

25SR-2

KOBELCO®

Your competitive edge.

25SR-2	
WT	5,556 lbs
HP	17.7 SAE NET @ 2400 RPM
BKT CAP	1.4-3.0 cu ft.

STANDARD EQUIPMENT

- "Zero tail swing" counterweight does not extend beyond track width
- Rubber tracks
- Combined single or bi-directional auxiliary hydraulics with piping & control
- Swing boom - 58° right 65° left
- Yanmar 3TNE74-N 4 cycle, 3 cylinder water cooled swirl chamber diesel engine 17.7 @2400
- ROPS/FOPS 4 post canopy
- Arm rests
- Adjustable, cushioned and weatherproof operator seat
- Glow plugs starting aid
- 3'9" arm
- Two axial piston type hydraulic pumps 2 x 6.3 gal/min
- Dozer/swing pump: fixed gear 1 x 5.5 gal/min
- Pilot pump: fixed gear 1 x 3.2 gal/min
- Two speed travel 1.4/2.5 mph. Switch on travel lever
- Full hydrostatic drive system (2 axial piston motors)
- Track tension adjustment (grease type)
- 12V electrical starting system. Includes heavy duty battery and starting motor
- Air cleaner (dry type) with indicator for replacement
- Hydraulic oil filter
- One touch engine decel
- Parking brake, automatically applied and released
- Two level control for arm, boom, bucket and swing
- Operator control pattern charger (ISO/TLB)
- Pilot operated wrist controls and foot pedals
- Fuel tank: 6.6 gal
- Display includes: engine oil pressure lamp, water temperature guage, fuel guage, hour meter, battery charge lamp, travel speed indicator lamp, air restrictor warning lamp
- Hydraulic dozer blade
- Operator's manual storage compartment
- Hinged engine cover
- Removable engine access cover below operator seat
- Left hinged access covers
- Sealed and lubricated track rollers
- Electric horn

OPTIONAL EQUIPMENT

- ROPS/FOPS cab w/ heater
- Steel tracks
- Buckets
- Travel alarm

NOTE: Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice.



25SR-2



25SR-2
SHORT RADIUS Compact Excavator

KOBELCO®

Your competitive edge.

Sales & Product Support Offices

12755 S. Kirkwood Drive
Stafford, Texas 77477 USA

Phone: 281.240.4800

Fax: 281.240.4906

Website: www.kobelcoamerica.com

E-Mail: digin@kobelcoamerica.com

Bulletin No.25SR-2-US-10/02-10M-PERF-103

Headquarters & Manufacturing

501 Richardson Rd.
Calhoun, Georgia 30701 USA

Phone: 706.629.5572

Fax: 706.629.3952

© Kobelco Construction Machinery America LLC

FEATURES

25SR-2

SPECIFICATIONS

Engine Make and Model	Yanmar	3TNE74-N
Displacement	in ³ (l)	61.4 (1.01)
Hydraulic Pump	no & type	4 2VP+2FG
Hydraulic System Oil Capacity	g (l)	11.1 (42)
Rated Oil Flow	gpm (lpm)	2x6.3+5.5+3.2 (2x24+21+12)
Auxiliary Flow	gpm (lpm)	11.8 (44.7)
Operating Pressures:		
Implement/Travel/Dozer/Swing psi (mPa)		3,278 (22.6)
Bucket Digging Force	lbf (kN)	3,988 (17.7)
Arm Crowding Force	lbf (kN)	3,080 (13.7)
Drawbar Pull	lbf (kN)	5,777 (25.7)
Travel Speed - high/low	mph (kmh)	2.5/1.4 (4.0/2.3)
Gradeability	% (deg)	58% (30)
Swing Speed	rev/min	9.4
Fuel Tank Capacity	g (l)	6.6 (25)

DIMENSIONS

ARM LENGTH	3'9"	(1.15 m)
A Overall length	13'8"	(4.17 m)
B Overall width	4'11"	(1.50 m)
C Overall height (to top of canopy)	7'10"	(2.40 m)
D Basic machine length	7'5"	(2.27 m)
E Ground clearance of rear end*	1'7"	(.48 m)
F Center distance of tumblers	4'11"	(1.50 m)
G Overall length of crawler	6'2"	(1.88 m)
H Track gauge	4'1"	(1.25 m)
I Width of crawler shoe (rubber)	9.8"	(.25 m)
J Ground clearance of undercarriage	9.4"	(.24 m)
K Tail swing radius	2'5"	(.75 m)
L Tail swing overhang (not shown)	0'0"	(0 m)

* Excludes height of grouser bar.



Versatility

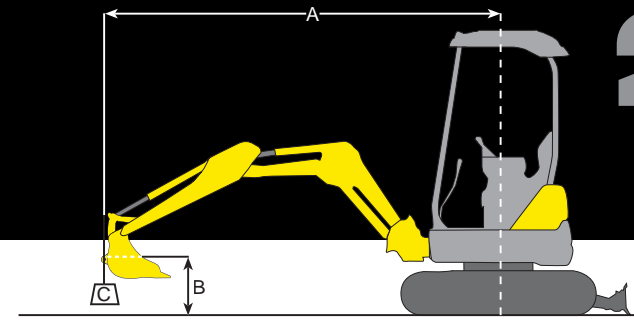
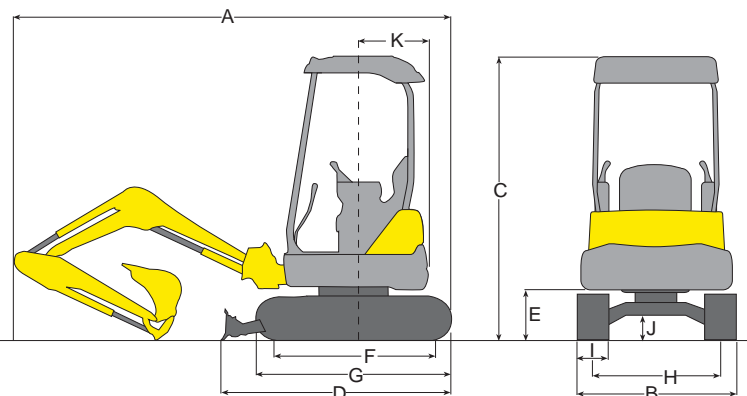
Kobelco's "zero tail swing" feature, shown to the left, allows the 25SR-2 to easily move, and work, in tight places without damaging the machine or the job site. Combined single or bi-directional auxiliary hydraulics and piping allow use of attachments such as hammers, thumbs and augers. The boom's ability to swing 58 degrees to the right and

65 degrees to the left helps in digging around obstacles and against walls. Rubber tracks minimize damage to paved sidewalks and driveways, as well as decrease noise levels. The dozer blade easily handles back-filling and grading tasks, and the hydraulic system allows you to multi-function while operating. With all of these features, the 25SR-2 is ready for any job, be it construction, landscaping or demolition.



Operator Friendly

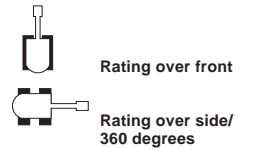
Kobelco has gone to great lengths to offer a smooth operating machine by providing features such as tandem in-line pumps and collared arm bushings. An exclusive third button on the left-hand joystick controls the boom center swing, and a hand or foot pedal controls the auxiliary hydraulic port for use with a variety of attachments. A control pattern changer lets the operator easily switch from the ISO to TLB pattern. A sturdy ROPS/FOPS four post canopy is provided as standard equipment to protect the operator from the elements, as well as jobsite hazards. Armrests, as well as raised, semi-long control levers provide for low-effort operation, and all major components are accessible by hinged panels located throughout the machine, making service quick and easy.



LIFTING CAPACITIES

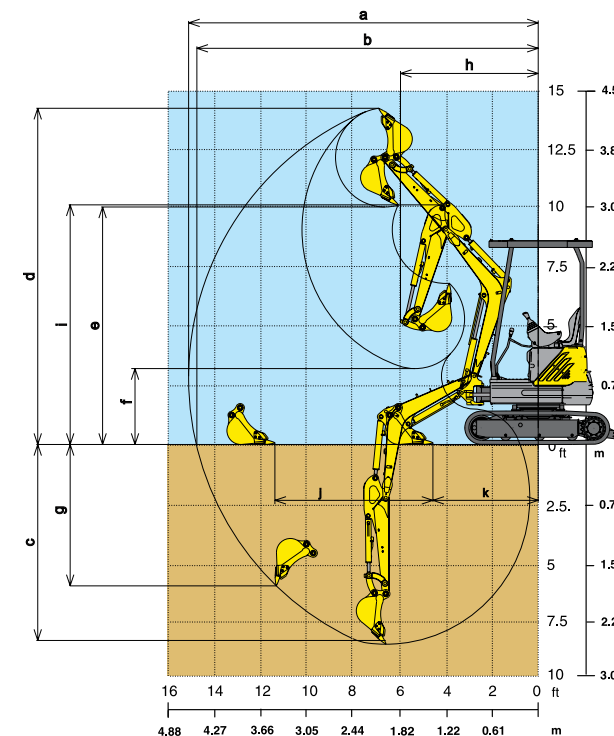
Dozer Blade Down with Canopy

A	B	C	25SR-2 Arm: 3'9" (1.15 m) Bucket: 2.83 ft ³ (0.08 m ³) 101 lb (46 kg)						
			5.0' (1.5 m)	7.5' (2.3 m)	10' (3.0 m)	12.5' (3.8 m)			
10' (3.0 m)	lb				*960	*960			
	kg				*430	*430			
7.5' (2.3 m)	lb				*990	*990			
	kg				*450	*450			
5' (1.5 m)	lb	*3,070	*3,070	*1,560	1,530	*1,170	960	*1,010	660
	kg	*1,390	*1,390	*710	690	*530	430	*450	300
2.5' (0.8 m)	lb			*2,130	1,410	*1,390	910	*1,080	640
	kg			*960	630	*630	410	*490	290
Ground Level	lb	*1,950	*1,950	*2,340	1,340	*1,510	870	*1,100	620
	kg	*880	*880	*1,060	610	*680	390	*500	280
-2.5' (-0.8 m)	lb	*3,360	2,740	*2,190	1,340	*1,460	860		
	kg	*1,520	1,240	*990	600	*660	390		
-5' (-1.5 m)	lb	*2,760	*2,760	*1,720	1,360				
	kg	*1,250	*1,250	*780	610				



- A Reach swing centerline to bucket hook
- B Bucket hook height above/below ground
- C Lifting capacities in pounds and kilograms
- Max discharge pressure: 3,278 psi (22.6 mPa)
- Track shoe: 9.8" (.25 m) Rubber
- Boom: 7'3" (2.21 m)

- Notes:
- Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights.
 - Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
 - Ratings at bucket lift hook.
 - The previous rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
 - Operator should be fully acquainted with the operator's manual before operating this machine. Rules for safe operation of equipment should be followed at all times.
 - Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery America LLC.



WORKING RANGES

ATTACHMENT	3'9" (1.15 m)
a Max digging reach	15'3" (4.64 m)
b Max digging reach at ground level	14'11" (4.54 m)
c Max digging depth*	8'5" (2.56 m)
d Max digging height*	13'5" (4.08 m)
e Max dumping clearance*	9'8" (2.94 m)
f Min dumping clearance*	3'7" (1.09 m)
g Max vertical wall digging depth*	5'8" (1.72 m)
h Min front swing radius	6'5" (1.96 m)
i Height at min. front swing radius	10'4" (3.16 m)
j Horizontal digging distance - stroke	6'8" (2.04 m)
k Horizontal digging distance - min	5'0" (1.52 m)

* Excludes height of grouser bar.