

FE 390 FE 450 FE 570 FX 450

FS 570

DATA

TECHNICAL



FE 390



FE 450



FE 570

ENGINE

ENGINE TYPE	Single cylinder, 4-stroke	Single cylinder, 4-stroke	Single cylinder, 4-stroke
DISPLACEMENT	393.3 mm	449.3 cc	565.5 cc
BORE / STROKE	95 / 55.5 mm	95 / 63.4 mm	100 / 72 mm
COMPRESSION RATIO	11.1:1	11.8:1	12.2:1
STARTER / BATTERY	Electric starter / 12 V 7Ah	Electric starter / 12 V 7Ah	Electric starter / 12 V 7Ah
TRANSMISSION	6 gears	6 gears	6 gears
FUEL SYSTEM	Keihin EFI	Keihin EFI	Keihin EFI
CONTROL	4 V / OHC with rocker levers	4 V / OHC with rocker levers	4 V / OHC with rocker levers
LUBRICATION	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
ENGINE OIL	Motorex, SAE 10W-50	Motorex, SAE 10W-50	Motorex, SAE 10W-50
PRIMARY RATIO	33:76	33:76	33:76
FINAL DRIVE	13:38 (13:52)	13:38 (13:52)	13:38 (13:52)
COOLING	Liquid cooling	Liquid cooling	Liquid cooling
CLUTCH	Wet multi-disc clutch, hydraulically operated	Wet multi-disc clutch, hydraulically operated	Wet multi-disc clutch, hydraulically operated
ENGINE MANAGEMENT	Keihin	Keihin	Keihin

CHASSIS

FRAME	Double cradle perimeter design 25CrMo4	Double cradle perimeter design 25CrMo4	Double cradle perimeter design 25CrMo4
SUBFRAME	Cross-linked Polyethylene	Cross-linked Polyethylene	Cross-linked Polyethylene
HANDLEBAR	Magura, Aluminium Ø 28 / 22 mm	Magura, Aluminium Ø 28 / 22 mm	Magura, Aluminium Ø 28 / 22 mm
FRONT SUSPENSION	WP-USD Ø 48 mm	WP-USD Ø 48 mm	WP-USD Ø 48 mm
REAR SUSPENSION	WP-PDS shock absorber	WP-PDS shock absorber	WP-PDS shock absorber
SUSP. TRAVEL FRONT / REAR	300 / 335 mm	300 / 335 mm	300 / 335 mm
FRONT / REAR BRAKES	Disc brake Ø 260 / 220 mm	Disc brake Ø 260 / 220 mm	Disc brake Ø 260 / 220 mm
FRONT / REAR RIMS	1.60 x 21"; 2.15 x 18" DID	1.60 x 21"; 2.15 x 18" DID	1.60 x 21"; 2.15 x 18" DID
FRONT / REAR TIRES	90 / 90-21"; 140 / 80-18"	90 / 90-21"; 140 / 80-18"	90 / 90-21"; 140 / 80-18"
CHAIN	Chain 5/8 x 1/4"	Chain 5/8 x 1/4"	Chain 5/8 x 1/4"
SILENCER	Aluminium	Aluminium	Aluminium
STEERING HEAD ANGLE	63.5°	63.5°	63.5°
WHEEL BASE	1,475 +/- 10 mm	1,475 +/- 10 mm	1,475 +/- 10 mm
GROUND CLEARANCE	390 mm	390 mm	390 mm
SEAT HEIGHT	985 mm	985 mm	985 mm
TANK CAPACITY	approx. 8.5 litres	approx. 8.5 litres	approx. 8.5 litres
WEIGHT (READY TO RACE)	approx. 114 kg (without fuel)	approx. 114 kg (without fuel)	approx. 114.5 kg (without fuel)



FX 450



FS 570

ENGINE

ENGINE TYPE	Single cylinder, 4-stroke	Single cylinder, 4-stroke
DISPLACEMENT	449.3 cc	565.5 cc
BORE / STROKE	95 / 63.4 mm	100 / 72 mm
COMPRESSION RATIO	11.8:1	12.2:1
STARTER / BATTERY	Electric starter / 12 V 7Ah	Electric starter / 12 V 7Ah
TRANSMISSION	6 gears	6 gears
FUEL SYSTEM	Keihin EFI	Keihin EFI
CONTROL	4 V / OHC with rocker levers	4 V / OHC with rocker levers
LUBRICATION	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
ENGINE OIL	Motorex, SAE 10W-50	Motorex, SAE 10W-50
PRIMARY RATIO	33:76	33:76
FINAL DRIVE	13:52	14:38
COOLING	Liquid cooling	Liquid cooling
CLUTCH	Wet multi-disc clutch, hydraulically operated	Wet multi-disc clutch, hydraulically operated
ENGINE MANAGEMENT	Keihin	Keihin

CHASSIS

FRAME	Double cradle perimeter design 25CrMo4	Double cradle perimeter design 25CrMo4
SUBFRAME	Cross-linked Polyethylene	Cross-linked Polyethylene
HANDLEBAR	Renthal, Aluminium Ø 28 / 22 mm	Magura, Aluminium Ø 28 / 22 mm
FRONT SUSPENSION	WP-USD Ø 48 mm	WP-USD Ø 48 mm
REAR SUSPENSION	WP-PDS shock absorber	WP-PDS shock absorber
SUSP. TRAVEL FRONT / REAR	300 / 335 mm	280 / 310 mm
FRONT / REAR BRAKES	Disc brake Ø 260 / 220 mm	Disc brake Ø 320 / 220 mm
FRONT / REAR RIMS	1.60 x 21"; 2.15 x 19" DID	3.50 x 17"; 4.25 x 17" TUBELESS
FRONT / REAR TIRES	80 / 100-21"; 110 / 90-19"	120 / 70-21"; 150 / 60-17"
CHAIN	Chain 5/8 x 1/4"	Chain 5/8 x 1/4"
SILENCER	Aluminium	Aluminium
STEERING HEAD ANGLE	63.5°	63.5°
WHEEL BASE	1,475 +/- 10 mm	1,475 +/- 10 mm
GROUND CLEARANCE	390 mm	300 mm
SEAT HEIGHT	985 mm	895 mm
TANK CAPACITY	approx. 8.5 litres	approx. 8.5 litres
WEIGHT (READY TO RACE)	approx. 113.5 kg (without fuel)	approx. 117 kg (without fuel)

TECHNICAL

DATA

SWEDEN COMPETITION INNOVATION RIDEABILITY UNDERSTATEMENT

