

SPECIFICATIONS



Model	S70	S450	S510	S590	S650
PERFORMANCE	Rated Operating Capacity (ROC) (35% of tipping load)	—	—	—	—
	ROC (50% of tipping load)	760 lb. (344 kg)	1370 lb. (621 kg)	1876 lb. (851 kg)	2000 lb. (907 kg)
	ROC With (optional 200 lb., 90 kg) Counterweight	—	1430 lb. (649 kg)	2023 lb. (917 kg)	2150 lb. (975 kg)
	Tipping Load	1520 lb. (689 kg)	2740 lb. (1243 kg)	3754 lb. (1702 kg)	4202 lb. (1906 kg)
	Height to Bucket Hinge Pin	94.5 in. (2400 mm)	109.5 in. (2781 mm)	114.5 in. (2908 mm)	119.0 in. (3023 mm)
	Lift Arm Path	Radius	Radius	Radius	Vertical
SIZE AND SPEED	Operating Weight	2892 lb. (1312 kg)	5370 lb. (2436 kg)	6208 lb. (2816 kg)	6765 lb. (3069 kg)
	Width With Bucket	36.0 in. (914 mm)	62.0 in. (1575 mm)	68.0 in. (1727 mm)	68.0 in. (1727 mm)
	Height With Cab	71.4 in. (1814 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)
	Travel Speed - Low Range	6.3 mph (10.1 km/hr.)	7.6 mph (12.3 km/hr.)	7.6 mph (12.3 km/hr.)	7.0 mph (11.2 km/hr.)
	Travel Speed - High Range (optional 2-Speed travel)	—	9.2 mph (14.8 km/hr.)	11.0 mph (17.3 km/hr.)	11.4 mph (18.4 km/hr.)
ENGINE	Emissions Tier (EPA)	Tier 4	Tier 4	Tier 4	Tier 4
	Horsepower	23.5 hp (17.5 kW)	49.0 hp (36.5 kW)	55.0 hp (41.0 kW)	68.0 hp (50.7 kW)
	Type	Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel
	Fuel Tank Capacity	6.5 gal. (24.6 L)	14.2 gal. (53.8 L)	24.8 gal. (93.7 L)	24.8 gal. (93.7 L)
	Horsepower Management	—	Included with SJC Option	Included with SJC Option	Included with SJC Option
TIRES	Bobcat Heavy Duty	—	Std	Std	Std
	Bobcat Standard Duty	Std	—	—	Opt (Parts)
	Bobcat Superfloat Duty	—	—	—	Std
TRACKS/ UNDERCARRIAGE	Track Width - Standard	—	—	—	—
	Track Width - Optional	—	—	—	—
	Ground Pressure (with standard tracks)	—	—	—	—
	Ground Pressure (with optional tracks)	—	—	—	—
	Length of Track on Ground	—	—	—	—
	Roller Suspension Undercarriage	—	—	—	—
	Grease Cylinder Track Tensioning	—	—	—	—
CONTROL OPTIONS	Bobcat Standard (foot pedals/steering levers)	Std	Std	Std	Std
	Selectable Joystick Controls (SJC)	—	Opt	Opt	Opt
	Radio Remote Control (SJC required)	—	Opt	Opt	Opt
MACHINE FEATURES	2-Speed Travel	—	Opt	Std	Std
	Automatic Ride Control	—	—	Opt	Opt
	Back-Up Alarm and Horn	Std	Std	Std	Std
	Bobcat Interlock Control System (BICS™)	Std	Std	Std	Std
	Cab With Heat	Opt	—*	—	—
	Cab With Heat and Air Conditioning	—	Opt	Opt	Opt
	Heated Cloth Air-Ride Seat	—	—*	—*	Opt (Parts)
	Hydraulic Bucket Positioning	—	—*	Opt	Opt
	Front and Rear Work Lights	Std	Std	Std	Std
	Mechanical Suspension Seat	Std	Std	Std	Std
	Radio	—	—*	—*	—*
	Reversing Fan	—	—	—*	—*
	ROPS/FOPS Approved Cab Structure	Std	Std	Std	Std
	Deluxe Instrumentation	—	—*	—*	—
	Side Lighting Kit	—	—	—*	Opt
FEATURES FOR ATTACHMENTS	Sound Reduction Package	Opt	—*	—*	—*
	Attachment Control	—*	Opt	Opt	Opt
	Bob-Tach Mounting System	Std	Std	Std	Std
	Power Bob-Tach System	—	Opt	Opt	Opt
	Fingertip Auxiliary Hydraulics Control	—	Std	Std	Std
	Hydraulic System Pressure	3000 psi (20.6 MPa)	3300 psi (22.7 MPa)	3550 psi (24.4 MPa)	3500 psi (24.1 MPa)
	Hydraulic Standard Flow	9.8 gpm (37.1 L/min.)	16.7 gpm (63.2 L/min.)	17.1 gpm (64.7 L/min.)	23.0 gpm (87.0 L/min.)
	Hydraulic High Flow	—	—	—	26.7 gpm (101.0 L/min.)**
	Pressure Release Hydraulic Quick Couplers	—	Std	Std	Std
	Speed Management	—	Included with SJC Option	Included with SJC Option	Included with SJC Option

*Ask your Bobcat dealer about installing this option. | **Optional



S770	T450	T550	T595	T650	T740	T770
—	1490 lb. (676 kg)	1995 lb. (905 kg)	2100 lb. (952 kg)	2570 lb. (1165 kg)	3200 in. (1451 mm)	3475 lb. (1576 kg)
3350 lb. (1520 kg)	2120 lb. (962 kg)	2850 lb. (1293 kg)	3000 lb. (1360 kg)	3670 lb. (1664 kg)	4571 lb. (2073 kg)	4960 lb. (2250 kg)
3500 lb. (1588 kg)	1656 lb. (745 kg)	2095 lb. (950 kg)	2200 lb. (997 kg)	2670 lb. (1211 kg)	3300 lb. (1497 kg)	3575 lb. (1622 kg)
6700 lb. (3039 kg)	4257 lb. (1931 kg)	5792 lb. (2627 kg)	6000 lb. (2721 kg)	7343 lb. (3330 kg)	9143 lb. (4147 kg)	9929 lb. (4504 kg)
131.4 in. (3338 mm)	109.5 in. (2781 mm)	114.5 in. (2908 mm)	119.0 in. (3023 mm)	124.0 in. (3149 mm)	131.4 in. (3338 mm)	131.4 in. (3338 mm)
Vertical	Radius	Radius	Vertical	Vertical	Vertical	Vertical
9314 lb. (4225 kg)	6424 lb. (2914 kg)	7557 lb. (3428 kg)	7822 lb. (3548 kg)	9113 lb. (4133 kg)	10,127 lb. (4594 kg)	10,515 lb. (4770 kg)
74.0 in. (1880 mm)	56.0 in. (1422 mm)	68.0 in. (1727 mm)	68.0 in. (1727 mm)	74.0 in. (1880 mm)	80.0 in. (2032 mm)	80.0 in. (2032 mm)
81.3 in. (2065 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	81.3 in. (2065 mm)	81.3 in. (2065 mm)	81.3 in. (2065 mm)
7.1 mph (11.4 km/hr.)	6.9 mph (11.2 km/hr.)	7.1 mph (11.4 km/hr.)	7.1 mph (11.4 km/hr.)	6.2 mph (9.9 km/hr.)	6.0 mph (9.7 km/hr.)	6.6 mph (10.6 km/hr.)
12.3 mph (19.8 km/hr.)	—	—	10.4 mph (16.7 km/hr.)	10.0 mph (16.0 km/hr.)	8.3 mph (13.4 km/hr.)	10.7 mph (17.2 km/hr.)
Tier 4	Tier 4	Tier 4	Tier 4	Tier 4	Tier 4	Tier 4
92.0 hp (68.6 kW)	55.0 hp (41.0 kW)	68.0 hp (50.7 kW)	70.0 hp (52.2 kW)	74.0 hp (55.1 kW)	74.0 hp (55.2 kW)	92.0 hp (68.6 kW)
Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel
23.9 gal. (90.5 L)	16.7 gal. (63.2 L)	36.5 gal. (138.2 L)	36.5 gal. (138.2 L)	23.9 gal. (90.5 L)	43.8 gal. (165.8 L)	43.8 gal. (165.8 L)
Included with SJC Option	Included with SJC Option	Included with SJC Option	Included	Included with SJC Option	Std	Included with SJC Option
Std	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	11.8 in. (300 mm)	12.6 in. (320 mm)	12.6 in. (320 mm)	12.6 in. (320 mm)	17.7 in. (450 mm)	17.7 in. (450 mm)
—	—	15.7 in. (400 mm)	15.7 in. (400 mm)	17.7 in. (447 mm) (Parts)	—	15.7 in. (398 mm) (Parts)
—	4.8 psi (0.33 bar)	4.9 psi (0.34 bar)	5.1 psi (0.35 bar)	5.7 psi (0.39 bar)	4.1 psi (0.28 bar)	4.2 psi (0.29 bar)
—	—	4.0 psi (0.27 bar)	4.1 psi (0.28 bar)	4.1 psi (0.28 bar)	—	—
—	50.2 in. (1275 mm)	54.1 in. (1374 mm)	54.1 in. (1374 mm)	57.7 in. (1466 mm)	63.7 in. (1618 mm)	63.7 in. (1618 mm)
—	—	—	—	—	—	Opt
—	Std	Std	Std	Std	Std	Std
Std	Std	Std	Std	Std	—	Std
Opt	Opt	Opt	Opt	Opt	Std	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Opt	—	—	Opt	Opt	Opt
Opt	—	—*	—*	—*	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Std	Std	Std	Std	Std	Std	Std
Opt	—	—	—	—	—	—
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Opt	—*	—*	—*	Opt (Parts)	Opt	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Std	Std	Std	Std	Std	Std	Std
—*	—*	—*	—*	—*	Opt	Opt
Opt	—	—*	—*	—*	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Opt	—*	—*	—*	—	Opt	Opt
Opt	—	—*	—*	Opt	Opt	Opt
—*	—*	—*	—*	—*	Opt	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
3500 psi (24.1 MPa)	3300 psi (22.7 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)
23.0 gpm (87.1 L/min.)	16.7 gpm (63.2 L/min.)	17.1 gpm (64.7 L/min.)	17.1 gpm (64.7 L/min.)	23.0 gpm (87.0 L/min.)	23.0 gpm (87.1 L/min.)	23.0 gpm (87.1 L/min.)
36.6 gpm (138.5 L/min.)**	—	—	26.7 gpm (101.0 L/min.)**	30.5 gpm (115.5 L/min.)**	30.5 gpm (115.5 L/min.)**	36.6 gpm (138.5 L/min.)**
Std	Std	Std	Std	Std	Std	Std
Included with SJC Option	Included with SJC Option	Included with SJC Option	Included with SJC Option	Included with SJC Option	Std	Included with SJC Option