

2010 Husqvarna SM 630 Technical Data

DIMENSIONS, WEIGHT, CAPACITIES

Wheelbase	1495mm / 58.86 in.
Overall length.....	2170mm / 85.43 in
Overall width	840mm / 33.07 in
Overall height.....	1190mm / 46.85 in
Seat height.....	910mm / 35.83 in
Min. ground clearance	240mm / 9.45 in
Trail.....	83mm / 3.27 in
Dry weight	158Kg / 348.3 lbs.
Fuel tank capacity	12L / 3.17 U.S. gallons
Transmission oil	2L / 2.11 U.S. quarts

ENGINE

Type	single cylinder, 4-stroke, 4V DOHC
Bore	100mm / 3.94 in
Stroke	76.4 mm / 3.01 in
Displacement	600cc / 36.6 in
Compression ratio	12.4:1
Starting	electric
Cooling.....	liquid-cooled
Radiator	two with electric fan

TIMING SYSTEM

Lubrication.....	wet-sump with oil pump & cartridge filter
Ignition.....	electronic, inductive discharge, w/digital control
Spark plug type.....	NGK CR8EB
Spark plug gap.....	0.7-0.8mm / 0.027-0.031 in
Fuel system.....	electronic injection feed
Throttle body.....	MIKUNI D45
Clutch Type	wet, multiplate; hydraulic actuated
Driving disc no.....	8
Driven disc no.....	7

PRIMARY DRIVE

Engine sprocket	32T
Clutch gear.....	75T
Transmission ratio	2.343
Transmission type.....	constant mesh gear type
Speeds.....	6

INTERNAL RATIOS

.....	1st 2,615 (34/13)
.....	2nd 1,812 (29/16)
.....	3rd 1,350 (27/20)
.....	4th 1,091 (24/22)
.....	5th 0,916 (22/24)
.....	6th 0,769 (20/26)

SECONDARY DRIVE

Transmission sprocket.....	15T
Rear wheel sprocket.....	38T
Transmission ratio	2,533
Driving chain.....	DID 520 V6 (5/8" x 1/4")

OVERALL RATIOS

.....	1st 15,528
.....	2nd 10,762
.....	3rd 8,016
.....	4th 6,477
.....	5th 5,443
.....	6th 4,567

CHASSIS

Main frame.....	steel single tube cradle
Sub-frame.....	aluminum
Front suspension	45mm Marzocchi Upside-Down" fork with advanced axle; rebound stroke adjustment
Front wheel travel.....	250mm / 8.84 in
Rear suspension	progressive "Soft Damp" type with single SACHS shock absorber; spring preload adjust, compression and rebound adjustment (compression stroke: double adjustment)
Rear wheel travel	290 mm / 11.42 in
Front brake.....	disc with hydraulic control and floating caliper
Front disc diameter	320mm / 12.6 in
Rear brake.....	Fixed disc with hydraulic control and floating caliper
Rear brake disc diameter	220mm / 9.45 in
Front wheel rim	3.50 x 17 aluminum
Rear wheel rim.....	4.25 x 17 aluminum
Front tire	120/70-17 PIRELLI 58HT Diablo / Dunlop ZR
Rear tire	150/60-17 PIRELLI 66H Diablo / Dunlop ZR
Electrical system.....	12 V
Head light	60 / 55 W
Pilot light	5 W
Tail light	LED
Stop light	21 W
Turn signals	10 W
Battery	12 V-14Ah