

<b>MY23 Motocross</b>	<b>TC 125</b>	<b>TC 250</b>	<b>FC 250</b>	<b>FC 350</b>	<b>FC 450</b>
<b>ENGINE</b>					
Engine type	Single cylinder, 2-stroke	Single cylinder, 2-stroke	Single cylinder, 4-stroke	Single cylinder, 4-stroke	Single cylinder, 4-stroke
Displacement	124.8 cc	249 cc	249.9 cc	349.7 cc	449.9 ccm
Bore/stroke	54/54.5 mm	66.4/72 mm	81/48.5 mm	88/57.5 mm	95/63.4 mm
Compression ratio	-	-	14.5:1	14.6:1	13.1:1
Starter/battery	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah
Transmission	6 gears	5 gears	5 gears	5 gears	5 gears
Fuel system	Keihin EFI, throttle body Ø 39 mm	Keihin EFI, throttle body Ø 39 mm	Keihin EFI, throttle body Ø 44 mm	Keihin EFI, throttle body 44 mm	Keihin EFI, throttle body 44 mm
Control	Electronic exhaust control	Electronic exhaust control	4 V / DOHC with finger followers	4 V / DOHC with finger followers	4 V / SOHC with rocker levers
Lubrication	Mixture oil lubrication 1:40	Mixture oil lubrication 1:60	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
Gear ratios	14:32 15:30 17:28 19:27 19:23 22:24	14:28 16:26 18:24 21:24 22:21 -	13:32 16:32 17:28 19:26 21:25 -	14:28 16:26 18:24 21:24 22:21 -	14:28 16:26 18:24 21:24 22:21 -
Primary ratio	23:73	26:72	24:72	24:72	29:72
Final drive	13:51	14:49	14:52	14:52	13:51
Cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling
Clutch	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DDS-clutch, Brembo hydraulics	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DDS-clutch, Brembo hydraulics
Ignition / Engine Management	Vitesco Technologies EMS	Vitesco Technologies EMS	Keihin EMS	Keihin EMS	Keihin EMS
<b>CHASSIS</b>					
Frame	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel
Subframe	Aluminium reinforced Polyamide	Aluminium reinforced Polyamide	Aluminium reinforced Polyamide	Aluminium reinforced Polyamide	Aluminium reinforced Polyamide
Handlebar	ProTaper, Aluminium Ø 28/22 mm	ProTaper, Aluminium Ø 28/22 mm	ProTaper, Aluminium Ø 28/22 mm	ProTaper, Aluminium Ø 28/22 mm	ProTaper, Aluminium Ø 28/22 mm
Front suspension	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm
Rear suspension	WP XACT monoshock with linkage	WP XACT monoshock with linkage	WP XACT monoshock with linkage	WP XACT monoshock with linkage	WP XACT monoshock with linkage
Suspension travel front/rear	305/293 mm	305/293 mm	305/293 mm	305/293 mm	305/293 mm
Front/rear brakes	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo
Front/rear rims	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID
Front/rear tyres	80/100-21"; 100/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33
Chain	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"
Silencer	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Steering head angle	63.9°	63,9°	63.9°	63.9°	63.9°
Triple clamp offset	22 mm	22 mm	22 mm	22 mm	22 mm
Wheel base	1,490 ± 10 mm	1,490 ± 10 mm	1,490 ± 10 mm	1,490 ± 10 mm	1,490 ± 10 mm
Ground clearance	350 mm	346 mm	336 mm	336 mm	336 mm
Seat height	939 mm	939 mm	939 mm	939 mm	939 mm
Tank capacity, approx.	7,2 l	7,2 l	7,2 l	7,2 l	7,2 l
Weight without fuel, approx.	92,6 kg	99,6 kg	101,2 kg	102 kg	102,8 kg

<b>MY23 Motocross</b>	<b>TC 125</b>	<b>TC 250</b>	<b>FC 250</b>	<b>FC 350</b>	<b>FC 450</b>
<b>ENGINE</b>					
Engine type	Single cylinder, 2-stroke	Single cylinder, 2-stroke	Single cylinder, 4-stroke	Single cylinder, 4-stroke	Single cylinder, 4-stroke
Displacement	124.8 cc	249 cc	249.9 cc	349.7 cc	449.9 ccm
Bore/stroke	54/54.5 mm	66.4/72 mm	81/48.5 mm	88/57.5 mm	95/63.4 mm
Compression ratio	-	-	14.5:1	14.6:1	13.1:1
Starter/battery	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah
Transmission	6 gears	5 gears	5 gears	5 gears	5 gears
Fuel system	Keihin EFI, throttle body Ø 39 mm	Keihin EFI, throttle body Ø 39 mm	Keihin EFI, throttle body 44 mm	Keihin EFI, throttle body 44 mm	Keihin EFI, throttle body 44 mm
Control	Electronic exhaust control	Electronic exhaust control	4 V / DOHC with finger followers	4 V / DOHC with finger followers	4 V / SOHC with rocker levers
Lubrication	Mixture oil lubrication 1:40	Mixture oil lubrication 1:60	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
Gear ratios	14:32 15:30 17:28 19:27 19:23 22:24	14:28 16:26 18:24 21:24 22:21 -	13:32 16:32 17:28 19:26 21:25 -	14:28 16:26 18:24 21:24 22:21 -	14:28 16:26 18:24 21:24 22:21 -
Primary ratio	23:73	26:72	24:72	24:72	29:72
Final drive	13:51	14:49	14:51	14:52	13:51
Cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling
Clutch	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DDS-clutch, Brembo hydraulics	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DDS-clutch, Brembo hydraulics
Ignition / Engine Management	Vitesco Technologies EMS	Vitesco Technologies EMS	Keihin EMS	Keihin EMS	Keihin EMS
<b>CHASSIS</b>					
Frame	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel
Subframe	Aluminum reinforced Polyamide	Aluminum reinforced Polyamide	Aluminum reinforced Polyamide	Aluminum reinforced Polyamide	Aluminum reinforced Polyamide
Handlebar	ProTaper, Aluminum Ø 28/22 mm	ProTaper, Aluminum Ø 28/22 mm	ProTaper, Aluminum Ø 28/22 mm	ProTaper, Aluminum Ø 28/22 mm	ProTaper, Aluminum Ø 28/22 mm
Front suspension	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm
Rear suspension	WP XACT monoshock with linkage	WP XACT monoshock with linkage	WP XACT monoshock with linkage	WP XACT monoshock with linkage	WP XACT monoshock with linkage
Suspension travel front/rear	305/293 mm	305/293 mm	305/293 mm	305/293 mm	305/293 mm
Front/rear brakes	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo
Front/rear rims	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID	1.60 x 21"; 2.15 x 19" DID
Front/rear tires	80/100-21"; 100/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33	80/100-21"; 110/90-19" DUNLOP MX33	80/100-21"; 120/90-19" DUNLOP MX33
Chain	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"
Silencer	Aluminum	Aluminum	Aluminum	Aluminium	Aluminum
Steering head angle	63.9°	63,9°	63.9°	63.9°	63.9°
Triple clamp offset	22 mm	22 mm	22 mm	22 mm	22 mm
Wheel base	1,490 ± 10 mm	1,490 ± 10 mm	1,490 ± 10 mm	1,490 ± 10 mm	1,490 ± 10 mm
Ground clearance	350 mm	346 mm	336 mm	336 mm	336 mm
Seat height	939 mm	939 mm	939 mm	939 mm	939 mm
Tank capacity, approx.	7,2 l	7,2 l	7,2 l	7,2 l	7,2 l
Weight without fuel, approx.	92,6 kg	99,6 kg	101,2 kg	102 kg	102,8 kg

<b>MY23 TX/FX</b>	<b>TX 300</b>	<b>FX 350</b>	<b>FX 450</b>
<b>ENGINE</b>			
Engine type	Single cylinder, 2-stroke	Single cylinder, 4-stroke	Single cylinder, 4-stroke
Displacement	293.2 cc	349.7 cc	449.9 ccm
Bore/stroke	72/72 mm	88/57.5 mm	95/63.4 mm
Compression ratio	-	14.6:1	13.1:1
Starter/battery	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah	Electric starter / Lithium Ion 12,8V 2Ah
Transmission	6 gears	6 gears	5 gears
Fuel system	Keihin EFI, throttle body Ø 39 mm	Keihin EFI, throttle body Ø 44 mm	Keihin EFI, throttle body Ø 44 mm
Control	Electronic exhaust control	4 V / DOHC with finger followers	4 V / SOHC with rocker levers
Lubrication	Mixture oil lubrication 1:60	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
Gear ratios	13:33 16:30 18:26 22:26 23:23 26:22	13:33 16:30 18:26 22:26 23:23 26:22	14:28 16:26 18:24 21:24 22:21 -
Primary ratio	26:72	24:72	29:72
Final drive	14:49	14:47	13:52
Cooling	Liquid cooling	Liquid cooling	Liquid cooling
Clutch	Wet multi-disc DDS-clutch, Brembo hydraulics	Wet multi-disc DS-clutch, Brembo hydraulics	Wet multi-disc DDS-clutch, Brembo hydraulics
Ignition / Engine Management	Vitesco Technologies EMS	Keihin EMS	Keihin EMS
<b>CHASSIS</b>			
Frame	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel	Central double-cradle-type 25CrMo4 steel
Subframe	Aluminium reinforced Polyamide	Aluminium reinforced Polyamide	Aluminium reinforced Polyamide
Handlebar	ProTaper, Aluminium Ø 28/22 mm	ProTaper, Aluminium Ø 28/22 mm	Pro Taper, Aluminium Ø 28/22 mm
Front suspension	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm	WP XACT-USD, Ø 48 mm
Rear suspension	WP XACT Monoshock with linkage	WP XACT Monoshock with linkage	WP XACT Monoshock with linkage
Suspension travel front/rear	305/293 mm	305/293 mm	305/293 mm
Front/rear brakes	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo	Disc brake Ø 260/220 mm Brembo
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 tyres	80/100-21" DUNLOP MX33; 110/100-18" DUNLOP AT81	80/100-21" DUNLOP MX33; 110/100-18" DUNLOP AT81	80/100-21" DUNLOP MX33; 110/100-18" DUNLOP AT81
Chain	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"	520 X Ring 5/8 x 1/4"
Silencer	Aluminium	Aluminium	Aluminium
Steering head angle	63,9°	63.9°	63.9°
Triple clamp offset	22 mm	22 mm	22 mm
Wheel base	1,493 ± 10 mm	1,493 ± 10 mm	1,493 ± 10 mm
Ground clearance	354 mm	343 mm	343 mm
Seat height	948 mm	948 mm	948 mm
Tank capacity, approx.	8,5 l	8,5 l	8,5 l
Weight without fuel, approx.	100,3 kg	102,7 kg	103,5 kg