

KOBELCO

Multi-dismantling machine

SK140SRD

SK140SRD-7

SK210D

SK210D-11

Performance  Design



**DRIVEN BY
PASSION**



US EPA
Tier IV Final



EU (NRMM)
Stage V



Japanese
Regulations

Specifications

SK140SRD SK140SRD-7

Engine

Model	ISUZU 4JJ1XDRAC-01
Type	4-cycle, water cooled, overhead camshaft, vertical in-line direct injection type, with turbocharger, Tier IV Final certified.
No. of cylinders	4
Bore and stroke	3.8" x 4.1" {95.4 mm x 104.9 mm}
Displacement	183.0 cu.in {2,999 ml}
Rated power output	96 hp {71.5 kW} / 2,000 rpm (SAE NET) 105 hp {78.5 kW} / 2,000 rpm (Without fan)
Max. torque	261 lb-ft {354 N-m} / 1,800 rpm (SAE NET) 277 lb-ft {375 N-m} / 1,800 rpm (Without fan)

Hydraulic system

Pump	
Type	Two variable displacement pumps + one option pump + one gear pump
Max. discharge flow	2 x 34 gpm {2 x 130 L/min} 1 x 15.8 gpm {1 x 59.8 L/min} 1 x 5 gpm {1 x 20 L/min}
Relief valve setting	
Boom, arm and bucket	4,970 psi {34.3 MPa}
Travel circuit	4,970 psi {34.3 MPa}
Swing circuit	4,060 psi {28.0 MPa}
Control circuit	725 psi {5.0 MPa}
Nibbler (Crusher) circuit	Open & Close 3,553 psi {24.5 MPa} Rotation 2,990 psi {20.6 MPa}
Clamp arm circuit	Open & Close 3,553 psi {24.5 MPa} Up&Down 3,553 psi {24.5 MPa}
Pilot control pump	Gear type
Main control valve	12-spool
Oil cooler	Air cooled type

Swing system

Swing motor	Axial piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	11.0 rpm
Swing torque	29,800 lb-ft {40.4 kN-m}
Tail swing radius	5'3" {1,610 mm}

Hydraulic P.T.O.

Specification	Output	Maximum pressure psi {MPa}	Max. flow U.S. gpm, {lpm} (0 pressure) 2,000 rpm
Nibbler		3,553 {24.5}	2 x 34.0 {2 x 130}
Rotary		2,990 {20.6}	15.8 {59.8}

Travel system

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	44 each side
Travel speed	2.1 / 3.5 mph {3.4 / 5.6 km/h}
Drawbar pulling force	31,100 lb {138 kN}
Gradeability	70% {35°}

Cab & control

Cab
All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.
Control
Two hand levers and two foot pedals for travel
Two hand levers and two foot pedals for front attachment and swing
Electric rotary-type engine throttle

Refilling capacities & lubrications

Fuel tank	49.1 U.S.gal {186 L}
Cooling system	4.5 U.S.gal {17 L}
Engine oil	4.5 U.S.gal {17 L}
Travel reduction gear	2 x 0.6 U.S.gal {2.1 L}
Swing reduction gear	0.4 U.S.gal {1.65 L}
Hydraulic oil tank	23.7 U.S.gal {89.9 L} Tank oil level 50.7 U.S.gal {192 L} Hydraulic system
DEF tank	6.9 U.S.gal {26 L}

Clamp arm ability

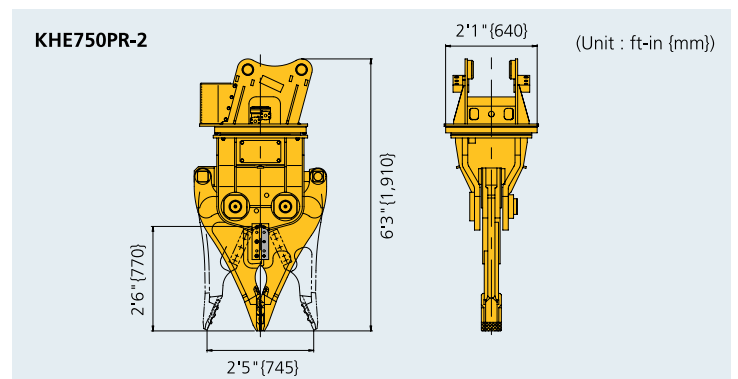
Pressing force (Clamp arm tooth tip)	11,020 lbf {49 kN}
Crushing force (clamp arm tooth for rear)	72,840 lbf {324 kN}
Crushing force (clamp arm tooth for front)	48,560 lbf {216 kN}
Clamping force (clamp arm grip)	30,800 lbf {137 kN}

Operating weight & ground pressure

Shoe width	ft-in {mm}	19.7" {500}
Overall width of crawler	ft-in {mm}	8'2" {2,490}
Ground pressure	psi {kPa}	9.3 {64}
Operating weight	lb {kg}	45,000 {20,400} (with KHE750PR-2)

Front attachment

Model	KHE750PR-2
Weight	2,138 lbs {970 kg}
Shearing force(blade center)	57,330 lbf {255 kN}
Crushing force(tooth-jaw tip)	19,850 lbf {88.3 kN}
Operating pressure	open/close 3,553 psi {24.5 MPa} rotation 2,060 psi {14.2 MPa}

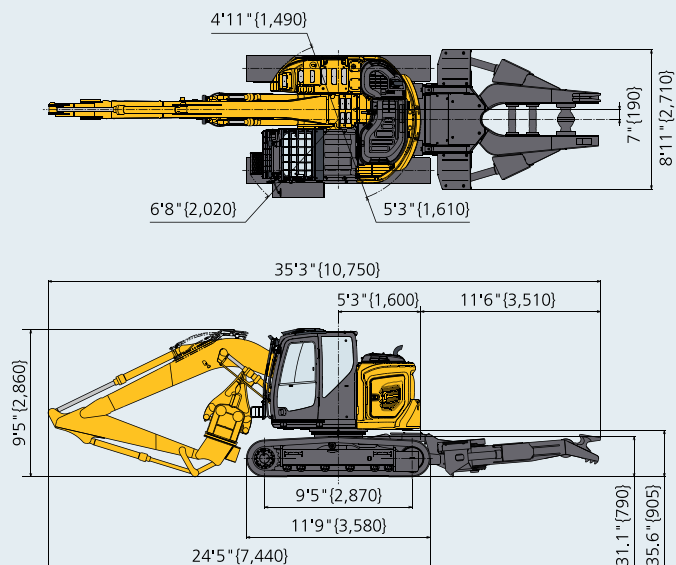


Specifications

SK140SRD SK140SRD-7

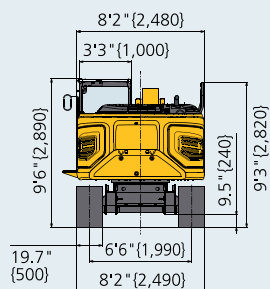
Dimensions

(Unit : ft-in (mm))



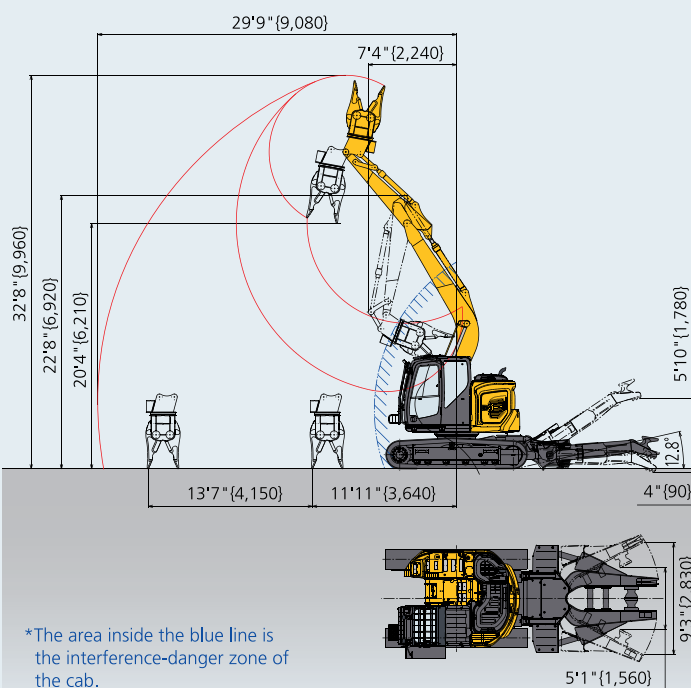
*Excluding height of grouser

Working radius



Working ranges

(Unit : ft-in (mm))

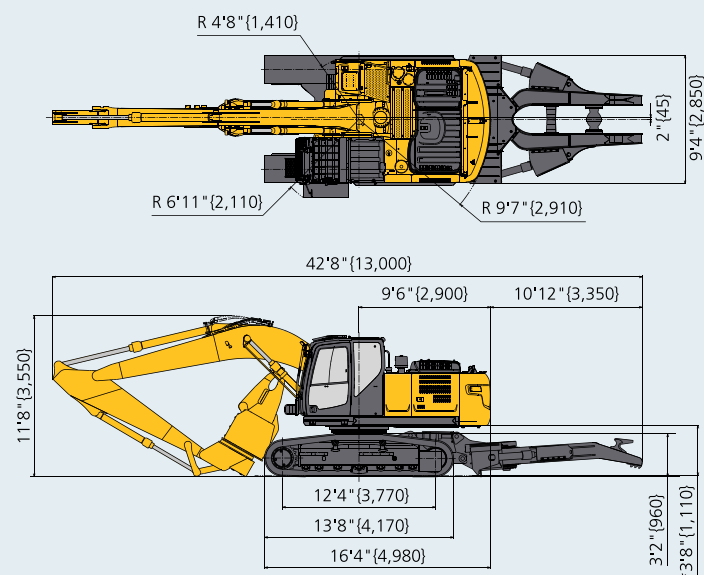


*The area inside the blue line is the interference-danger zone of the cab.

SK210D SK210D-11

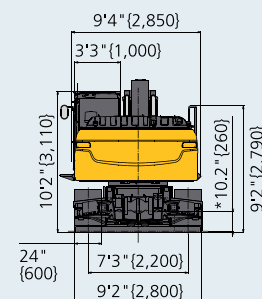
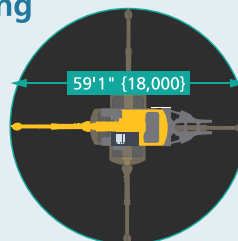
Dimensions

(Unit : ft-in (mm))



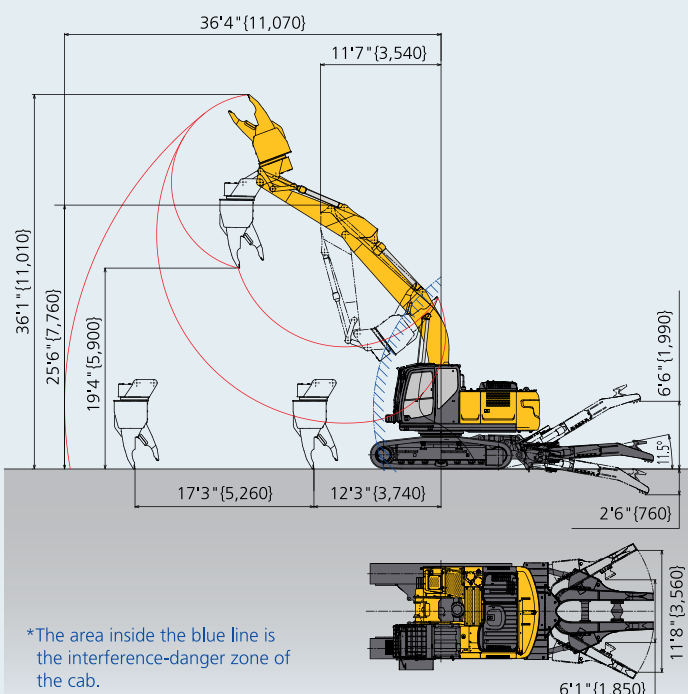
*Excluding height of grouser

Working radius



Working ranges

(Unit : ft-in (mm))



*The area inside the blue line is the interference-danger zone of the cab.