Specifications

SH145X-6 Technical Data

Electronic-controlled engine of SPACE 5+ and SIH:S+ with New Hydraulic System Includes: three working modes (SP, H and A), one-touch/automatic idling system, automatic power-boost.

Engine

SH145X-6	
Model	ISUZU GJ-4JJ1X
Type	Water-cooled, 4-cycle diesel, 4-cylinder in line, high pressure common rail system (electric control), turbocharger with air-cooled intercooler.
Rated output	70.9 kW (96.4 PS) at 2,000 min^{-1}(rpm)
Maximum torque	340 N-m at 1,600 min^{-1}(rpm)
Piston displacement	2.999 ltr
Bore and stroke	95.4 mm x 104.9 mm
Starting system	24 V electric motor starting
Alternator	24 V, 50 A
Fuel tank	200 ltr
Air filter	Double element

Hydraulic pumps

Two variable displacement axial piston pumps provide power for boom/arm/bucket, swing, and travel. One gear pump for pilot controls.

SH145X-6	
Maximum oil flow	2 x 129 ltr/min
Pilot pump max.oil flow	20 ltr/min

Hydraulic motors

For travel: Two variable displacement axial piston motors.
For swing: One fixed displacement axial piston motor.

Working circuit pressure

Boom/arm/bucket ····34.3 MPa (350 kgf/cm^2)
Boom/arm/bucket ····36.3 MPa (370 kgf/cm^2) with auto power-up
Swing circuit ·····28.0 MPa (286 kgf/cm^2)
Travel circuit ·····34.3 MPa (350 kgf/cm^2)

Control valve

With boom/arm holding valve
One 4-spool valve for right track travel, bucket, boom and arm acceleration
One 5-spool valve for left track travel, auxiliary, swing, boom acceleration and arm
One 1-spool valve for blade

Oil filtration

Return filter ····· 6 microns
Pilot filter ····· 8 microns
Suction filter ····· 105 microns

Hydraulic cylinders

Cylinder	Q'ty	Bore x Rod Diameter x Stroke
Boom	2	105 mm x 75 mm x 1,120 mm
Arm	1	115 mm x 80 mm x 1,108 mm
Bucket	1	95 mm x 65 mm x 881 mm
Blade	2	115 mm x 70 mm x 250 mm

Double-acting, bolt-up type cylinder tube-end; hardened steel bushings installed in cylinder tube and rods ends.

Cab & controls

The cabin is mounted on four fluid mountings. Features include safety glass front, rear and side windows, adjustable upholstered suspension seat with headrest and armrest, cigarette lighter, pop-up skylight window, and intermittent wiper with washer.
The front window slides upward for storage and the lower front window is removable. Built-in type full-colour monitor display. Membrane switch on monitor display.

Swing

Planetary reduction powered by axial piston motor. The internal ring gear with grease cavity for pinion. Swing bearing is single-row shear type ball bearing. Dual stage relief valves for smooth swing deceleration and stops. Mechanical disc swing brake.

SH145X-6	
Swing speed	0~11.2 min^{-1}(rpm)
Tail swing radius	1,490 mm
Swing torque	37.0 kN·m (3,773 kgf·m)

Undercarriage

An X-style carbody is integrally welded for strength and durability.
The grease cylinder track adjusters have shock absorbing springs.
The undercarriage has lubricated rollers and idlers.

Type of shoe: sealed link shoe

Upper rollers -
Heat treated, mounted on steel bushings
with leaded tin bronze casting, sealed for lifetime lubrication.

Lower rollers -
Heat treated, mounted on steel bushings
with leaded tin bronze casting, sealed for lifetime lubrication.

Track adjustment -
Idler axles adjusted with grease cylinder integral with each side frame; adjustment yoke mechanism fitted with heavy duty recoil spring.

Number of rollers and shoes on each side

SH145X-6	
Upper rollers	1
Lower rollers	7
Track shoes	43

Travel system

Two-speed independent hydrostatic system with compact axial motors for increased performance. Hydraulic motor powered output shaft coupled to a planetary reduction unit and track sprocket. All hydraulic components mounted within the width of side frame.
Travel speed can be selected by the switch panel on the monitor display.
Hydraulically released disc parking brake is built into each motor.

SH145X-6		
Travel speed	High	5.6 km/h
	Low	3.4 km/h
Drawbar pull		116 kN (11,829 kgf)

Lubricant & coolant capacity

SH145X-6	
Hydraulic system	158 ltr
Hydraulic oil tank	75 ltr
Fuel tank	200 ltr
Cooling system	15.3 ltr
Final drive case (per side)	2.1 ltr
Swing drive case	3.0 ltr
Engine crank case	17.0 ltr

Auxiliary hydraulic system

SH145X-6			
Auxiliary piping type (option)	For Breaker	For Double (breaker & crusher) acting	For D/A + Second option line
Arm type	STD	HD	HD
Bucket linkage type	HD	HD	HD
Auxiliary hydraulic pump flow	129 ltr/min	258 ltr/min	258+63 ltr/min

Bucket

Options and specifications may differ depending on countries and regions

Model		SH145X-6								
Bucket capacity (ISO/SAE/PCSA heaped)		0.24 M3	0.30 M3	0.37 M3	0.45 M3		0.50 M3		0.55 M3	0.65 M3
Bucket capacity (CECE heaped)		0.22 M3	0.28 M3	0.34 M3	0.40 M3		0.45 M3		0.50 M3	0.60 M3
Bucket type		STD	STD	STD	STD	Reinforced	STD	Reinforced	STD	STD
Number of teeth		4	4	4	4		5		5	5
Width unit: mm	With side cutter	582	692	772	907		972		1,057	1,192
	Without side cutter	508	618	698	833		898		983	1,118
Weight unit: kg		285	322	340	368	404	395	441	411	445
Combination	2.11 m arm	◎	◎	◎	◎		◎		●	○
	2.50 m arm	◎	◎	◎	◎		●		○	△
	3.01 m arm	◎	◎	●	○		△	×	×	×

◎ Suitable for materials with density up to 2,000 kg/m^3 or less
● Standard bucket (suitable for materials with density up to 1,800 kg/m^3 or less)
○ Suitable for materials with density up to 1,600 kg/m^3 or less
△ Suitable for loading
× Not available

Weight & Ground Pressure

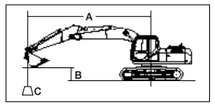
Model	SH145X-6			
Shoe type	Shoe width	Overall width	Operating weight	Ground pressure
Triple grouser shoe	500 mm	2,490 mm	14,500 kg	47 kPa
	600 mm	2,590 mm	14,700 kg	40 kPa
	700 mm	2,690 mm	15,000 kg	35 kPa

Digging Force

Model		SH145X-6		
Arm length		2.11 m	2.50 m	3.01 m
Bucket digging force 〈with power boost〉	ISO 6015	90 kN 〈95 kN〉	90kN 〈95 kN〉	90 kN 〈95 kN〉
	SAE: PCSA	80 kN 〈85 kN〉	80 kN 〈85 kN〉	80 kN 〈85 kN〉
Arm digging force 〈with power boost〉	ISO 6015	70 kN 〈74 kN〉	62 kN 〈66 kN〉	56 kN 〈60 kN〉
	SAE: PCSA	68 kN 〈72 kN〉	60 kN 〈64 kN〉	55 kN 〈58 kN〉

Lifting Capacity

Notes: 1. Ratings are based on ISO 10567
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.



A: Radius of load
B: Bucket hook height
C: Lifting capacity

Load Radius Over Front
Load Radius Over Side

Unit : kg

SH145X-6

SHOE : 500 (mm)G
BUCKET : SAE/PCSA 0.55 (m^3)
ARM LENGTH : 2.11 (m)
MAXIMUM REACH : 7.94 (m)
BOOM : 4.63 (m)
BLADE : Up

Bucket Hook Height	Max. Radius		7.5 m		6 m		4.5 m		3 m		1.5 m		Min. Radius			
	(kg)	(m)	(kg)	(m)									(kg)	(m)	(kg)	(m)
7.5 m	1 610*	4.63	1 610*	4.63					1 990*	1 990*			1 670*	3.01	1 670*	3.01
6 m	1 340*	6.26	1 340*	6.26			2 190*	2 190*	3 210*	3 210*			3 530*	3.30	3 530*	3.30
4.5 m	1 260*	7.14	1 260*	7.14			2 930	2 180	4 400*	3 570	4 600*	4 600*	2 450*	2.46	2 450*	2.46
3 m	1 260*	7.57	1 260*	7.57	1 630*	1 380	2 830	2 080	4 590	3 350	8 060*	6 550	6 540*	1.94	6 540*	1.94
1.5 m	1 330*	7.65	1 290	7.65	1 870	1 350	2 710	1 970	4 330	3 110	8 720	5 820	3 900*	2.46	3 900*	2.46
0 m	1 490*	7.41	1 340	7.41			2 620	1 890	4 130	2 940	7 630*	5 480	3 050*	1.87	3 050*	1.87
-1.5 m	1 810*	6.82	1 540	6.82			2 600	1 870	4 080	2 890	8 360	5 540	5 600*	5 600*	3 970*	0.63	3 970*	0.63
-3 m	2 520*	5.80	2 010	5.80					4 140*	2 970	7 200*	5 660	8 330*	8 330*	7 030*	0.89	7 030*	0.89
-4.5 m	2 280*	3.79	2 280*	3.79							3 100*	3 100*			3 170*	2.90	3 170*	2.90

SH145X-6

SHOE : 500 (mm)G
BUCKET : SAE/PCSA 0.55 (m^3)
ARM LENGTH : 2.11 (m)
MAXIMUM REACH : 7.94 (m)
BOOM : 4.63 (m)
BLADE : Down

Bucket Hook Height	Max. Radius		7.5 m		6 m		4.5 m		3 m		1.5 m		Min. Radius			
	(kg)	(m)	(kg)	(m)									(kg)	(m)	(kg)	(m)
7.5 m	1 610*	4.63	1 610*	4.63					1 990*	1 990*			1 670*	3.01	1 670*	3.01
6 m	1 340*	6.26	1 340*	6.26			2 190*	2 190*	3 210*	3 210*			3 530*	3.30	3 530*	3.30
4.5 m	1 260*	7.14	1 260*	7.14			3 340*	2 300	4 400*	3 760	4 600*	4 600*	2 450*	2.46	2 450*	2.46
3 m	1 260*	7.57	1 260*	7.57	1 630*	1 470	4 400*	2 210	5 570*	3 550	8 060*	6 980	6 540*	1.94	6 540*	1.94
1.5 m	1 330*	7.65	1 330*	7.65	2 180*	1 440	4 810*	2 100	6 520*	3 310	10 020*	6 240	3 900*	2.46	3 900*	2.46
0 m	1 490*	7.41	1 440	7.41			4 860*	2 010	6 740*	3 130	7 630*	5 880*	3 050*	1.87	3 050*	1.87
-1.5 m	1 810*	6.82	1 640	6.82			4 460*	1 990	6 360*	3 080	9 380*	5 950	5 600*	5 600*	3 970*	0.63	3 970*	0.63
-3 m	2 520*	5.80	2 140	5.80					5 000*	3 160	7 200*	6 040	8 330*	8 330*	7 030*	0.89	7 030*	0.89
-4.5 m	2 280*	3.79	2 280*	3.79							3 100*	3 100*			3 170*	2.90	3 170*	2.90

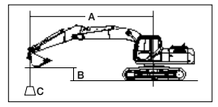
SH145X-6

SHOE : 500 (mm)G
BUCKET : SAE/PCSA 0.5(m^3)
ARM LENGTH : 2.50 (m)
MAXIMUM REACH : 8.29 (m)
BOOM : 4.63 (m)
BLADE : Up

Bucket Hook Height	Max. Radius		7.5 m		6 m		4.5 m		3 m		1.5 m		Min. Radius			
	(kg)	(m)	(kg)	(m)									(kg)	(m)	(kg)	(m)
7.5 m	1 310*	5.24	1 310*	5.24					2 380*	2 380*			1 850*	3.43	1 850*	3.43
6 m	1 120*	6.70	1 120*	6.70			2 340*	2 280	2 980*	2 980*			3 260*	3.68	3 260*	3.68
4.5 m	1 060*	7.52	1 060*	7.52	1 120*	1 120*	2 960*	2 240	3 720*	3 590*			3 690*	3.18	3 690*	3.18
3 m	1 060*	7.92	1 060*	7.92	1 960	1 440	2 890	2 150	4 680	3 450	7 290*	6 660	6 850*	1.53	6 850*	1.53
1.5 m	1 130*	8.00	1 130*	8.00	1 910	1 390	2 770	2 030	4 420	3 200	8 970	6 030	3 630*	2.15	3 630*	2.15
0 m	1 260*	7.77	1 260*	7.77	1 870	1 350	2 660	1 930	4 200	3 000	8 350	5 600	2 780*	2 780*	2 640*	1.43	2 640*	1.43
-1.5 m	1 520*	7.22	1 430	7.22			2 620	1 890	4 110	2 920	8 330	5 560	5 180*	5 180*	3 600*	0.24	3 600*	0.24
-3 m	2 080*	6.26	1 800	6.26			2 670	1 950	4 150	2 970	8 040*	5 660	8 120*	8 120*	5 810*	0.46	5 810*	0.46
-4.5 m	2 240*	4.69	2 240*	4.69					2 700*	2 700*	4 560*	4 560*			5 810*	1.77	5 810*	1.77

Lifting Capacity

Notes: 1. Ratings are based on ISO 10567
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.



A: Radius of load
B: Bucket hook height
C: Lifting capacity

Load Radius Over Front
Load Radius Over Side

Unit : kg

SH145X-6

SHOE : 500 (mm)G
BUCKET : SAE/PCSA 0.5 (m^3)
ARM LENGTH : 2.50 (m)
MAXIMUM REACH : 8.29 (m)
BOOM : 4.63 (m)
BLADE : Down

Bucket Hook Height	Max. Radius		7.5 m		6 m		4.5 m		3 m		1.5 m		Min. Radius			
	(kg)	(m)	(kg)	(m)									(kg)	(m)	(kg)	(m)
7.5 m	1 310*	5.24	1 310*	5.24					2 380*	2 380*			1 850*	3.43	1 850*	3.43
6 m	1 120*	6.70	1 120*	6.70			2 340*	2 340*	2 980*	2 980*			3 260*	3.68	3 260*	3.68
4.5 m	1 060*	7.52	1 060*	7.52	1 120*	1 120*	2 960*	2 370	3 720*	3 720*			3 690*	3.18	3 690*	3.18
3 m	1 060*	7.92	1 060*	7.92	2 330*	1 530	3 890*	2 270	5 300*	3 650	7 290*	7 070	6 850*	1.53	6 850*	1.53
1.5 m	1 130*	8.00	1 130*	8.00	2 790*	1 480	4 770*	2 150	6 370*	3 400	9 850*	6 450	3 630*	2.15	3 630*	2.15
0 m	1 260*	7.77	1 260*	7.77	2 500*	1 440	4 910*	2 060	6 790*	3 200	8 350*	6 010	2 780*	2 780*	2 640*	1.43	2 640*	1.43
-1.5 m	1 520*	7.22	1 520*	7.22			4 680*	2 010	6 570*	3 110	9 630*	5 970	5 180*	5 180*	3 600*	0.24	3 600*	0.24
-3 m	2 080*	6.26	1 920	6.26			3 550*	2 070	5 510*	3 160	8 040*	6 060	8 120*	8 120*	5 810*	0.46	5 810*	0.46
-4.5 m	2 240*	4.69	2 240*	4.69					2 700*	2 700*	4 560*	4 560*			5 810*	1.77	5 810*	1.77

SH145X-6

SHOE : 500 (mm)G
BUCKET : SAE/PCSA 0.37 (m^3)
ARM LENGTH : 3.01 (m)
MAXIMUM REACH : 8.74 (m)
BOOM : 4.63 (m)
BLADE : Up

Bucket Hook Height	Max. Radius		7.5 m		6 m		4.5 m		3 m		1.5 m		0 m		Min. Radius			
	(kg)	(m)	(kg)	(m)											(kg)	(m)	(kg)	(m)
7.5 m	1 290*	5.96	1 290*	5.96					2 350*	2 350*					2 080*	3.95	2 080*	3.95
6 m	1 130*	7.25	1 130*	7.25			2 300*	2 300*	2 770*	2 770*					2 810*	4.18	2 810*	4.18
4.5 m	1 080*	8.00	1 080*	8.00	2 000*	1 520	2 740*	2 300	3 100*	3 100*					3 000*	3.76	3 000*	3.76
3 m	1 090*	8.38	1 090*	8.38	2 000	1 470	2 950	2 190	4 270*	3 530	4 650*	4 650*			4 620*	2.04	4 620*	2.04
1.5 m	1 150*	8.46	1 120	8.46	1 930	1 400	2 800	2 060	4 490	3 260	8 980*	6 220			3 800*	2.08	3 800*	2.08
0 m	1 280*	8.24	1 140	8.24	1 870	1 350	2 670	1 940	4 220	3 020	8 490	5 630	2 850*	2 850*	2 570*	1.32	2 570*	1.32
-1.5 m	1 510*	7.72	1 260	7.72	1 850	1 320	2 600	1 870	4 080	2 890	8 240	5 470	4 730*	4 730*	3 900*	3 900*	3 900*	0
-3 m	1 980*	6.84	1 550	6.84			2 620	1 890	4 090	2 910	8 300	5 530	6 950*	6 950*	5 170*	5 170*	5 170*	0
-4.5 m	2 460*	5.42	2 260	5.42					3 980*	3 000	5 980*	5 600	9 290*	9 290*			8 250*	0.91

SH145X-6

SHOE : 500 (mm)G
BUCKET : SAE/PCSA 0.37 (m^3)
ARM LENGTH : 3.01 (m)
MAXIMUM REACH : 8.74 (m)
BOOM : 4.63 (m)
BLADE : Down

Bucket Hook Height	Max. Radius		7.5 m		6 m		4.5 m		3 m		1.5 m		0 m		Min. Radius			
	(kg)	(m)	(kg)	(m)											(kg)	(m)	(kg)	(m)
7.5 m	1 290*	5.96	1 290*	5.96					2 350*	2 350*					2 080*	3.95	2 080*	3.95
6 m	1 130*	7.25	1 130*	7.25			2 300*	2 300*	2 770*	2 770*					2 810*	4.18	2 810*	4.18
4.5 m	1 080*	8.00	1 080*	8.00	2 000*	1 610	2 740*	2 430	3 100*	3 100*					3 000*	3.76	3 000*	3.76
3 m	1 090*	8.38	1 090*	8.38	2 570*	1 560	3 520*	2 320	4 270*	3 710	4 650*	4 650*			4 620*	2.04	4 620*	2.04
1.5 m	1 150*	8.46	1 150*	8.46	3 080*	1 500	4 600*	2 180	6 040*	3 460	8 980*	6 640			3 800*	2.08	3 800*	2.08
0 m	1 280*	8.24	1 220	8.24	3 300*	1 440	4 870*	2 060	6 690*	3 210	9 660*	6 040	2 850*	2 850*	2 570*	1.32	2 570*	1.32
-1.5 m	1 510*	7.72	1 350	7.72	2 440*	1 410	4 790*	1 990	6 660*	3 080	9 440*	5 870	4 730*	4 730*	3 900*	3 900*	3 900*	0
-3 m	1 980*	6.84	1 650	6.84			4110*	2 010	5 940*	3 100	8 810*	5 940	6 950*	6 950*	5 170*	5 170*	5 170*	0
-4.5 m	2 460*	5.42	2 400	5.42					3 980*	3 180	5 980*	5 950	9 290*	9 290*			8 250*	0.91

Principle Specifications

		SH145X-6
		STD Specifications
Base	Std. operating weight	14,500 kg
	Boom length	4.63 m
	Arm length	2.50 m
	Bucket capacity (ISO heaped)	0.50 M3
	Shoe width	500 mm
	Counterweight	3,500 kg
Engine	Make & model	ISUZU GJ-4JJ1X
	Rated output	70.9 kW/2,000 min^{-1}
	Piston displacement	2.999 ltr
Hydraulic System	Main pump	2 variable displacement axial piston pumps with regulating system
	Max oil flow	2 × 129 ltr/min
	Max pressure	34.3 MPa
	/with auto power boost	36.3 MPa
	Travel motor	Variable displacement axial piston motor
	Parking brake type	Mechanical disc brake
	Swing motor	Fixed displacement axial piston motor
Performance	Travel speed	5.6/3.4 km/h
	Drawbar pull	116 kN
	Gradeability	70% 〈35°〉
	Ground pressure	47 kPa
	Max swing speed	11.2 min^{-1}
	Swing torque	37.0 kN・m (3,773 kgf・m)
	Bucket digging force (ISO 6015)	90 kN
	/with power boost	95 kN
	Arm digging force (ISO 6015)	62 kN
	/with power boost	66 kN
Others	Fuel tank	200 ltr
	Hydraulic oil tank	75 ltr

Standard Equipment

[Hydraulic system]

- SIH:S+ hydraulic system
- Operation mode (SP, H and A mode)
- Automatic 2-speed travel
- Automatic power boost
- Arm/boom/bucket reactivation circuit
- Automatic swing parking system
- High-performance return filter

[Cab/interior equipment]

- Top guard OPG level1 (in cab structure)
- 4-point fluid mounts
- Built-in type full-colour monitor display
- Open air introducing pressurised full-automatic air conditioner
- Defroster
- KAB seat
- Seat suspension
- Armrest & headrest
- Windscreen wiper (with intermittent operation function)
- Cup holder
- AM/FM radio (with muting function and AUX port & USB port)
- Radio mute/ Windscreen wiper one-touch control on joystick
- Clock
- Magazine rack
- Accessory case
- Floor mat
- Ashtray & cigarette lighter
- Cab light (Auto-OFF function)
- Coat hook

[Safety equipment]

- Rearview mirror (left/right)
- Emergency escape tool
- Retracting seat belt
- Gate lock lever
- Travel alarm (with on and off switch)
- Anti-theft alarm system
- Engine room firewall
- Fan guard
- Engine emergency stop switch
- Engine neutral start

[Others]

- Auto/one-touch idling
- Auto idle shutdown system
- EMS
- Long-life hydraulic oil
- Two lights (main unit and left of boom)
- Fuel filter (with water separator)
- Fuel prefilter (with water separator)
- Double-element air cleaner
- Grease-enclosed track link
- Tool box
- A set of tools

Accessories (option)

■ **Cab-top lights**

■ **Rain deflector**

■ **FVM**

■ **12V power** (DC-DC converter)

■ **Air suspension** (KAB seat)

■ **Front guard** (OPG level 1 or 2)

■ **Head guard** (OPG level 2)

■ **Refuel pump**

■ **Hose burst check valve (HBCV) for boom/arm cylinders**

■ **Side camera**

■ **Rearview camera**

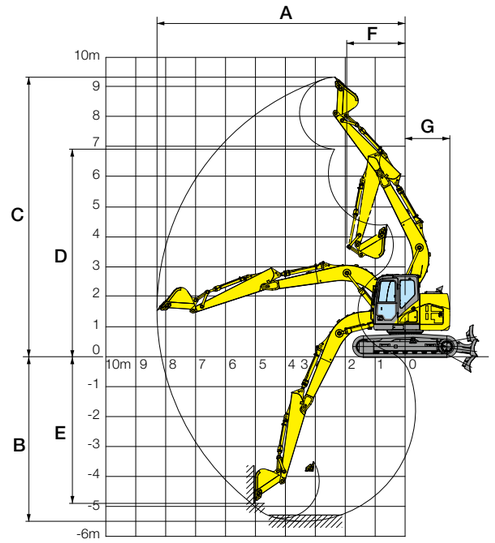
■ **ISO compliant guardrail**

■ **ISO compliant mirror**

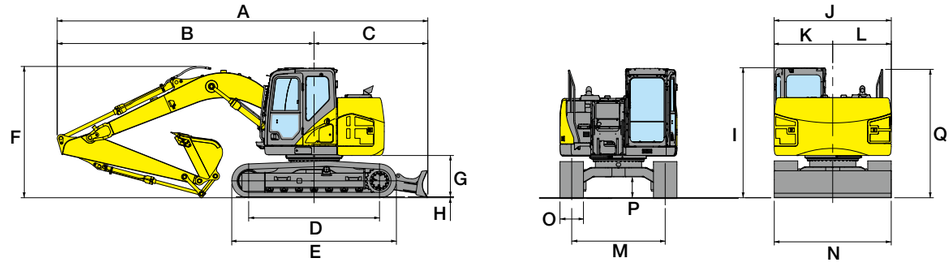
■ **ROPS Cabin**

Working Range

SH145X-6			
Arm length	2.11 m (SHORT)	2.50 m (STD)	3.01 m (LONG)
Boom length		4.63 m	
A Max digging radius	7,940 mm	8,290 mm	8,740 mm
B Max digging depth	5,110 mm	5,510 mm	6,010 mm
C Max digging height	9,060 mm	9,340 mm	9,690 mm
D Max dumping height	6,660 mm	6,940 mm	7,290 mm
E Max vertical wall cut depth	4,560 mm	4,900 mm	5,280 mm
F Min front swing radius		1,950 mm	
G Tail swing radius		1,490 mm	



Dimensions



Model	SH145X-6		
Arm length	2.11 m	2.50 m	3.01 m
A Overall length	7,870 mm	7,880 mm	7,840 mm
B Length from centre of machine (to arm top)	5,460 mm	5,470 mm	5,430 mm
C Length from centre of machine (to blade)	2,410 mm	2,410 mm	2,410 mm
D Centre to centre of wheels	2,790 mm	2,790 mm	2,790 mm
E Overall track length	3,500 mm	3,500 mm	3,500 mm
F Overall height (to top of boom)	2,720 mm	2,790 mm	2,600 mm
G Clearance height under upper structure	880 mm	880 mm	880 mm
H Shoe lug height	20 mm	20 mm	20 mm
I Overall height (to top of cab)	2,770 mm	2,770 mm	2,770 mm
J Upper structure width	2,490 mm	2,490 mm	2,490 mm
K Width from centre of machine (left side)	1,240 mm	1,240 mm	1,240 mm
L Width from centre of machine (right side)	1,250 mm	1,250 mm	1,250 mm
M Track gauge	1,990 mm	1,990 mm	1,990 mm
N Lower structure width	2,490 mm	2,490 mm	2,490 mm
O Std. shoe width	500 mm	500 mm	500 mm
P Minimum ground clearance	425 mm	425 mm	425 mm
Q Overall height (to top of handrail)	2,730 mm	2,730 mm	2,730 mm