

KOBELCO®

Your competitive edge.

45SR-2

WT 10,428 lbs

HP 36.5 @ 2,200 RPM

BKT CAP 3.0-9.8 cu ft.



45SR-2

SHORT RADIUS Compact Excavator

FEATURES

SPECIFICATIONS

Engine Make and Model	Yanmar		4TN 88-YB
Displacement	in ³ (l)	133	(2.18)
Hydraulic Pump	no & type	4	2VP+2FG
Hydraulic System Oil Capacity	gal (l)	16.6	(63)
Rated Oil Flow	gpm (l/m)	2x13.8+9.7+4.0 (2x52.2+36.7+15.2)	
Auxiliary Flow	gpm (l/m)	23.5	(88.9)
Operating Pressures:			
Implement/Travel	psi (mPa)	3,278	(22.6)
Dozer/Swing	psi (mPa)	2,567	(17.7)
Bucket Digging Force - SA	lbf (kN)	8,747	(52.9)
	ISO lbf (kN)	9,719	(58.8)
Arm Crowding Force - SA	lbf (kN)	4,721	(34.3)
	ISO lbf (kN)	4,817	(35.0)
Drawbar Pull	lbf (kN)	12,560	(56)
Travel Speed - high/low	mph (kmh)	2.9/1.6	(4.6/2.6)
Gradeability	% (deg)	58	(30)
Swing Speed	rev/min	9.5	
Fuel Tank Capacity	gal (l)	13.25	(50)

DIMENSIONS

ARM LENGTH	4' 10"	(1.48 m)
A Overall length	17' 5"	(5.30 m)
B Overall width	6' 5"	(1.96 m)
C Overall height (to top of canopy)	8' 6"	(2.59 m)
C Overall height (to top of cab)**	8' 6"	(2.60 m)
D Basic machine length	9' 4"	(2.84 m)
Ground clearance of rear end*	2' 0"	(.620 m)
F Center distance of tumbler	6' 6"	(1.97 m)
G Overall length of crawler	8' 2"	(2.48 m)
H Track gauge	5' 1"	(1.56 m)
I Width of crawler shoe (rubber)	15.7"	(.400 mm)
J Ground clearance of undercarriage	13.4"	(.340 m)
K Tail swing radius	3' 3"	(.980 m)
L Tail swing overhang (not	0' 0"	(0 m)

* Excludes height of grouser bar.
** Not pictured



Versatility

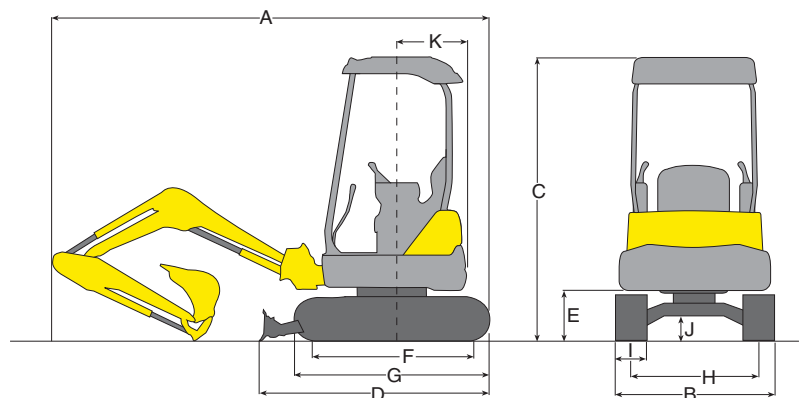
Kobelco's "zero tail swing" feature, shown to the left, allows the 45SR-2 to easily move, and work, in tight places without damaging the machine or the job site. Combined single or bi-directional auxiliary hydraulics and piping allow use of attachments such as hammers, thumbs and augers. The boom's ability to swing 58 degrees to the right and 73 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 45SR-2 is ready for any job, be it construction, landscaping or demolition.

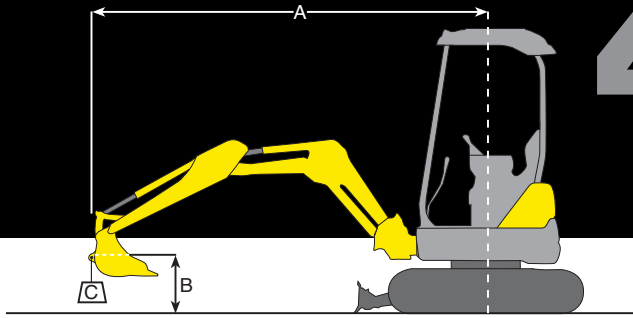


Operator Friendly

Kobelco has gone to great lengths to offer a smooth operating machine by providing features such as tandem variable displacement 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.



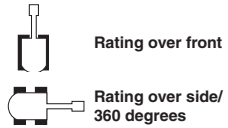
45SR-2



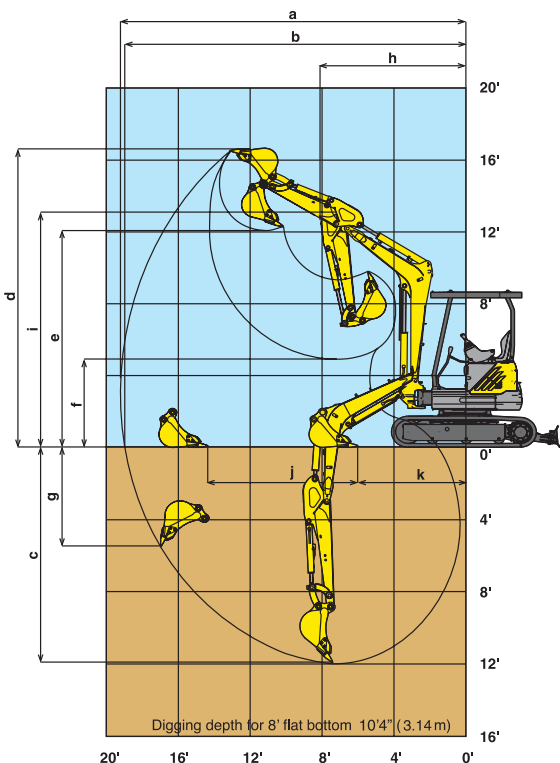
Blade Down with Canopy

LIFTING CAPACITIES

A		45SR-2 Arm: 4' 10" (1.48 m)		Bucket: 4.9 cu ft (0.14 m ³)		229.2 lb (104 kg)					
		5.0' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15' 0" (4.6 m)	
B	C										
		12.5' (3.8 m)	lb (kg)					*1,780 (*800)	*1,780 (*800)		
10' (3.0 m)	lb (kg)					*1,890 (*860)	1,780 (800)	*1,930 (*870)	1,250 (570)		
7.5' (2.3 m)	lb (kg)			*2,570 (*1,160)	2,490 (1,130)	*2,220 (*1,000)	1,700 (770)	*2,060 (*930)	1,220 (550)		
5' (1.5 m)	lb (kg)		*5,930 (*2,680)	3,540 (1,600)	*3,480 (*1,580)	2,280 (1,030)	*2,660 (*1,200)	1,590 (720)	*2,270 (*1,030)	1,170 (530)	
2.5' (0.8 m)	lb (kg)		*4,270 (*1,940)	3,240 (1,470)	*4,250 (*1,930)	2,100 (950)	*3,070 (*1,390)	1,500 (680)	*2,480 (*1,120)	1,120 (500)	
Ground Level	lb (kg)	*3,500 (*1,590)	*3,500 (*1,590)	*5,510 (*2,500)	3,210 (1,450)	*4,630 (*2,100)	2,010 (910)	*3,330 (*1,510)	1,440 (650)	*2,630 (*1,190)	1,080 (490)
-2.5' (-0.8 m)	lb (kg)	*5,260 (*2,380)	*5,260 (*2,380)	*6,970 (*3,160)	3,230 (1,460)	*4,650 (*2,110)	1,990 (900)	*3,390 (*1,540)	1,410 (640)	*2,610 (*1,180)	1,070 (480)
-5' (-1.5 m)	lb (kg)	*7,180 (*3,250)	*7,180 (*3,250)	*6,270 (*2,840)	3,300 (1,490)	*4,310 (*1,950)	2,020 (910)	*3,160 (*1,430)	1,430 (650)		
-7.5' (-2.3 m)	lb (kg)	*8,450 (*3,830)	7,950 (3,600)	*4,990 (*2,260)	3,430 (1,550)	*3,460 (*1,570)	2,110 (950)				



- 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: 15.7" (400 mm) Rubber
 - Boom: 9'6" (2.90 m)



WORKING RANGES

ATTACHMENT	4' 10" (1.48 m)
A Max digging reach	19' 3" (5.85 m)
B Max digging reach at ground level	18' 9" (5.71 m)
C Max digging depth*	11' 11" (3.60 m)
D Max digging height*	16' 7" (5.05 m)
Max dumping clearance*	12' 1" (3.68 m)
F Min dumping clearance*	4' 11" (1.49 m)
G Max vertical wall digging depth*	5' 6" (1.67 m)
H Min front swing radius	8' 2" (2.49 m)
I Height at min. front swing radius	13' 8" (4.16 m)
J Horizontal digging distance - stroke	8' 10" (2.68 m)
K Horizontal digging distance - min	6' 0" (1.83 m)

* xcludes height of grouser bar.

Notes:

- Do not attempt to lift or hold any load that exceeds these rated values at their specified load radi 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.

45SR-2

STANDARD EQUIPMENT

- "Zero tail swing" counterweight does not extend beyond track width when swung over either side
- Rubber-tracks
- Combined single or bi-directional auxiliary hydraulics & piping with foot control
- Swing boom - 58° right 73° left
- Yanmar 4TNE88-YB 4 cycle, 4 cylinder water cooled swirl chamber diesel engine
- ROPS/FOPS 4 post canopy
- Arm rests
- Adjustable, cushioned and weatherproof operator seat
- Glow plugs starting aid
- 4' 10" arm
- Two axial piston type variable displacement hydraulic pumps 2x13.8 gal.min
- Dozer/swing pump: fixed gear 1x9.7 gal/min
- Pilot pump: fixed gear 1x4.0 gal/min
- Two speed travel 2.9/1.6 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: 13.2 gal
- Display includes: engine oil pressure lamp, water temperature guage, fuel guage, hour meter, battery charge lamp, travel speed indicator lamp, air restriction warning lamp
- Hydraulic dozer blade
- Locking operator's manual storage compartment (behind operator seat)
- Hinged engine cover
- Removable engine access cover below operator seat
- Right and left hinged access covers
- Sealed and lubricated track rollers
- Electric horn

OPTIONAL EQUIPMENT

- Steel tracks
- Buckets
- ROPS/FOPS cab w/heater
- Travel Alarm
- Radio

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



KOBELCO®

Your competitive edge.

Kobelco Construction Machinery America LLC

245 E. North Avenue
Carol Stream, IL 60188-2021
866-726-3396 Toll Free
630-260-4000
630-260-4304 Fax
E-mail: digin@kobelcoamerica.com
Website: www.kobelcoamerica.com

45SR-2