

Standard Equipment

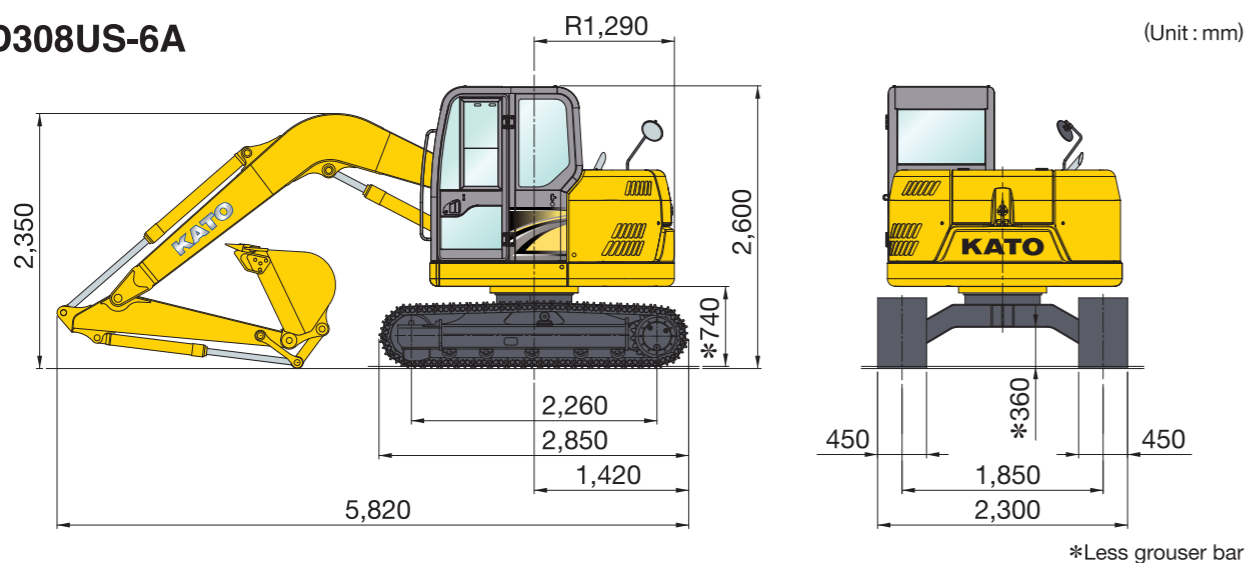
- COLOR MONITOR DISPLAY (APC300)
- SEAT-BELT
- AUTOMATIC AIR CONDITIONER (PRESSURIZED)
- INTERMITTENT WINDSHIELD WIPER
- EMERGENCY ESCAPE HAMMER
- AM/FM RADIO (2 SPEAKERS)
- DUAL CORN SPEAKER X 2
- CABIN LIGHT
- 3 STD WORKING LIGHTS (FRONT RIGHT SIDE, BOOM-L, CAB-L)
- TAIL VIEW MIRROR
- WORKING MODE 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.

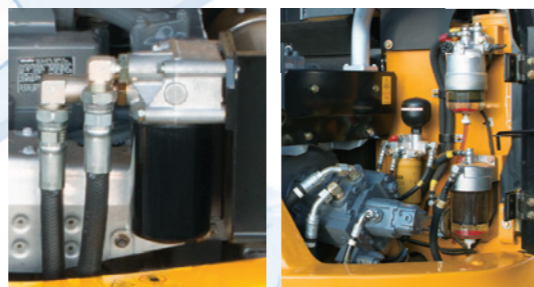
Powerful digging force

- 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.

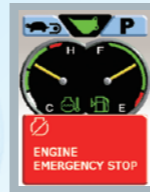


▲ The one touch cock enables to discharge oil without staining hand or using tool.



▲ Powerful double element for the air cleaner.

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



Rear view camera (option)

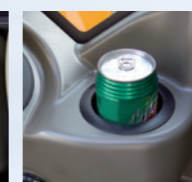
- Operator can monitor rear view by the rear view camera.



▲ Defroster



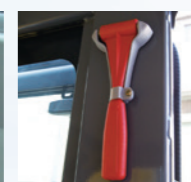
▲ Switch panel



▲ Drink holder



▲ Tool box



▲ Emergency escape hammer



▲ FM/AM radio / switch panel for air conditioner

Technical Specifications

ENGINE

Model..... ISUZU CP-4LE2X
 4 cycle intercooler turbo charged diesel engine
 Number of cylinders..... 4
 Bore & Stroke..... 85.0mm×96.0mm
 Total displacement..... 2.179 L
 Rated output..... 43.0kW/2,000min⁻¹
 (ISO 14396)
 41.0kW/2,000min⁻¹
 (ISO 9249 Net)
 Max. torque..... 215N·m/1,800min⁻¹
 (ISO 14396)
 207N·m/1,800min⁻¹
 (ISO 9249 Net)
 Compression ratio..... 17.6:1
 Combustion system..... Direct injection
 Specific fuel consumption..... 225±7g/kW-hour
 Cooling system..... Pressurized water circulated by a centrifugal pump with thermostat
 Lubrication system..... Pressurized oil fed by a gear pump through full-flow and by-pass cartridge filter
 Starter..... Electric, 24V-3.2kW
 Generator..... Alternator, 24V-50A
 Governor..... Electronic
 Air cleaner..... Dry type filter

HYDRAULIC SYSTEM

Pumps..... Double variable piston pump and gear pump
 Max. discharge flow..... 2×74.0L/min
 Max. discharge pressure..... 29.4MPa
 Max. discharge pressure (travel circuit only)..... 31.4MPa
 Oil filtration..... Full-flow filter with replaceable element, a pilot line filter and suction strainer
 Control valves..... 5+4 section multiple control valves (with one free service circuit)
 Pilot pump..... Gear type
 Oil cooler..... Finned tube, forced ventilation
 Pressure relief valves..... Primary and secondary on each circuit

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

TRAVEL SYSTEM

Drive..... Independent axial piston motor with reduction for each side
 Brakes..... Independent disk parking brake for each side, applied automatically when the travel levers are in the neutral position.
 Track shoes..... 39 each side
 Track adjustment..... Grease cylinders with recoil springs
 Lubrication..... Sealed-for-life rollers and front idlers with floating seals
 Travel speed..... High 0~5.0km/h
 Low 0~3.2km/h
 Gradeability..... 70% (35°)
 Max. drawbar pull..... 66.9kN
 Ground clearance..... 360mm (less grouser bar)
 Track length..... 2,850mm

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 0.28m³ (ISO), bucket.
 Operating weight..... 7,300kg
 Ground pressure..... 32kPa

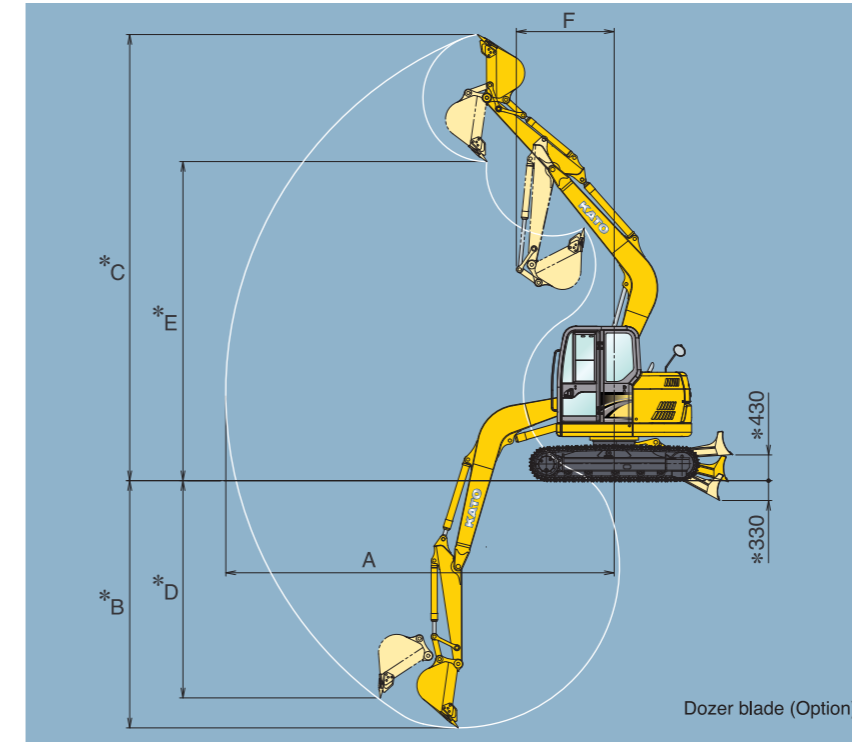
CAB & CONTROLS

Type..... All weather sound suppressed, cab mounted on 4 point viscous mounting.
 Right hand levers..... Controls the boom & bucket
 Inner right hand lever (with foot pedal)..... Controls the right hand track
 Inner left hand lever (with foot pedal)..... Controls the left hand track
 Left hand lever..... Controls the arm & swing
 Pilot control..... Travel, boom, arm, bucket and swing
 Engine throttle..... Electric "Accell dial"
 Meter & gauges..... Hour meter, water temperature and fuel level
 Working lights..... Provided on the boom left side and right front cover and cab left side
 Lubrication chart..... Inside of the right front side cover

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

Working Ranges

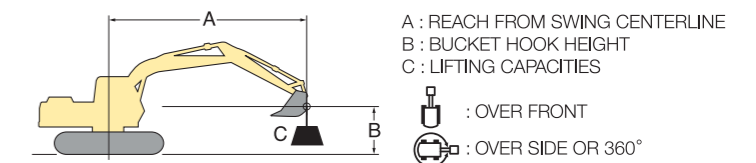


Unit : mm

Range	Arm (1.62m)	Long Arm (2.07m)
A : Max. digging radius	6,470	6,910
*B : Max. digging depth	4,120	4,570
*C : Max. digging height	7,430	7,800
*D : Max. vertical wall	3,620	4,140
*E : Max. dumping height	5,320	5,680
F : Min. swing radius	1,630	2,010

* Less grouser bar.

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	
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.

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.