

Standard Equipment

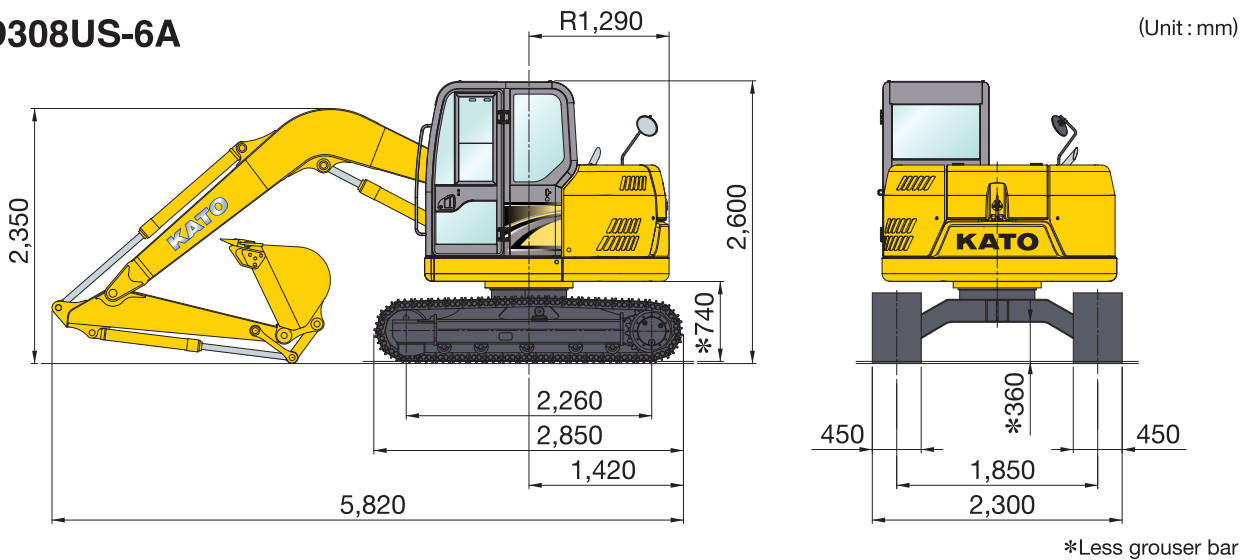
- COLOR MONITOR DISPLAY (APC300)
- SEAT-BELT
- AUTOMATIC AIR CONDITIONER (PRESSURIZED)
- INTERMITTENT WINDSHIELD WIPER
- EMERGENCY ESCAPE HAMMER
- AM/FM RADIO (2 SPEAKERS)
- DUAL CORN SPEAKER × 2
- CABIN LIGHT
- 3 STD WORKING LIGHTS (FRONT RIGHT SIDE, BOOM-L, CAB-L)
- TAIL VIEW MIRROR
- WORKING MODE SELECTOR (APC300)
- AUTO-SLOW, ONE TOUCH SLOW
- AUTOMATIC PARKING BRAKE (TRAVELING)
- SERVICE PORT (1 SPOOL)
- AIR CLEANER DOUBLE ELEMENT
- EMERGENCY SWITCH TO STOP ENGINE
- BOOM / ARM ANTI-DRIFT VALVE
- SLEWING ANTI-COUNTER ACTION
- TOOL SET
- GREASE GUN
- HYDRAULIC LOCK LEVER

Optional Equipment

- OPTIONAL WORKING LIGHT (BOOM-R)
- OPTIONAL WORKING LIGHT (CAB-R)
- UNDER COVER SLEWING TABLE (THICKER)
- OPTION PIPING
- BOOSTING CIRCUIT FOR CRUSHER
- MULTI-LEVER
- WINDSHIELD HALF SIZE GUARD
- WINDSHIELD FULL SIZE GUARD
- CABIN GUARD
- REAR VIEW MIRROR-R
- REAR VIEW MIRROR-L
- ELECTRIC HORN
- SLEWING WARNING LAMP
- BUZZER TRAVELING
- ELECTRIC REFUELING PUMP
- FIRE EXTINGUISHER
- HOSE RUPTURE VALVE (FOR BOOM CYLINDERS)
- HOSE RUPTURE VALVE (FOR ARM CYLINDER)
- TRACK GUARD (1 PCS EACH SIDE)
- TRACK GUARD (2 PCS EACH SIDE)
- OPTIONAL WEIGHT (+500kg)
- RELIEF VALVE FOR BREAKER
- REAR VIEW MONITOR

Dimensions

HD308US-6A



<http://www.kato-works.co.jp>

NOTE : Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes without notice. Mentioned figures are approximate.

● Contact for enquiry:

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SINCE 1895

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REGZM

FULLY HYDRAULIC EXCAVATOR

HD308US-6A

Bucket capacity : 0.12m³- 0.34m³ (ISO)
Engine output : 41.0kW / 2,000min⁻¹ (ISO 9249 Net)
Operating weight : 7,300kg





Environment-friendly & User-friendly Compact tail KATO excavator

REGZM



Reliable and clean ISUZU engine is adopted

- Model : ISUZU CP-4LE2X (Tier 4).
Saves the fuel consumption, inject optimum amount of fuel by the common rail system.
Reduces more NOx by the large capacity intercooler and turbo charged EGR system.

DOC is installed

- DOC (Diesel Oxidation Catalyst) reduces HC and CO.

Fuel efficiency up approximately 11%

- With the latest APC300, fuel efficiency increased approximately by 11% compared to previous model at "A mode" (All-round mode).

Safe cabin

- Enhances operator's safety by Top Guard complying with ISO 10262 (Top Guard level I without cabin guard) and Roll Over Protection Structure (ROPS).

Compact tail swing model

- Tail swing radius is 1,290mm.
Minimum front swing radius is 1,630mm.
Advantage in narrow working site.

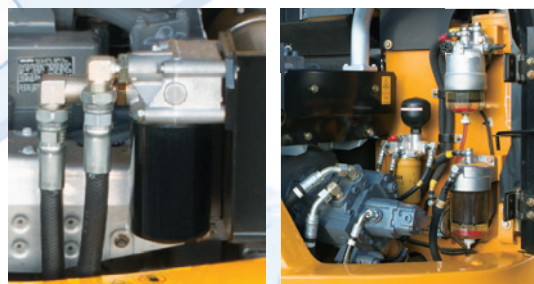
Powerful digging force

- Maximum bucket digging force is 61.4 kN.
Maximum arm digging force is 42.2kN.

※Dozer is option



Easy to maintain by user-friendly design



▲ Easy access to the fuel filter and the engine oil filter.



▲ Parallel configuration oil cooler and radiator make maintenance easier.



▲ The one touch cock enables to discharge oil without staining hand or using tool.



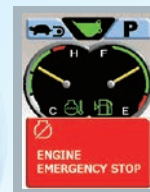
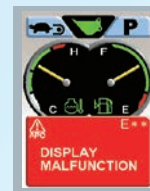
▲ Powerful double element for the air cleaner.



Rear view camera (option)

- Operator can monitor rear view by the rear view camera.

Latest APC300 with various functions



- Able to set maintenance term for filter and oil.
- Hour meter function is adopted.
- "P mode" (Pro Mode) is adopted. P, A and E mode operation method are selectable
- Emergency backup switch is equipped for in case of APC malfunction.

P Mode

Pro mode established both power and good response.

A Mode

All-round mode is ideal for general operation.

E Mode

ECO mode for economical works.

Auto-slow mode

Auto-slow mode controls the engine to idle engine speed automatically and save the fuel consumption.



Roomy and comfortable cabin



◀ The hour meter can be checked even when key is turned off.

APC monitor
Switch panel
Defroster
Drink holder

Tool box

FM/AM radio /
switch panel for air conditioner



▲ Defroster



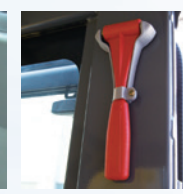
▲ Switch panel



▲ Drink holder



▲ Tool box



▲ Emergency escape hammer



▲ FM/AM radio / switch panel for air conditioner

Technical Specifications

ENGINE		HYDRAULIC SYSTEM		TRAVEL SYSTEM		CAB & CONTROLS	
Model..... ISUZU CP-4LE2X 4 cycle intercooler turbo charged diesel engine		Pumps..... Double variable piston pump and gear pump		Drive..... Independent axial piston motor with reduction for each side		Type..... All weather sound suppressed, cab mounted on 4 point viscous mounting.	
Number of cylinders..... 4		Max. discharge flow..... 2x74.0L/min		Brakes... Independent disk parking brake for each side, applied automatically when the travel levers are in the neutral position.		Right hand levers..... Controls the boom & bucket	
Bore & Stroke..... 85.0mm×96.0mm		Max. discharge pressure..... 29.4MPa		Track shoes..... 39 each side		Inner right hand lever (with foot pedal)..... Controls the right hand track	
Total displacement..... 2.179 L		Max. discharge pressure (travel circuit only)..... 31.4MPa		Track adjustment..... Grease cylinders with recoil springs		Inner left hand lever (with foot pedal)..... Controls the left hand track	
Rated output..... 43.0kW/2,000min ⁻¹ (ISO 14396)		Oil filtration... Full-flow filter with replaceable element, a pilot line filter and suction strainer		Lubrication... Sealed-for-life rollers and front idlers with floating seals		Left hand lever... Controls the arm & swing	
41.0kW/2,000min ⁻¹ (ISO 9249 Net)		Control valves..... 5+4 section multiple control valves (with one free service circuit)		Travel speed..... High 0~5.0km/h Low 0~3.2km/h		Pilot control..... Travel, boom, arm, bucket and swing	
Max. torque..... 215N·m/1,800min ⁻¹ (ISO 14396)		Pilot pump..... Gear type		Gradeability..... 70% (35°)		Engine throttle..... Electric "Accell dial"	
207N·m/1,800min ⁻¹ (ISO 9249 Net)		Oil cooler... Finned tube, forced ventilation		Max. drawbar pull..... 66.9kN		Meter & gauges..... Hour meter, water temperature and fuel level	
Compression ratio..... 17.6:1		Pressure relief valves..... Primary and secondary on each circuit		Ground clearance..... 360mm (less grouser bar)		Working lights..... Provided on the boom left side and right front cover and cab left side	
Combustion system..... Direct injection		Lubrication..... Completely housed and grease bathed		Track length..... 2,850mm		Lubrication chart..... Inside of the right front side cover	
Specific fuel consumption 225±7g/kW-hour		Max. swing speed..... 10.0min ⁻¹					
Cooling system..... Pressurized water circulated by a centrifugal pump with thermostat		Tail swing radius..... 1,290mm					
Lubrication system..... Pressurized oil fed by a gear pump through full-flow and by-pass cartridge filter		Min. front swing radius..... 1,630mm					
Starter..... Electric, 24V-3.2kW							
Generator..... Alternator, 24V-50A							
Governor..... Electronic							
Air cleaner..... Dry type filter							

SWING SYSTEM	
Drive... Axial piston motor with shockless valve and reduction gear.	
Brake... A mechanical parking brake which is applied when the safety lock lever is pulled backwards, the engine is turned off or the swing control lever is in the neutral position.	
Lubrication..... Completely housed and grease bathed	
Max. swing speed..... 10.0min ⁻¹	
Tail swing radius..... 1,290mm	
Min. front swing radius..... 1,630mm	

BOOM, ARM AND BUCKET	
Boom cylinder..... One, double acting	
Bore & Stroke..... 105mm×960mm	
Arm cylinder..... One, double acting	
Bore & Stroke..... 95mm×920mm	
Bucket cylinder..... One, double acting	
Bore & Stroke..... 85mm×745mm	
Lubrication..... Grease nipples, with centralized greasing for remote points	
Bucket digging force... 61.4kN (6,300kgf)	
Arm digging force..... 42.2kN (4,300kgf)	

SERVICE DATA	
Fuel tank..... 120 L	
Cooling system..... 12.5 L	
Engine oil..... 10.7 L	
Track drives..... 2×1.3 L	
Hydraulic oil tank (level)..... 51 L	
(system)..... 98 L	
In standard figure, with the 1.62m arm, 450mm grouser shoes and 0.28m ³ (ISO), bucket.	
Operating weight..... 7,300kg	
Ground pressure..... 32kPa	

APC300	
● Quick Selection of Working Modes	
P: Professional mode for experienced operator. Established both power and good response	
A: All-round Multi Purpose Mode for all application from precision work to heavy duty work by stroke of operation levers	
E: ECO Mode for economical works	
● Color monitor display with back up light	
● Engine oil pressure	
● Hydraulic oil filter	
● Engine preheater	
● Hydraulic oil temperature	
● Water temperature	
● Water level	
● Fuel level	
● Battery charge	
● Air cleaner	
● Calendar	
● Hour meter	

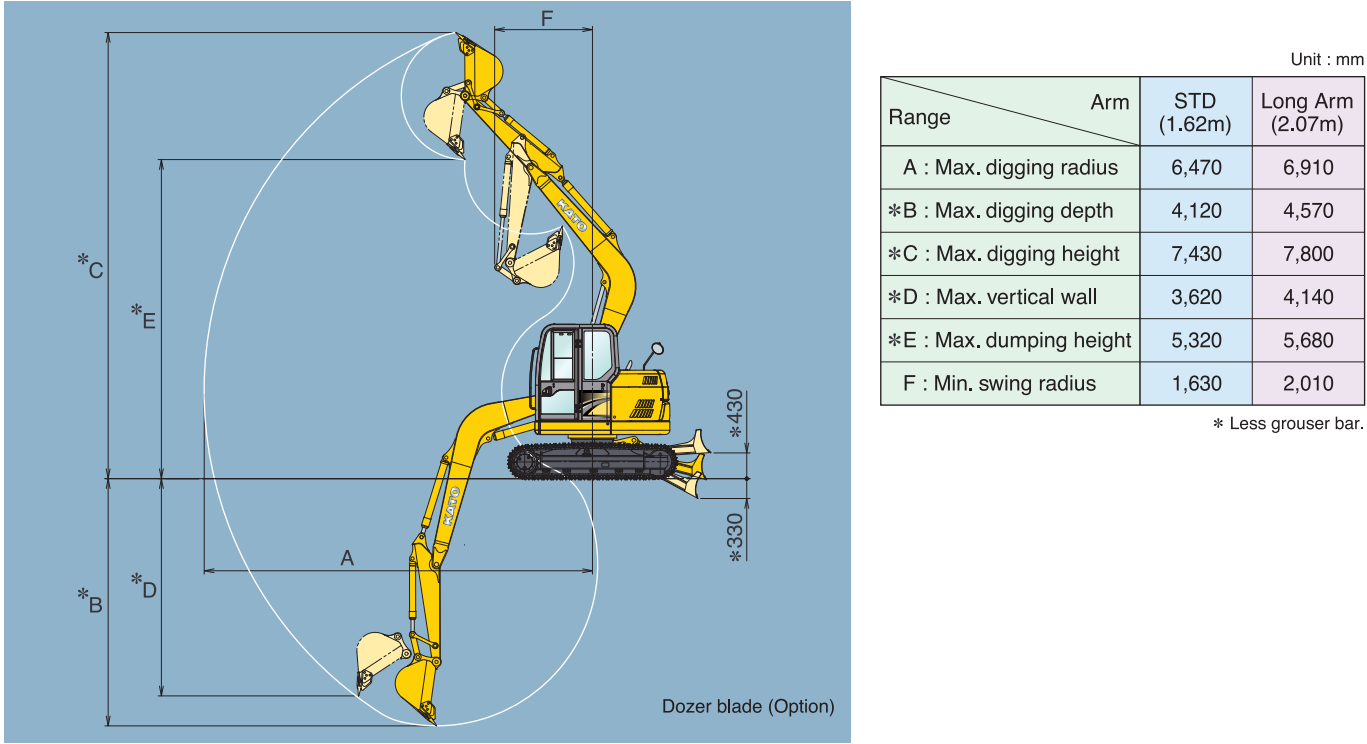
Bucket						
Type of bucket		Backhoe bucket				
Bucket capacity m ³ , ISO		0.12	0.16	0.22	0.28	0.34
Bucket width	W/O side cutters, mm	370	440	555	650	770
	with side cutters, mm	480	555	670	770	890
Bucket weight kg		170	190	210	230	250
Number of bucket teeth		3	3	3	4	4
Shape of bucket						
Standard boom +	Standard arm	●	●	●	●	▲
	Long arm	●	●	●	▲	×

● General purpose ▲ Light work × Unusable ● Yellow colored area means standard.

Track Shoes			
Type of shoes		Pad crawler	Grouser shoe
Shoe width mm		450	450 600
Distance between shoe edge of both side mm		2,300	2,300 2,450
Ground pressure kPa		32 (0.33)	32 (0.33) 25 (0.25)
Net weight change kg		± 0	S.T.D +100

● Yellow colored area means standard.

Working Ranges



Lifting Capacities

HD308US-6A BOOM: 3.83m, ARM: 1.62m, BUCKET: 0.28m³ (230kg), SHOE WIDTH: 450mm, COUNTERWEIGHT: 1,060kg Unit: 1,000kg

LOAD POINT HEIGHT B (m)	OUTREACH A (m)								RATING AT MAXIMUM REACH		
	2.00		3.00		4.00		5.00				
											m
5.00			*1.35	*1.35							
4.00			*1.56	*1.56	*1.48	*1.48					
3.00	*2.85	*2.85	*2.03	*2.03	*1.70	1.52	1.26	1.02	1.09	0.88	5.39
2.00			*2.64	2.28	1.77	1.43	1.22	0.98	1.00	0.80	5.58
1.00			2.68	2.10	1.68	1.34	1.17	0.94	0.97	0.78	5.58
0.00	*3.06	*3.06	2.58	2.01	1.62	1.29	1.14	0.91	1.01	0.80	5.40
-1.00	*3.10	*3.10	2.56	1.99	1.59	1.26	1.13	0.90	1.13	0.90	5.01
-2.00	*3.09	*3.09	2.59	2.02	1.61	1.28			1.42	1.13	4.36
-3.00	*3.20	*3.20	*2.24	2.11					*1.98	1.83	3.29

HD308US-6A BOOM: 3.83m, ARM: 2.07m, BUCKET: 0.22m³ (210kg), SHOE WIDTH: 450mm, COUNTERWEIGHT: 1,060kg Unit: 1,000kg

LOAD POINT HEIGHT B (m)	OUTREACH A (m)										RATING AT MAXIMUM REACH		
	2.00		3.00		4.00		5.00		6.00				
													m
6.00													
5.00					*1.18	*1.18							
4.00					*1.27	*1.27	*1.29	1.08					
3.00			*1.69	*1.69	*1.49	*1.49	1.29	1.05			0.94	0.76	5.89
2.00	*3.72	*3.72	*2.33	*2.33	*1.80	1.46	1.23	1.00	0.89	0.71	0.87	0.69	6.06
1.00	*2.53	*2.53	2.73	2.15	1.70	1.36	1.18	0.95	0.86	0.68	0.85	0.67	6.06
0.00	*2.92	*2.92	2.60	2.03	1.62	1.29	1.14	0.90			0.87	0.69	5.89
-1.00	*3.02	*3.02	2.54	1.98	1.58	1.25	1.11	0.88			0.95	0.75	5.54
-2.00	*3.07	*3.07	2.55	1.98	1.58	1.25					1.14	0.90	4.96
-3.00	*3.28	*3.28	2.61	2.04	1.63	1.30					1.60	1.27	4.06

NOTE: 1. The lifting capacities are based on ISO 10567.
2. The lifting capacities shown do not exceed 87% of machine hydraulic capacity or 75% of minimum tipping load.
3. The capacities marked with an asterisk (*) are limited by hydraulic capacities.
4. The lifting capacities are based on machine standing on firm, uniform supporting surface.
User must make allowances for job conditions such as soft or uneven ground.
5. The lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
6. The capacities apply only to the machine as originally manufactured and equipped by KATO WORKS CO., LTD.
7. The operator should be fully acquainted with the Operation Manual before operating the machine.