

TECHNICAL DATA



KTM 125 SX



KTM 150 SX



KTM 250 SX

ENGINE	
ENGINE TYPE	Single cylinder, 2-stroke
DISPLACEMENT	124.8 cc
BORE / STROKE	54/54.5 mm
COMPRESSION RATIO	-
STARTER / BATTERY	Kickstarter
TRANSMISSION	6 gears
FUEL SYSTEM	Mikuni TX 38
CONTROL	Exhaust control
LUBRICATION	Mixture oil lubrication 1:40
GEAR RATIOS	14:32 15:30 17:28 19:27 19:23 22:24
PRIMARY RATIO	23:73
FINAL DRIVE	13:51
COOLING	Liquid cooling
CLUTCH	Wet multi-disc DS-clutch, Brembo hydraulics
IGNITION / ENGINE MANAGEMENT SYSTEM	Kokusan

CHASSIS	
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Aluminum
HANDLEBAR	Neken, Aluminum Ø 28/22 mm
FRONT SUSPENSION	XACT 48 WP-USD fork, Ø 48 mm
REAR SUSPENSION	XACT WP-Monoshock with linkage
SUSPENSION TRAVEL FRONT / REAR	310/300 mm
FRONT / REAR BRAKES	Disc brake 260/220 mm
FRONT / REAR RIMS	1.60 x 21"; 2.15 x 19" Excel
FRONT / REAR TIRES	80/100-21"; 100/90-19"
CHAIN	5/8 x 1/4"
MUFFLER	Aluminum
STEERING HEAD ANGLE	63.9°
TRIPLE CLAMP OFFSET	22 mm
WHEEL BASE	1.485 ± 10 mm
GROUND CLEARANCE	375 mm
SEAT HEIGHT	950 mm
FUEL TANK CAPACITY, APPROX.	7,5 l
WEIGHT, READY TO RACE WITHOUT FUEL, APPROX.	87,5 kg



KTM 250 SX-F



KTM 350 SX-F



KTM 450 SX-F

ENGINE	
ENGINE TYPE	Single cylinder, 4-stroke
DISPLACEMENT	249.9 cc
BORE / STROKE	78/52.3 mm
COMPRESSION RATIO	14.4:1
STARTER / BATTERY	Electric starter / Lithium Ion 12,8V 2 Ah
TRANSMISSION	5 gears
FUEL SYSTEM	Keihin EFI, throttle body 44 mm
CONTROL	4 V / DOHC with finger followers
LUBRICATION	Pressure lubrication with 2 oil pumps
GEAR RATIOS	13:32 16:32 17:28 19:26 21:25 -
PRIMARY RATIO	24:73
FINAL DRIVE	14:51
COOLING	Liquid cooling
CLUTCH	Wet multi-disc DS-clutch, Brembo hydraulics
IGNITION / ENGINE MANAGEMENT SYSTEM	Keihin EMS

CHASSIS	
FRAME	Central double-cradle-type 25CrMo4 steel
SUBFRAME	Aluminum
HANDLEBAR	Neken, Aluminum Ø 28/22 mm
FRONT SUSPENSION	XACT 48 WP-USD fork, Ø 48 mm
REAR SUSPENSION	XACT WP-Monoshock with linkage
SUSPENSION TRAVEL FRONT / REAR	310/300 mm
FRONT / REAR BRAKES	Disc brake 260/220 mm
FRONT / REAR RIMS	1.60 x 21"; 2.15 x 19" Excel
FRONT / REAR TIRES	80/100-21"; 110/90-19"
CHAIN	5/8 x 1/4"
MUFFLER	Aluminum
STEERING HEAD ANGLE	63.9°
TRIPLE CLAMP OFFSET	22 mm
WHEEL BASE	1.485 ± 10 mm
GROUND CLEARANCE	370 mm
SEAT HEIGHT	950 mm
FUEL TANK CAPACITY, APPROX.	7 l
WEIGHT, READY TO RACE WITHOUT FUEL, APPROX.	99,5 kg

TECHNICAL DATA



KTM SX-E 5

ENGINE	
ELECTRIC MOTOR	48 V - BLDC motor with outer rotor
RATED OUTPUT	2 kW / 3,200 rpm
MAXIMUM POWER	5 kW / 3,900 rpm
TORQUE	13,8 Nm from 0 rpm
MAXIMUM MOTOR SPEED	6,000 rpm
PRIMARY DRIVE	-
FINAL DRIVE	8:46
COOLING SYSTEM	Air cooled
KTM POWERPACK	Lithium-Ion KTM PowerPack
CAPACITY / ENERGY	21Ah/907 Wh
CHARGING TIME 100%	70 minutes
CHARGING TIME 80%	45 minutes
CHARGER LINE VOLTAGE	80-240V/ 50-60 Hz
CHARGING INPUT	Quick charging 5 A @ 230 V (AC)
CHARGING POWER	900 W

CHASSIS

FRAME	Double grinded central double-cradle-type frame
SUBFRAME	Fibreglass-reinforced plastic
HANDLEBAR	Tapered aluminum Ø 28/22/18 mm
FRONT SUSPENSION	XACT 35 WP Upside-Down fork, Ø 35 mm
REAR SUSPENSION	XACT WP mono shock
SUSPENSION TRAVEL FRONT/REAR	205/185 mm
FRONT BRAKE	Disc brake Ø 160 mm
REAR BRAKE	Disc brake Ø 160 mm
FRONT/REAR RIMS	1.50 x 12"; 1.60 x 10" Alu
FRONT/REAR TIRES	60/100 x 12"; 2.75 x 10"
CHAIN	1/2 x 3/16"
STEERING HEAD ANGLE	66°
TRIPLE CLAMP OFFSET	22 mm
WHEEL BASE	1,032 mm ± 10 mm
GROUND CLEARANCE	252 mm
SEAT HEIGHT	665 mm
WEIGHT	approx. 40.5 kg



KTM 50 SX

(SX MINI / SX)

Single cylinder, 2-stroke
49 cc
39,5/40 mm
Kickstarter
Dell'Orto PHVA 12 XS / Dell'Orto PHBG 19 BS
-
Separate lubrication / 1:60
Dextron III "" Motorex ATF 3"
Single gear automatic
14:31
33:61
10:42 / 11:40
Liquid cooling
Centrifugal clutch (adjustable)
Selettra 2p D36



KTM 65 SX

Single cylinder, 2-stroke
64,9 cc
45/40,8 mm
Kickstarter
Mikuni VM 24
Slide valve, exhaust gas pressure dependent
Mixture lubrication 1:60
Motorex Topspeed 4T 15W50
6 gears
13:37 16:34 18:31 21:30 23:28 24:26
23:75
14:48
Liquid cooling
Wet multi-disc clutch, Formula hydraulics
AET digital



KTM 85 SX

(17" / 14" // 19" / 16")

Single cylinder, 2-stroke
84,9 cc
47/48,95 mm
Kickstarter
Keihin PWK 28
Exhaust flap (rpm dependent)
Mixture lubrication 1:40
Motorex Topspeed 4T 15W50
6 gears
11:29 14:28 16:26 19:26 21:25 20:21
20:64
13:46 // 13:49
Liquid cooling (0.8L)
Wet multi-disc clutch, Formula hydraulics
MEDJ digital

Double grinded central double-cradle-type frame
Steel
Tapered aluminum Ø 28/22/18 mm
XACT 35 WP Upside-Down fork, Ø 35 mm
XACT WP mono shock
100/147 mm / 205/185 mm
Disc brake Ø 160 mm
Disc brake Ø 160 mm
1.60 x 10"; 1.60 x 10" Alu / 1.50 x 12"; 1.60 x 10" Alu
2.50 x 10"; 2.75 x 10" / 60/100 x 12"; 2.75 x 10"
1/2 x 3/16"
1/2 x 1/4"
Aluminum
67,4° / 66°
22 mm
914 mm ± 10 mm / 1,032 mm ± 10 mm
184 mm / 252 mm
558 mm / 665 mm
ca. 2,1 Liter / ca. 2,3 Liter
approx. 40 kg (without fuel) / approx. 41.5 kg (without fuel)

Double grinded central double-cradle-type frame
Aluminum
Tapered Aluminum, Ø 28/22 mm
XACT 35 WP Upside-Down fork, Ø 35 mm
XACT WP mono shock
215/270 mm
Disc brake Ø 198 mm
Disc brake Ø 160 mm
1.60 x 14"; 1.60 x 12" Alu
60/100 x 14"; 80/100 x 12"
1/2 x 1/4"
Aluminum
64,5°
22 mm
1,137 mm ± 10 mm
280 mm
750 mm
ca. 3.5 Liter (SX/MC) / 3,7 Liter (TC)
approx. 53 kg (without fuel)

Double grinded central double-cradle-type frame
Aluminum
Tapered Aluminum, Ø 28/22 mm
XACT 43 WP Upside-Down fork, Ø 43 mm
XACT WP PDS mono shock
278/305 mm
Disc brake Ø 240 mm
Disc brake Ø 220 mm
1.40 x 17"; 1.60 x 14" Alu // 1.60 x 19"; 1.85 x 16" Alu
70/100 x 17"; 90/100 x 14" // 70/100 x 19"; 90/100 x 16"
1/2 x 5/16"
Aluminum
66°
14 mm
1,290 mm ± 10 mm
336 mm // 362 mm
865 mm (SX/MC) / 850 mm (TC) // 890 mm (SX/MC) / 875 mm (TC)
ca. 5.2 Liter
approx. 67 kg / 68 kg (without fuel)