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We are constantly improving our products and therefore reserve the right to change designs and specifications without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

SUMITOMO

SH240-5

■ Engine Rated Power (Net): 132 kW · 180 PS
■ Operating weight:
SH240-5 · · · · · · 24,400~25,000 kg
■ Bucket: ISO/SAE/PCSA Heaped: 0.80~1.30 m³





STAGE II.

Engine and Hydraulics 04-07

(Note: Some of the items manufactured and sourced in other countries may be assembled in Japan.)

- ·SPACE 5
- ·SIHIS
- ·New working mode

Durability 08-09

- ·Stronger boom and arm
- · Durable bucket
- ·Ridged swing frame
- ·Improved undercarriage

Maintenance 10-11

- · High performance hydraulic return filter
- ·Fuel tank
- ·Engine oil drain coupler
- ·Ground level maintenance

Operator Comfort 12-13

- ·Spacious cabin
- ·Comfortable operator's seat
- · Message display from LCD monitor

Safety 14

- ·Optimised view from cabin
- · High -rigidity cabin structure

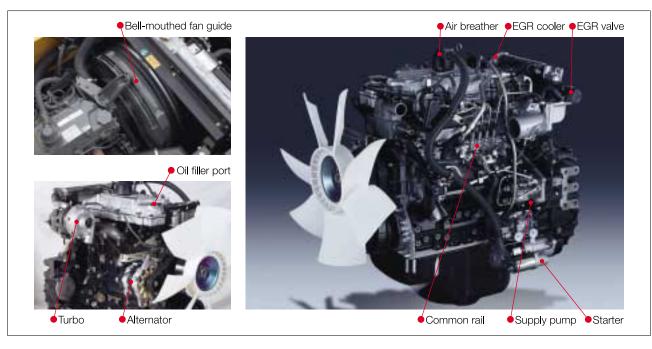
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Engine and Hydraulics



① Powerful ② Economy ③ Clean ② Silent ⑤ Strong

"SPACE5" is a new engine system consisting of five (5) special features.

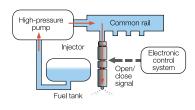


Engine

A newly developed ISUZU engine 4HK1X complies with Emission Regulations U.S. EPA Tier II and EU Stage IIA. This produces bigger output and torque, and far better fuel consumption than the previous model.

Common Rail Type High-Pressure Fuel Injection System

The system is equipped with a common rail type high-compression fuel injection system, which permits high-precision injection from multiple injection under ultra high-pressure of more than 1600 atm. Precise control of injectors time and injection quality at the rate of 1/1000 second optimizes combustion, improves combustion efficiency, and reduces PM (particulate matter) substantially.

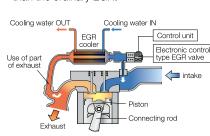


Comparison of engines

	SH240-3	SH240-5	Merit
Name of engine	ISUZU-6BG1T	ISUZU-4HK1X	
Type	12-valve OHV	16-valve OHC	
Displacement cc	6494	5193	
Number of cylinders - Dia. x Stroke mm	6-105 x 125	4-115 x 125	
Rated output kW/min ⁻¹	121/2,150	132/2,000	Higher output (+9%)
Max. torque N·m/min ⁻¹	562/1,800	636/1,500	Higher torque (+13%)
Size (Length-Width-Height) mm	1204-768-961	1020-829-1012	
Cylinder block	Bearing CAP	Ladder frame	High rigidity/low noise
Fan belt	V-Belt	Poly V-Belt	Long life

Cooled EGR System

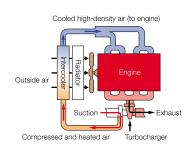
The EGR (Exhaust Gas Recirculation) mixes exhaust gas, which is once exhausted, with the air intake that is taken in so as to lower the combustion temperature, thereby reducing NOx (nitrogen oxide). Adoption of the cooled EGR system, in which a water cooler is installed in the middle of the re-circulation pipe, permitting further decrease in the intake temperature, ensuring a better NOx reduction effect than the ordinary EGR.



16 valve OHC Turbo Engine

with Inter-Cooler

When the inter-cooler cools the intake air, which is compressed by a turbocharger and has reached a high temperature, the density of the air increases and the suction efficiency increases. Therefore, NOx and PM can be reduced substantially, permitting high output and improvement of fuel efficiency simultaneously.

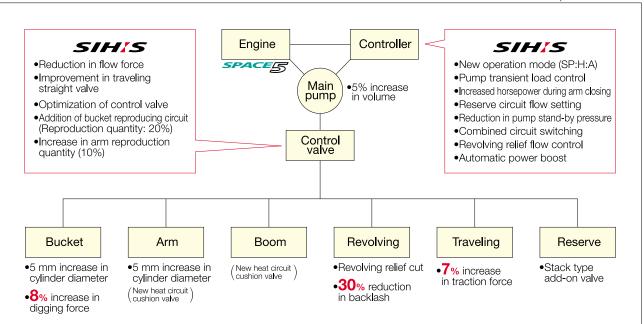




- 50 increase in bucket closing speed
- 5% improvement in arm closing speed under heavy excavation
- 7, increase in traction force

• 3_% increase in arm digging force

* As compared with SH240-3



Real Digging Power

The true digging force can not be expressed by a maximum digging power figure listed in sales materials. With a much improved hydraulic system and by adopting a larger arm cylinder, the arm-in motion speed slowdown is minimized by eight percent (8%) in comparison with the previous model. The digging power when combined with the attachment speed in motion convey to the operators "real digging power".

Quick and Smooth Control Response

A total review of the hydraulic circuit and miscellaneous hydraulic settings guarantee speedy and precise operation through a smooth control lever.



SP (Speed Priority mode) SUMITOMO unique design

SP "Speed Priority" mode has been developed, which is not available in competitors models nor in our previous model. This will create biggest productivity in its class with more economical fuel efficiency even in comparison with the Heavy mode of our previous model. In addition, the throttle control is simple to use.

•SP mode: 7% increase in workload

* As compared with SH240-3 (H mode)

Multifunctioning Capability for Upper and Travel Operation

With the new hydraulic circuit, travel motion slowdown will not be experienced even during the combined operation of attachment and swing motion when traveling.



Automatic Power Boost SUMITOMO unique design

The digging power increases automatically in quick response to the working conditions without switching operations during heavy -duty digging work. It is SUMITOMO'S original design and continues for 8 seconds.

Engine and Hydraulics

The integration of the new engine system "SPACE 5" and new hydraulic system "SIH:S" has created 18% fuel efficiency improvement in comparison with our conventional model.





Hydraulic Oil Flow Control



In the case of sudden lever movement and high load activation, the newly developed hydraulic control system reduces the main pump oil flow intentionally and keeps the engine speed at a constant level. This enables a reduction in fuel consumption. In addition, this also reduces the level of exhaust smoke due to excessive fuel injection.

Reduction of Hydraulic SUMITOMO Uniquedesign Oil Flow at Swing

The hydraulic oil quantity required at the time of sudden swing motion is limited. The new hydraulic system can start the oil flow volume at the minimum level and then allow it to increase on demand. This optimum oil flow control significantly improves the fuel efficiency.

Reduction in Pump Stand-by Pressure



Reducing pump oil flow pressure during stand-by minimizes the load on the engine. This also improves fuel consumption.

Increased Pump Efficiency

The new modified hydraulic pump structure lowers the oil leak volume in the pump which means improved pump efficiency and improved engine fuel efficiency.

Mode Selection by Throttle

Mode selection by pressing the button in our previous model sometimes cause inconveniences for the operator. The throttle control system has been upgraded and the new system "A" mode which stands for "Adjustment Mode" now covers the 3 previous modes of "Auto, Standard and Light". In addition there is "H" (Heavy) mode and "SP" (Speed Priority) mode, and the hydrostatic pump oil flow will be regulated automatically in each of the 3 modes respectively.

The SP mode is added to the operation mode. Furthermore, the A (Adjustment) mode is added to the SP and H modes, respectively. In comparison with the H mode of Dash 3, the SP mode has reduced the fuel consumption by 12%, and the H mode of Dash 5 has reduced the fuel consumption by 18% as compared with Dash 3.



Throttle knob position	1	2	3	4~8	9~15
Engine speed	2,000	1,900	1,800	1,799~1,300	1,299~1,000
Operation mode	SP	Н	A		
Automatic power boost	Automatic		Constant		

		Reduction in fuel consumption by 12%	SP	SPEED PRIORITY	^
Н	HEAVY (Speed priority)	Reduction in fuel consumption by 18%	Н	HEAVY (Simultaneous pursuit of speed and fuel efficiency)	Ö
Α	AUTO (Simultaneous pursuit of speed and fuel efficiency)				ing speed
S	STANDARD (Fuel priority)	Reduction in fuel consumption by 5-22%	A (13 steps)	ADJUSTMENT (Ordinary operation /Fine operation /Lifting operation	Working
L	LIGHT/LIFT (Fine operation/ Lifting operation)			J .	

SH240-3 (Previous model)

SH240-5

Durability

Boom & Arm

- 1. The boom structure is now 2 pieces instead of 3.
- 2. High strength castings are used for the boom base and arm end. 4. Thicker steel plate is used for added strength.
- 3. One size larger piping is used for the boom boss area.

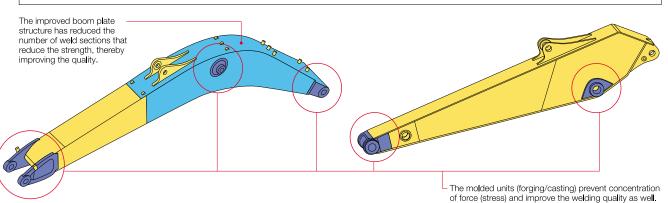
Ridged Upper Side 5% increase Section Frame

A closed -section "D" shape structure

with thicker plate reduces stress and

■ Cross section

is high impact resistant.



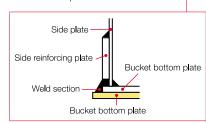
Bucket

A one piece wear plate covers the weldment area to increase the wear life of the bucket.



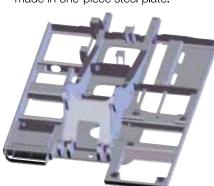
■ Cross section

Protection of weld bottom plate and flattening of bottom plate by changing the bottom plate weld structure

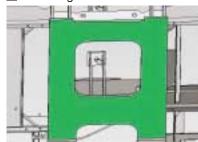


Swing Frame

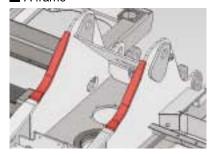
Reinforced plate on "A" frame is extended and the swing frame base is made in one-piece steel plate.



■ Revolving frame



A frame



Undercarriage

1 Link shoe

M-type seal increased pin hardness

Center joint Prevention of bolt loosening

3 Recoil Spring

Use of high hardness material

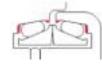
4 Idler

Reinforced boss

5 Travel motor

Improved seal

6 Carrier rollerTread machining addition of jaw



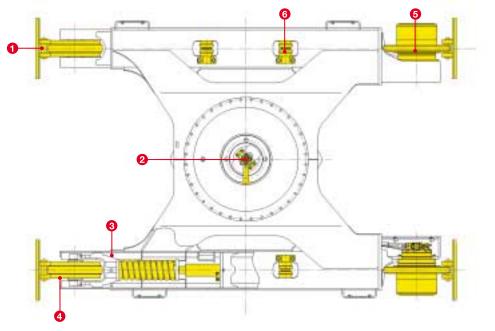
Change of atrust up

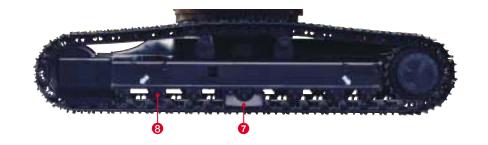
Change of structure and bigger size

Track roller

Tread machining addition of jaw prevention of bolt loosening







Maintenance

High-Performance Return Filter

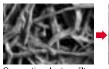
The hydraulic oil change interval is 5,000hours, and the return filter change interval is 2,000hours. One high performance return filter keeps the same level of filtering effect as a nephron.

Hydraulic oil change: 5,000 hours •Life of filter: 2,000 hours

* The oil and filter change interval depends on the working conditions



The High-Performance Return Filter is made more precisely to condense the Nephron filter function.





Fuel Tank

Stainless steel is used for the strainer that prevents dust entering during refueling. Furthermore, a maintenance hole is provided to permit easy periodical maintenance.





Engine Oil Drain Coupler

The engine oil pan is provided with a drain coupler. This makes easier to do drain work and preventing oil from spattering with an attached drain hose.



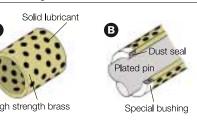
EMS (Easy Maintenance System) as Standard

SUMITOMO's new improved EMS keeps the pins and bushes fully lubricated at all times and prevents rattling. This system significantly extends the service life of the pins and bushes.

The interval of greasing around the bucket is 250 hours, and for the other sections is 1,000 hours, keeping the joints lubricated for a long time and extending the service life of parts by reducing abrasion and rattling.

- •Bucket greasing interval: 250 hours
- •Greasing interval for other sections : 1,000 hours
- * The greasing interval depends on the working conditions.

■ EMS bushing



- A solid lubricant embedded in high strength brass forms a layer on the bushing surface to prevent contact between metals, maintaining an excellent lubricated state to reduce
- The surface of the pin is plated to increase the surface hardness and improve the wear resistance accordingly.

Steel EMS bushing



Steel EMS is installed



Precautionary use of EMS

- ① Grease is enclosed, however, greasing is necessary every 1000 hours or six months depending on the level of dusting conditions.
- @ Greasing is also necessary after any components have been submerged underwater for prolonged periods.
- ® Greasing is also recommended after use with hydraulic breakers, crushers or other high impact attachments such as Rock Saws etc.
- @ Bucket pins should be cleaned thoroughly when removing or fitting new attachments.

Ground Level Access to Engine Area Improves Preventative Maintenance.

Parts cleaning and maintenance are possible from the ground without climbing onto the upper structure of the excavator body.



Operator Comfort

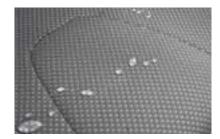
SUMITOMO's Redesigned Cabin and Seat for Optimum Operator Comfort

The seat reclining system allows the operator to lay the seat flat and to rest on site without removing the headrest.



New Water-repelling Operator's Seat

A rainwater and dust-resistant, water-repelling operator's seat has been adopted.



Operating Positions of Sliding Seat and Tilting Console

In addition to the tilting console that is adjustable in four steps vertically, the increased sliding distance ensures optimum working conditions.







The Suspension Seat Eliminates Vibration





Air suspension (Option)

Simple to Read LCD Monitor and Switch Panel

In addition to the monitor that is easy to read during daytime as well as nighttime by changing the backlight to white, a simple and convenient universally designed switch panel is provided.



Warning message

- 1. OVER HEAT
- ALTERNATOR
 LOW FUEL
- 4. LOW OIL PRESSURE
- 5. LOW COOLANT
- 6. ELEC.PROBLEM
 7. OVER LOAD (option)
- 8. AIR FILTER
- 9. CHECK ENGINE
- 10. BOOST TEMP, HIGH
- 11. CHECK BREAKER FILTER (option)

Active condition message

- 1. ENG.PRE HEAT
- 2. AUTO WARM UP
- 3. ENG.IDLING
- 4. POWER UP
- 5, ENGINE STOP

Language menu

Japanese Danish English Norwegian Thai Swedish Chinese Finnish Turkish German French Arabic Italian Malay Spanish Indonesian Portuguese (Pictograph) Dutch

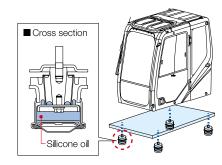
Flow Setting in 10 Patterns and Switching of Combined Circuit

The switch panel in the cab permits setting the flow rate for work with a maximum of ten different special attachments in advance. A circuit change for the breaker and crusher is also possible in the cab.



Fluid Filled Cab Mounts

Four fluid cab mounts reduce vibration and impact transmitted to the cabin, and improve the operators' sitting quality and reduce operator fatigue.



Automatic Air Conditioner with Round Outlets for Increased Comfort

The air outlets of the air conditioner are provided with round grills with wide adjusting angles. The efficiency of the air conditioner has been

increased by pressurizing the cab to make it airtight, providing a comfortable space.



ISO-compliant Pressurized Cab to Prevent Dust Entry

The sealed and pressurized (sealing by pressure) cab prevents entry of dust from outside.

Convenient One-touch Muting of AM/FM Radio

An AM/FM radio is provided as standard equipment. The mute switch on the left lever permits one-touch muting of the radio.







Low Operation Noise

* The ambient noise level is reduced by 3 dB, while the noise level inside the cab is reduced by approx. 4 dB. Reduction in the ambient noise by 3 dB achieves an effect equivalent to reduction in the sound sources by half.



Adoption of large muffler

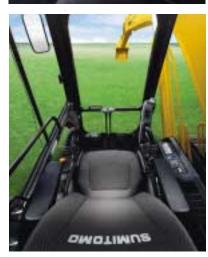
Reduced fan speed and the bell-mouthed fan guide ensures a noise level far below the standard level.

Safety

The wide view increases SUMITOMO the safety of work

In addition to the wide front view, the down-right view is also made larger to enhance the safety of work.





Anti-theft Alarm System

SUMITOMO's unique anti-theft system can be activated by your SUMITOMO distributors at the time of purchase.



Safety Equipment in case of an Emergency



New Gate Lock Lever and Console Tilt-up Function

The console tilt-up function permits easy entry and exit.





Safe and Easy Entry into and Exit from the Cab

A large handrail for easy opening/closing of the door and a non-slip plate are installed to permit the operator to get in and out of the cab easily.

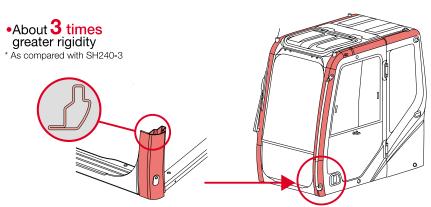




New non-slip plate

High-rigidity Cabin

The new cabin structure provides advanced operator protection.



ISO-compliant large handrail

Customer and Product Support

SUMITOMO's total commitment to product and customer support has enabled it grow into a world renowned manufacturer of hydraulic excavators. Supported by a global sales and service network of over four hundred distributors representing hydraulic from Japan to all five continents.



Easy Access to the Upper Structure

A large step and handrail, as well as a non-slip place, minimize the effort

when climbing on and off the upper

structure.

Specifications

SH240-5 Technical Data

Engine

Two variable displacement axial piston pumps, one gear pump for pilot controls and electronic-controlled engine of SPACE5 and SIH:S with New Hydraulic System Includes:three working modes(SP,H,A) one-touch/automatic idling system, automatic power-boost, speed assistance system, power-swing system.

SH240-5				
Model	ISUZU AH-4HK1X			
Туре	Water-cooled,4-cycle,overhead valve, 4-cylinder in line,Direct injection (electric control), turbo-charged diesel engine.			
Rated output	132 kW (180 PS)/2,000 min ⁻¹			
Maximum torque	636 N·m at 1,500 min ⁻¹			
Piston displacement	5,193 cc			
Bore and stroke	115 mm x 125 mm			
Starting system	24 V electric motor starting			
Alternator	24 V,50 A			
Fuel tank	410-liters			
Air filter	Double element			

Hydraulic pumps

Two variable displacement axial piston pumps provide power for boom, arm, bucket, swing and travel.

	SH240-5
Maximum oil flow	2 x 234 liters/min
Pilot pump max.oil flow	20 liters/min

Hydraulic motors

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

Relief valve settings

Boom/arm/bucket38.7 Mpa(395 kgf/cm²)<Holding pressure>
Boom/arm/bucket34.3 Mpa(350 kgf/cm²)<Working pressure>
Boom/arm/bucket36.8 Mpa(375 kgf/cm²)with Power-up<Working pressure>
Swing circuit28.9 Mpa(295 kgf/cm²)
Travel circuit34.3 Mpa(350 kgf/cm²)

Control valve

One 4-spool valve and one 5-spool valve with auxiliary spool.

Oil filtration

Hydraulic cylinders

•	•	
Cylinder	Q'ty	Bore x Rod Diameter x Stroke
Boom	2	130 mm x 90 mm x 1335 mm
Arm	1	145 mm x 105 mm x 1660 mm
Bucket	1	130 mm x 90 mm x 1070 mm

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

Cab & Controls

Cab mounted on 4 fluid mountings. Features include safety glass front, rear and side windows, reclining/sliding cloth-upholstered suspension seat with headrest and armrest, cigarette lighter,pop-up skylight window,and intermittent wiper with washer. Front window slides upward for storage and the lower front window is removable. Control levers are located in a 4 position tilting control consoles. Reliable soft-touch switches. Easy-to-read Full-dot LCD monitor keeps operation in touch with critical machine functions.

Swing

Planetary reduction powered by an axial piston motor.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.

	SH240-5
Swing speed	0~10.7 rpm
Tail swing radius	2,950 mm
Swing torque	74.9 kN·m(7,640 kgf·m)

Undercarriage

X-style carbody is integrally welded for strength and durability. Grease Cylinder track adjusters with shock absorbing springs. Undercarriage with Lubricated rollers and idlers.

Type of shoe:sealed link shoe

Upper rollers -

Heat treated, mounted on steel bushings

with fluorine resin, 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 on each side frame; adjustment yoke mechanism fitted with heavy duty recoil spring.

Number of rollers and shoes on each side

	SH240-5	
Upper rollers	2	
Lower rollers	9	
Track shoes	51	

Travel System

Two-speed independent hydrostatic system with compact axial motors for Increased performance. Hydraulic motor 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 switch panel.

Hydraulically released disc parking brake is built into each motor.

		SH240-5
Travel speed	High	5.5 km/h
rraver speed	Low	3.5 km/h
Maximum tract	ion force	216 kN(22,000 kgf)

Lubricant & Coolant Capacity

SH240-5				
Hydraulic system	250 liters			
Hydraulic oil tank	147 liters			
Fuel tank	410 liters			
Cooling system	25.2 liters			
Final drive case(per side)	4.5 liters			
Swing drive case	9.7 liters			
Engine crank case (with remote oil filter)	23 liters			

Auxiliary hydraulic system

SH240-5					
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	234 liters/min by 1 pump	468 liters/min by 2 pumps	468+60 liters/min		

Bucket

	dollot					
Model		SH240-5				
Bucket capacity (ISO/SAE/PCSA heaped)		0.80 m ³	1.00 m ³	1.10 m³	1.10 m ³	1.30 m ³
Bucket capacity (CECE heaped)		0.70 m ³	0.85 m ³	0.90 m ³	0.90 m³	1.10 m ³
Bucket type		STD	STD	STD	Level-pin	STD
Number of teeth		4	5	5	5	5
Width unit:mm	With side cutter	1 086	1 276	1 360	1 360	1 560
vviatri unit:mm	Without side cutter	985	1 175	1 260	1 260	1 460
Weight unit:kg		754.2	853	883.8	871.4	956.5
	2.50 m arm	•	•	•	•	0
Combination	3.00 m arm	•	•	0	0	0
	3.52 m arm	•	0	0	0	0

© Standard bucket (Suitable for materials with density up to 1,800 kg/m³ or less)

• Suitable for materials with density up to 2,000 kg/m³ or less

O Suitable for materials with density up to 1,600 kg/m³ or less △ Suitable for materials with density up to 1,200 kg/m³ or less

Weight & Ground Pressure

Model		SH2	40-5	
Shoe type	Shoe width	Overall width	Operating weight	Ground pressure
	600 mm	3 190 mm	24 400 kg	48 kPa
Triple grouser shoe	700 mm	3 290 mm	24 700 kg	49 kPa
	800 mm	3 390 mm	25 000 kg	50 kPa

Digging Force

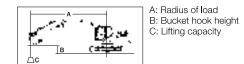
999				
Model			SH240-5	
Arm length		2.50 m	3.00 m	3.52 m
Bucket digging force	ISO 6015	162 kN (174 kN)	162 kN (174 kN)	162 kN (174 kN)
	SAE: PCSA	145 kN (155 kN)	145 kN (155 kN)	145 kN (155 kN)
Arm digging force	ISO 6015	141 kN (151 kN)	120 kN (129 kN)	107 kN (115 kN)
Ann diggling force	SAE: PCSA	136 kN (146 kN)	116 kN (125 kN)	104 kN (112 kN)

<u>16</u>

25	25	55	20	25	20	25	20

Lifting Capacity

- Notes: 1. Ratings are based on SAE J/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. 0m = Ground.





Unit : kg

SH2	40-	5			800 (mm SAE/PC			ARM LE			,	воо	M : 5.85	(m)										
											F	Radius	of Load	d										
Bucket		Max.	Radius		9	m	8	m	7	m	6	m	5	m	4	m	3	m	2	m		Min. F	Radius	
Hook Height	r r	j	G	F	Н	;	Н		ф		ф		H	;	H		Ů		ď		ľ	<u>.</u>	G	—
8 m																					2 682*	6.96	2 682*	6.96
7 m	2 482*	7.75	2 482*	7.75																	3 913*	7.13	3 913*	7.13
6 m	2 416*	8.33	2 416*	8.33			3 402*	3 402*													4 816*	7.04	4 816*	7.04
5 m	2 403*	8.76	2 403*	8.76			4 404*	3 876	5 089*	4 945											5 115*	6.67	5 115*	6.67
4 m	2 436*	9.06	2 436*	9.06	2 665*	2 665*	5 218*	3 781	5 513*	4 791	5 844*	5 844*									5 884*	5.90	5 884*	5.90
3 m	2 514*	9.23	2 514*	9.23	3 470*	2 958	5 632*	3 667	6 032*	4 613	6 641*	5 954	7 590*	7 590*	9 197*	9 197*			11 046*	11 046*	15 668*	2.48	15 668*	2.48
2 m	2 640*	9.30	2 640*	9.30	3 958*	2 884	5 506	3 547	6 589*	4 430	7 479*	5 674	8 891*	7 560	11 357*	10 780	15 563*	15 563*			4 475*	2.22	4 475*	2.22
1 m	2 825*	9.25	2 681	9.25	4 103*	2 814	5 383	3 433	6 683	4 261	8 258*	5 421	10 046*	7 172	13 113*	10 151	10 209*	10 209*			3 523*	2.02	3 523*	2.02
0 m	3 087*	9.10	2 709	9.10	3 680*	2 758	5 280	3 339	6 527	4 121	8 361	5 220	10 918*	6 885	14 248*	9 750	10 201*	10 201*	5 532*	5 532*	5 311*	1.92	5 290*	1.55
-1 m	3 462*	8.83	2 810	8.83			5 208	3 272	6 415	4 019	8 202	5 079	11 122	6 701	14 795*	9 535	11 690*	11 690*	7 690*	7 690*	7 497*	1.92	6 557*	1.38
-2 m	4 014*	8.43	3 004	8.43			5 177	3 244	6 354	3 963	8 114	5 001	11 014	6 609	14 846*	9 453	13 958*	13 958*	10 008*	10 008*	9 809*	1.92	8 774*	1.38
-3 m	4 885*	7.88	3 336	7.88					6 349	3 959	8 096	4 985	10 999	6 596	14 443*	9 469	16 924*	15 987	12 593*	12 593*	12 367*	1.92	11 143*	1.38
-4 m	6 216	7.16	3 904	7.16					6 421	4 025	8 154	5 037	10 828*	6 659	13 541*	9 575	17 617*	16 198	15 598*	15 598*	15 323*	1.92	13 794*	1.38
-5 m	7 290*	6.18	4 968	6.18							7 638*	5 183	9 582*	6 812	11 972*	9 779	15 359*	15 359*	19 278*	19 278*	18 913*	1.92	16 878*	1.38
-6 m	7 494*	4.81	7 494*	4.81											9 278*	9 278*	11 856*	11 856*			12 642*	2.75	12 642*	2.75

SH2	40-	5	SH(00 (mm)G AE/PCSA			I LENGTI KIMUM RI			BOOM	И: 5.85 (m)									
											Radius o	of Load										
Bucket		Max. I	Radius		8	m	7	m	6	m	5	m	4	m	3	m	2	m		Min. F	Radius	
Hook Height	r r	•	G	ļ-	Н	-	ů		H	-	Ů	;	H		H		Н]	G	
7 m	3 137*	7.11	3 137*	7.11			3 526*	3 526*											4 498*	6.63	4 498*	6.63
6 m	3 067*	7.74	3 067*	7.74			5 142*	4 990											5 356*	6.53	5 356*	6.53
5 m	3 069*	8.20	3 069*	8.20	3 884*	3 836	5 608*	4 887											5 780*	6.09	5 780*	6.09
4 m	3 132*	8.51	3 132*	8.51	5 173*	3 756	6 000*	4 743	6 445*	6 140									7 057*	5.10	7 057*	5.10
3 m	3 256*	8.70	3 148	8.70	5 618	3 654	6 484*	4 577	7 208*	5 877	8 367*	7 856	10 400*	10 400*	14 708*	14 708*			7 043*	2.37	7 043*	2.37
2 m	3 448*	8.77	3 034	8.77	5 502	3 547	6 839	4 409	7 991*	5 616	9 590*	7 436	12 426*	10 514	10 029*	10 029*			4 936*	2.62	4 936*	2.62
1 m	3 728*	8.72	2 997	8.72	5 395	3 450	6 673	4 258	8 546	5 391	10 616*	7 095	13 911*	9 990	8 612*	8 612*			4 380*	2.46	4 380*	2.46
0 m	4 129*	8.56	3 038	8.56	5 312	3 373	6 541	4 139	8 352	5 219	11 296	6 859	14 726*	9 695	10 003*	10 003*			6 515*	2.04	6 515*	2.04
-1 m	4 716*	8.27	3 170	8.27	5 263	3 329	6 455	4 062	8 229	5 110	11 137	6 724	14 976*	9 563	12 364*	12 364*	8 489*	8 489*	8 315*	1.92	8 442*	1.45
-2 m	5 419	7.84	3 424	7.84			6 422	4 032	8 175	5 063	11 078	6 674	14 763*	9 541	15 362*	15 362*	11 347*	11 347*	11 153*	1.92	10 188*	1.38
-3 m	6 129	7.25	3 868	7.25			6 456	4 062	8 195	5 080	11 109	6 700	14 100*	9 606	18 292*	16 227	14 456*	14 456*	14 220*	1.92	12 963*	1.38
-4 m	7 424	6.45	4 669	6.45					8 302	5 175	10 389*	6 804	12 897*	9 758	16 474*	16 474*	18 060*	18 060*	17 753*	1.92	16 072*	1.38
-5 m	7 932*	5.35	6 352	5.35							8 660*	7 021	10 882*	10 023	13 736*	13 736*	18 181*	18 181*	18 188*	2.00	18 188*	2.00

SH2	40-	5	SHO		600 (mm)G SAE/PCSA				H = 2.50 EACH = 8		BOO	M : 5.85	m)									
											Radius	of Loac										
Bucket		Max.	Radius		8	m	7	m	6	m	5	m	4	m	3	m	2	m		Min. I	Radius	
Hook Height	r r]		H	H		Ь		H	H	H		H		Ь		Ь	:]		<u> </u>
7 m	4 549*	6.52	4 549*	6.52															5 827*	6.15	5 827*	6.15
6 m	4 468*	7.20	4 468*	7.20			5 370*	4 897											5 938*	6.02	5 938*	6.02
5 m	4 497*	7.69	4 059	7.69			6 082*	4 816	6 360*	6 274									6 574*	5.49	6 574*	5.49
4 m	4 619*	8.03	3 687	8.03	4 802*	3 712	6 434*	4 687	6 979*	6 051	7 869*	7 869*	9 402*	9 402*					15 598*	2.52	15 598*	2.52
3 m	4 836*	8.23	3 454	8.23	5 586	3 628	6 878*	4 535	7 705*	5 802	9 059*	7 716	11 513*	10 958					11 109*	3.02	11 109*	3.02
2 m	5 164*	8.30	3 327	8.30	5 488	3 538	6 808	4 384	8 429*	5 564	10 195*	7 330	13 373*	10 288					8 031*	3.22	8 031*	3.22
1 m	5 143	8.25	3 292	8.25	5 401	3 458	6 663	4 253	8 512	5 365	11 081*	7 036	14 542*	9 875					6 852*	3.09	6 852*	3.09
0 m	5 261	8.08	3 352	8.08	5 340	3 402	6 555	4 156	8 352	5 224	11 278	6 850	15 017*	9 680	9 277*	9 277*			6 656*	2.57	6 656*	2.57
-1 m	5 550	7.77	3 525	7.77			6 495	4 102	8 262	5 145	11 171	6 759	14 977*	9 620	12 896*	12 896*	8 975*	8 975*	8 818*	1.92	9 810*	1.92
-2 m	6 085	7.32	3 856	7.32			6 495	4 101	8 244	5 128	11 159	6 748	14 514*	9 650	17 035*	16 301	12 779*	12 779*	12 585*	1.92	11 700*	1.38
-3 m	7 047	6.68	4 451	6.68					8 303	5 180	10 988*	6 811	13 600*	9 759	17 254*	16 501	16 837*	16 837*	16 577*	1.92	15 232*	1.38
-4 m	8 164*	5.80	5 597	5.80							9 767*	6 963	12 073*	9 958	15 112*	15 112*	19 710*	19 710*	20 203*	1.92	20 475*	1.72
-5 m	8 312*	4.53	8 312*	4.53									9 479*	9 479*	11 820*	11 820*			12 043*	2.91	12 043*	2.91



Principle Specifications	SH240-5
	STD Specifications
Boom length	5.85 m
Arm length Bucket capacity (ISO heaped)	3.00 m
	1.10 m ³
Std. operating weight	24 400 kg
Make & model	ISUZU AH-4HK1X
Make & model Rated output Displacement	132.1 kW/2 000 min ⁻¹
Displacement	5 193 ml(cc)
Main pump	2 variable displacement axial piston pumps
Main pump Max pressure (with auto power boost)	34.3 Mpa
	36.8 Mpa
Travel motor	Variable displacement axial piston motor
Travel motor Parking brake type Swing motor	Mechanical lock brake
S.M. g Meter	Fixed displacement axial piston motor
Travel speed	5,5/3,5 km/h
Traction force	216 kN (22,000 kgf)
g Grade ability	70% <35°>
Grade ability Ground pressure Swing speed Bucket	48 kPa
§ Swing speed	10.7 min ⁻¹
Bucket	162 kN
/with power boost	174 kN
Arm	120 kN
/with power boost	129 kN
Fuel tank Hydraulic fluid tank	410 liters
Hydraulic fluid tank	250 liters

Standard equipment

[Hydraulic system]

•SIH:S hydraulic system

[Safety equipment]

•Rearview mirror (left/right)

•Travel alarm (with on and off switch)

•Engine emergency stop switch

•Two lights (main unit and left of arm)

•Fuel prefilter (with water separator)

•Bucket rattling control mechanism

•Fuel filter (with water separator)

•Double-element air cleaner

•Grease-enclosed track link

•Large tool box

•A set of tools

•Emergency escape tool

•Anti-theft alarm system

Engine room firewall

•Long-life hydraulic oil

•Winding seat belt

•Gate lock lever

Fan guard

[Others] •EMS

- Operation mode (SP, H and A mode)
- Auto/one-touch idling
- •Automatic 2-speed travel
- Automatic power boost
- •Arm/boom/bucket reactivation circuit
- Automatic swing parking system
- •High-performance return filter

[Cab/interior equipment]

- •Tilting console
- •Open air introducing pressurized full-automatic air conditioner
- Defroster
- ●Hot & cool box
- •Water-repelling operator's seat
- Seat suspension
- •Rise-up wiper (with intermittent operation function)
- Cup holder
- •AM/FM radio (with muting function)
- •Clock
- Magazine rack
- Accessory case
- •Floor mat
- Armrest & headrest
- •Ashtray & cigar lighter
- •Room light (Auto-OFF function)
- Coat hook

Accessories (option)

■ Cab-top light









■ Head guard (FOPS level 2)



■ Polycarbonate with sunshade roof top window



■ Air suspension (KAB seat)

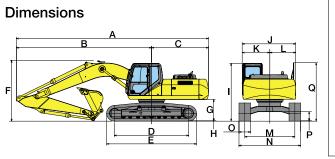


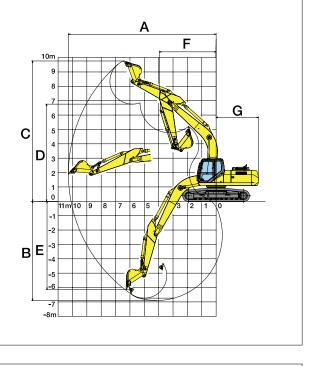
■ Rear view camera and monitor





Working Range SH240-5 Arm length 2.50 m 3.00 m 3.52 m Boom length 5.85 m 9 820 mm A Max digging radius 10 280 mm | 10 790 mm 6 400 mm 6 900 mm B Max digging depth 7 420 mm C Max digging height 9 550 mm 9 760 mm 10 070 mm D Max dumping height 6 550 mm 6 760 mm 7 060 mm E Max vertical wall cut depth 5 700 mm 6 140 mm 6 680 mm F Min, front swing radius 3 980 mm 3 980 mm G Rear end swing radius 2 950 mm





Model		SH240-5	
Arm length	2.50 m	3.00 m	3.52 m
A Overall length	9 980 mm	9 930 mm	9 910 mm
B Length from center of machine (to arm top)	7 040 mm	6 990 mm	6 970 mm
C Upper structure rear end radius	2 940 mm	2 940 mm	2 940 mm
D Center to center of wheels	3 840 mm	3 840 mm	3 840 mm
E Overall track length	4 650 mm	4 650 mm	4 650 mm
F Overall height	3 310 mm	3 150 mm	3 310 mm
G Clearance height under upper structure	1 100 mm	1 100 mm	1 100 mm
H Shoe lug height	26 mm	26 mm	26 mm
I Cab height	3 000 mm	3 000 mm	3 000 mm
J Upper structure overall width	2 770 mm	2 770 mm	2 770 mm
K Width from center of machine (left side)	1 430 mm	1 430 mm	1 430 mm
L Width from center of machine (right side)	1 340 mm	1 340 mm	1 340 mm
M Track gauge	2 590 mm	2 590 mm	2 590 mm
N Overall width	3 190 mm	3 190 mm	3 190 mm
O Std. Shoe width	600 mm	600 mm	600 mm
P Minimum ground clearance	460 mm	460 mm	460 mm
Q Handrail height	3 020 mm	3 020 mm	3 020 mm