

# Lifting capacities

## STANDARD DIPPERSTICK, STANDARD COUNTERWEIGHT

RATED LIFT CAPACITY OVER BLADE, BLADE DOWN					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3230	542*		491*	
2000	3840	556*		564*	
1000	4030	595*		782*	596*
Ground	3880	639*	1758*	933*	
-1000	3320	690*	1670*	868*	

RATED LIFT CAPACITY OVER SIDE, BLADE UP					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3230	335		393	
2000	3840	258		389	
1000	4030	233		364	235
Ground	3880	242	628	348	
-1000	3320	309	665	353	

## STANDARD DIPPERSTICK, ADDITIONAL COUNTERWEIGHT

RATED LIFT CAPACITY OVER BLADE, BLADE DOWN					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3230	544*		499*	
2000	3840	562*		569*	
1000	4030	596*		778*	598*
Ground	3880	642*	1770*	925*	
-1000	3320	694*	1610*	864*	

RATED LIFT CAPACITY OVER SIDE, BLADE UP					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3230	400		489*	
2000	3840	312		549*	
1000	4030	285		442	290
Ground	3880	299	750	425	
-1000	3320	380	803	433	

## LONG DIPPERSTICK, STANDARD COUNTERWEIGHT

RATED LIFT CAPACITY OVER BLADE, BLADE DOWN					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3570	470*			
2000	4120	483*		447*	473*
1000	4300	522*		683*	539*
Ground	4190	570*	1765*	888*	605*
-1000	3670	630*	1927*	898*	
-2000	2600	656*	1861*		

RATED LIFT CAPACITY OVER SIDE, BLADE UP					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3570	282			
2000	4120	220		372	235
1000	4300	200		352	227
Ground	4190	209	628	339	222
-1000	3670	259	706	341	
-2000	2600	488	736		

## LONG DIPPERSTICK, ADDITIONAL COUNTERWEIGHT

RATED LIFT CAPACITY OVER BLADE, BLADE DOWN					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3570	472*			
2000	4120	500*		463*	485*
1000	4300	534*		707*	554*
Ground	4190	579*	1794*	903*	611*
-1000	3670	627*	1845*	904*	
-2000	2600	637*	1736*		

RATED LIFT CAPACITY OVER SIDE, BLADE UP					
Lift point height [H] (mm)	Maximum radius [R] (mm)	Lift at max. radius (kg)	Lift at 2000 mm radius	Lift at 3000 mm radius	Lift at 4000 mm radius
3000	3570	338			
2000	4120	272		465*	297
1000	4300	251		443	288
Ground	4190	264	747	431	281
-1000	3670	322	883	430	
-2000	2600	587	1008		

\* Rated hydraulic lift capacity

The lifting capacities are based on ISO 10567 and do not exceed 75 % of the static tilt load of the machine or 87 % of the hydraulic lifting capacity of the machine. The lifting capacities include a standard 500 mm bucket (69 kg)

## Weights

Operating weight with ROPS canopy, rubber tracks, counterweight, 610 mm bucket (SAE J732):	2565 kg
Additional weight for cab with heating	130 kg
Additional weight for long dipperstick	10 kg
Ground pressure with rubber tracks	25.50 kPa
Additional weight with counter weight	183 kg

## Engine

Make / model	Kubota / D1105-E2B-BCZ-2
Fuel	Diesel
Number of cylinders	3
Displacement	1123 cm <sup>3</sup>
Maximum power (TECH)	15.5 kW
Maximum net torque at 1400 RPM (SAE J1995)	71.2 Nm

## Performance

Digging force, dipperstick (ISO 6015)	15800 N
Digging force, long dipperstick (ISO 6015)	13200 N
Digging force, bucket (ISO 6015)	22200 N
Drawbar pull	30200 N
Travel speed, low range	2.4 km/h
Travel speed, high range	4.6 km/h

## Hydraulic System

Pump type	Dual outlet variable displacement piston pump with gear pumps
Piston pump capacity	28.80 L/min
Auxiliary flow	48.00 L/min
Auxiliary relief	180.0 bar

## Slew System

Boom swing, left	60°
Boom swing, right	60°
Slew rate	9.6 RPM

## Fluid Capacities

Cooling system	4.60 L
Engine lubrication plus oil filter	5.10 L
Fuel reservoir	34.60 L
Hydraulic system	25.00 L

## Environmental

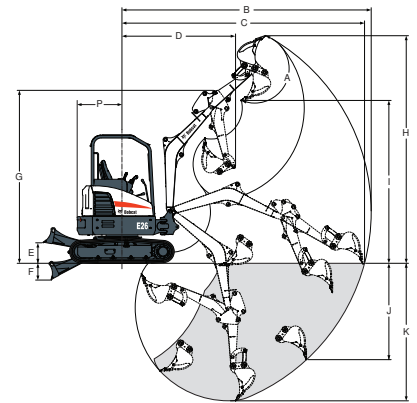
Noise level LpA(EU Directive 2000/14/EC)	77 dB(A)
Noise level LWA(EU Directive 2000/14/EC)	93 dB(A)
Whole body vibration (ISO 2631-1)	0.17 ms <sup>-2</sup>
Hand-arm vibration (ISO 5349-1)	0.63 ms <sup>-2</sup>

## Standard Features

1515 mm dozer blade	Horn
300 mm rubber tracks	Hydraulic joystick controls
Auto shift travel	Lockable storage compartment
Auxiliary hydraulics with Quick Couplers	Radio/MP3 ready
Blade float feature	Retractable seat belt
Cab light	Suspension seat with high back
Clamp ready	TOPS/ROPS* canopy <sup>1</sup>
Control console locks	Two-speed travel
Cupholder	Work lights (boom and upperstructure)
Engine/hydraulic monitor with shutdown	Warranty: 12 months, 2000 hours (whichever occurs first)
Fingertip auxiliary hydraulic control	

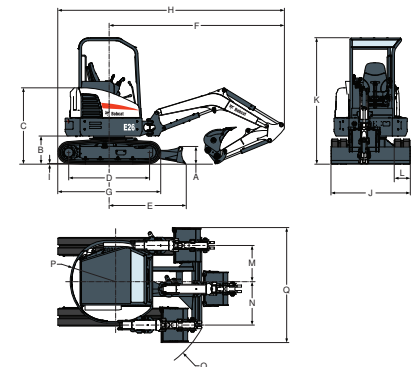
1. Roll Over Protective Structure (ROPS) – Meets requirements of ISO 3471. Tip Over Protective Structure (TOPS) – Meets requirements of ISO 12117.

## Working Range



(A)	185°	(G)	3246.0 mm
(B)	4552.0 mm	(H)	4272.0 mm
(C)	4678.0 mm	(H*)	4473.0 mm
(C*)	4850.0 mm	(I)	3057.0 mm
(D)	2132.0 mm	(I*)	3239.0 mm
(D*)	2135.0 mm	(J)	1809.0 mm
(E)	385.0 mm	(K)	2582.0 mm
(F)	315.0 mm	(K*)	2890.0 mm

## Dimensions



(A)	330.0 mm	(J)	1515.0 mm
(B)	536.0 mm	(K)	2412.0 mm
(C)	1456.0 mm	(L)	300.0 mm
(D)	1543.0 mm	(M)	614.0 mm
(E)	1462.0 mm	(N)	735.0 mm
(F)	3345.0 mm	(O)	1661.0 mm
(G)	1965.0 mm	(P)	770.0 mm
(H)	4326.0 mm	(Q)	840.0 mm
(H*)	4864.0 mm	(R)	1949.0 mm
(I)	25.0 mm		1675.0 mm

## Options

Auto idle	AM/FM stereo radio
TOPS/ROPS cab with heater	FOGS kit (Overhead guard)
Long dipperstick	Travel motion alarm
Additional counterweight	Steel tracks
2nd Auxiliary hydraulics	Beacon kit
Deluxe textile suspension seat	Left and right mirror kit
Boom safety valve with overload warning	Additional work light kit
Boom & arm safety valves with overload warning	Fuel filter with transparent water separator

Specifications and design are subject to change without notice. Pictures of Bobcat products may show other than standard equipment.

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