

99888-0507-01

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DIMENSIONS

Overall Length:	
KX85E	1 835 mm (72.24 in.)
KX85F	1 935 mm (76.18 in.)
Overall Width	800 mm (31.5 in.)
Overall Height:	
KX85E	1 115 mm (43.90 in.)
KX85F	1 165 mm (45.87 in.)
Wheelbase:	
KX85E	1 265 mm (49.80 in.)
KX85F	1 310 mm (51.57 in.)
Ground Clearance:	
KX85E	295 mm (11.6 in.)
KX85F	330 mm (13.0 in.)
Curb Mass:	
KX85E	76.4 kg (168 lb)
KX85F	78.2 kg (172 lb)
Fuel Tank Capacity	5.0 L (1.3 US gal)

ENGINE

Type	2-stroke, single-cylinder, piston reed valve, liquid-cooled
Bore × Stroke	48.5 × 45.8 mm (1.91 × 1.80 in.)
Displacement	84 cm ³ (5.1 cu in.)
Compression Ratio:	
Low Speed	10.9:1
High Speed	9.0:1
Port Timing:	
Intake:	
Open	Full Open
Closed	—
Scavenging:	
Open	63.8° BBDC
Closed	63.8° ABDC
Exhaust:	
Open	(Low Speed) 79° BBDC (High Speed) 93.6° BBDC
Closed	(Low Speed) 79° ABDC (High Speed) 93.6° ABDC
Fuel System	Carburetor, KEIHIN PWK28
Starting System	Primary Kick
Ignition System	CDI
Ignition Timing	12° BTDC @11 320 r/min (rpm)
Lubrication System	PETROL MIX (32:1)
Spark Plug	NGK R6252K-105
Spark Plug Terminal	Solid-Post

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TRANSMISSION

Transmission Type	6-speed, Constant Mesh, Return Shift
Clutch Type	Wet, Multi Disc
Drive system	Chain Drive
Gear Ratios:	
1st	2.538 (33/13)
2nd	1.875 (30/16)
3rd	1.500 (27/18)
4th	1.250 (25/20)
5th	1.090 (24/22)
6th	0.956 (22/23)
Primary Reduction Ratio	3.400 (68/20)
Final Reduction Ratio	3.643 (51/14)
Overall Drive Ratio	11.847 (Top Gear)
Transmission Oil:	
Grade	API SG, SH, SJ, SL or SM with JASO MA, MA1 or MA2
Viscosity	SAE 10W-40
Amount	0.7 L (0.74 US qt)

FRAME

Type	Tubular, semi-double cradle
Steering Angle	39° to Either Side
Caster	29.2°
Trail:	
KX85E	103 mm (4.06 in.)
KX85F	117 mm (4.61 in.)
Tire Size/Type:	
KX85E:	
Front	70/100-17 40M, DUNLOP MX34F
Rear	90/100-14 49M, DUNLOP MX34
KX85F:	
Front	70/100-19 42M, DUNLOP MX34F
Rear	90/100-16 51M, DUNLOP MX34
Rim Size:	
KX85E:	
Front	17 × 1.40
Rear	14 × 1.60
KX85F:	
Front	19 × 1.40
Rear	16 × 1.85
Suspension:	
Front	Telescopic fork (upside-down)
Rear	Uni-trak® swingarm
Front Suspension Travel	275 mm (10.8 in.)

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Rear Wheel Travel:	
KX85E	275 mm (10.8 in.)
KX85F	305 mm (12.0 in.)
Front Fork Oil:	
Type	Kawasaki Fork Oil 00M01
Amount	490 – 498 mL (16.6 – 16.8 US oz)

BRAKES

Type (Front & Rear)	Single Disc
Brake Fluid Grade (Front & Rear)	DOT4

Specifications are subject to change without notice.