine with power valve
- Vertex piston
- Boyesen reed valves
- Magura hydraulic clutch
- Six-speed gearbox
- Closed-cartridge 48mm WP fork
- CNC-machined triple clamps with four handlebar positions
- Tapered aluminum 827 Renthal Fatbar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Hand guards

TC 250 CROSS



Specifications

ENGINE TYPE	Single cylinder, two-stroke
DISPLACEMENT	249cc
BORE/STROKE	66.4/72mm
STARTER	Kickstarter
FUEL SYSTEM	Keihin PWK 36S AG
TRANSMISSION	Five gears
COOLING	Liquid cooling
CLUTCH	Wet multi-disc DDS-clutch, hydraulic
IGNITION	Kokusan
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/12.4 in.
FRONT/REAR	
FRONT/REAR BRAKE	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 19"
FRONT/REAR TIRES	80/100-21"; 100/90-19"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	20mm
WHEELBASE	58.3±0.4 in.
GROUND CLEARANCE	15.1 in.
SEAT HEIGHT	39 in.
TANK CAPACITY	2 gal.
WEIGHT (WITHOUT FUEL)	approx. 215.6 lbs.

Highlights

- 249cc two-stroke engine with adjustable power valve
- CDI with two ignition curves, changeable by handlebar switch
- Boyesen reed valves
- DDS (Damped Diaphragm Steel) clutch with Brembo hydraulics
- Five-speed gearbox
- Closed-cartridge 48mm WP fork
- CNC-machined triple clamps with four handlebar positions
- Tapered aluminum 827 Renthal Fatbar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Hand guards

FC 250 CROSS



Specifications

ENGINE TYPE	Single cylinder, four-stroke
DISPLACEMENT	249.9cc
BORE/STROKE	78/52.3mm
COMPRESSION RATIO	13.9:1
STARTER/BATTERY	Electric starter / 12V 3Ah
TRANSMISSION	Five gears
FUEL SYSTEM	Keihin EFI, 44mm throttle body
COOLING	Liquid cooling
CLUTCH	Wet multi-disc CSS-clutch, hydraulic
IGNITION	Keihin EMS
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/12.4 in.
FRONT/REAR	
FRONT/REAR BRAKE	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 19"
FRONT/REAR TIRES	80/100-21"; 100/90-19"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	22mm
WHEELBASE	58.9±0.4 in.
GROUND CLEARANCE	14.8 in.
SEAT HEIGHT	39 in.
TANK CAPACITY	2 gal.
WEIGHT (WITHOUT FUEL)	approx. 229.5 lbs.

Highlights

- 249.9cc DOHC four-stroke engine with DLC-coated finger followers
- CDI with two ignition curves, changeable by handlebar switch
- König forged bridged-box-type piston
- Pankl crankshaft and connecting rod
- CSS clutch with Brembo hydraulics
- Keihin EFI, 44mm throttle body
- Five-speed gearbox
- Electric start
- Closed-cartridge 48mm WP fork
- CNC-machined triple clamps with four handlebar positions
- Tapered aluminum 827 Renthal Fatbar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Hand guards

FC 450 CROSS



Specifications

ENGINE TYPE	Single cylinder, four-stroke
DISPLACEMENT	449.3cc
BORE/STROKE	95/63.4mm
COMPRESSION RATIO	12.6:1
STARTER/BATTERY	Electric starter / 12V 3Ah
TRANSMISSION	Five gears
FUEL SYSTEM	Keihin EFI, 44mm throttle body
COOLING	Liquid cooling
CLUTCH	Wet multi-disc DDS-clutch, hydraulic
IGNITION	Keihin EMS
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Cross-linked Polyamide
HANDLEBAR	Tapered aluminum
FRONT SUSPENSION	WP-USD 48mm closed cartridge
REAR SUSPENSION	WP-Monoshock with linkage
SUSPENSION TRAVEL	11.8/12.4 in.
FRONT/REAR	
FRONT/REAR BRAKE	260/220mm disc
FRONT/REAR RIMS	1.60 x 21"; 2.15 x 19"
FRONT/REAR TIRES	80/100-21"; 110/90-19"
EXHAUST	Aluminum
STEERING HEAD ANGLE	26.5°
TRIPLE CLAMP OFFSET	22mm
WHEELBASE	58.9±0.4 in.
GROUND CLEARANCE	14.6 in.
SEAT HEIGHT	39 in.
TANK CAPACITY	2 gal.
WEIGHT (WITHOUT FUEL)	approx. 237.2 lbs.

Highlights

- 449.3cc SOHC four-stroke engine with DLC-coated rocker arms
- CDI with two ignition curves, changeable by handlebar switch
- König forged bridged-box-type piston
- Pankl crankshaft and connecting rod
- DDS (Damped Diaphragm Steel) clutch with Brembo hydraulics
- Keihin EFI, 44mm throttle body
- Five-speed gearbox
- Electric start
- Closed-cartridge 48mm WP fork
- CNC-machined triple clamps with four handlebar positions
- Tapered aluminum 827 Renthal Fatbar
- Link-mounted rear WP suspension
- Three-piece polyamide rear subframe
- Black D.I.D. DirtStar rims, CNC-machined hubs
- Dunlop Geomax MX51 tires
- Hand guards