

HYDRAULIC EXCAVATOR

EQUIPMENT

- New color monitor display (APC300)
- Auto-slow, one touch slow
- Working mode selector (APC300)2 speed modes for traveling
- Automatic transmission for traveling
- Pull up front window
- 6 points viscous dumpling cab
- Double slide operation seat
- Seat suspension adjustable to operator's weight
- Intermitted windshield wiper
- Emergency exit rear window
- Cabin light
- 2 std working lights
 (Slewing table right side and boom left side)
 Boom / Arm Anti-drift valve
- High power of digging force
- Slewing anti-counter action
- Automatic parking brake (slewing)
- Automatic parking brake (traveling)
- Service port (1 spool)
- Rear view mirror (right side)
- Full track guard
- 2 holes front window washer
- Automatic air conditioner (pressurized)
- Hot & cool box
- AM / FM radio
- 13 cm dual corn speaker ×2
- Air cleaner double element
- Pre-cleaner
- Tool set
- Arm protection plate
- Seat-belt
- 2 ways option piping for breaker & crusher (option)
- Fire extinguisher

Contact for enquiry:

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

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Better maintainability and safety Establish a long-term stability of the machine



Common rail electronic control fuel system further enhances fuel efficiency **More energy efficient and** more environmentally friendly

High efficiency Low fuel consumption Low noise Mitsubishi 6M60-TL engine

- High output power engine with intercooler and turbocharger
- Max. output power: 183kW / 2,150 min⁻¹ (ISO Net)
- Max. torque :824N·m/1,800min⁻¹ (ISO Net)
- Fuel consumption: 215 a / kW·h

Latest APC300 with various functions



MENU



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 ideal engine speed automatically and save the fuel consumption.

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



Initial confirmation screen



■ When the monitor fails



When engine emergency stop switch is operated

New Seat





▲ Hour meter The location of hour meter improved so as to confirm conveniently from outside of the cab THE PERSON



Technical Specifications

ENGINE	
Model····· Mitsubishi 6M6	0-TL,
4 cycle intercooler	turbo
charged diesel er	ngine
Number of cylinders·····	6
Bore & Stroke 118mm×11	5mm
Total displacement 7	.54 L
Rated output·····183kW/2,150)min ⁻¹
(ISO	Net)
Max. torque ······ 824N • m/1,800)min ⁻¹
	Net)
Compression ratio ······1	7.5:1
Combustion system Direct inje	ection
Unit fuel consumption 215g/k	κW•h
Cooling system Pressurized	water
circulated	by a
centrifugal p	oump
with therm	ostat
Lubrication system ····· Pressurized of	il fed
by a gear p	oump
through ful	I-flow
and by-	-pass
cartridge	filter
Starter Electric, 24V	
Generator Alternator, 24V	'-50A
Governor····· Electronic var	
speed co	
Air cleaner Dry type double	filter

IIIDIIAUL	IO O IO I LIM
Pumps······ Doub	ole variable piston pump and gear pump
Max. discharge flow	w····· 2×307L/min
Max. discharge pre	essure 31.4MPa
Max. discharge pre	essure
(High power)······	32,9MPa
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
	tube, forced ventilation
Pressure relief valv	es····· Primary and
	secondary on
	each circuit

CAB & CONTROLS

BOOM, ARM AND BUCKET
Boom cylinders······· 2, double acting Bore & Stroke······ 150mm×1,450mm Arm cylinder······ One, double acting Bore & Stroke····· 170mm×1,840mm Bucket cylinder···· One, double acting Bore & Stroke···· 150mm×1,230mm
Lubrication Grease nipples, with centralized greasing for remote points
Bucket digging force

SWING SYSTEM

Drive Axial piston motor with shockless
valve and reduction gear.
Brake···A hydraulic brake that locks
automatically when the swing
control lever is in the neutral
position and 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.
Lukukaskan Campulatah harraad and

grease bathed
Max.swing speed······10.0min-
Tail swing radius 3,460 mm
Min front ewing radius

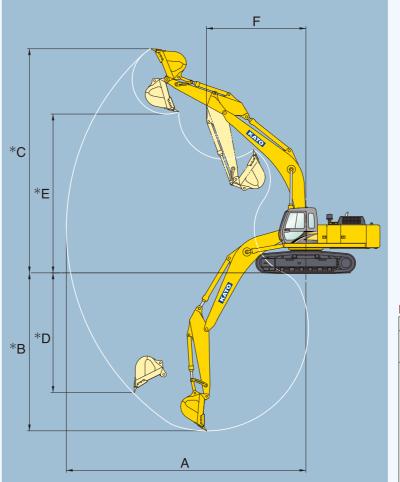
TRAVEL SYSTEM

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····· 45 each side		
Track adjustment······ Grease cylinders		
with recoil springs		
Lubrication Sealed-for-life rollers and		
front idlers with floating seals		
Travel speed ······ High 0~5.2km/h		
Low 0~3.9km/h		
Gradeability70% (35°)		
Max.drawbar pull 296kN		
Ground clearance 500mm		
(less grouser bar)		
Track length 4 670 mm		

SERVICE DATA

CENTICE DATE
Fuel tank 660 L
Cooling system·····45 L
Engine oil····· 33 L
Track drives····· 2×9.5 L
Revolving mechanism······ 10.5 L
Hydraulic oil tank
(level)200 L
(system)405 L
In standard figure, with the 3.14m arm,
600mm grouser shoes and 1.6m3 (ISO),
bucket.
Operating weight·····36,000kg
Ground pressure 72kPa

Working Ranges



	Unit:mm
Range	Reinforced arm 3.14m
A : Maximum digging radius	11,190
*B : Maximum digging depth	7,380
*C : Maximum digging height	10,470
*D : Maximum vertical wall	5,590
*E : Maximum dumping height	7,420
F : Min. swing radius	4,640
	* Less grouser bar

Bucket

Type of bucket		Backhoe bucket		
Bucket capacity m³, ISO		1.6 (Heavy-duty)	1.8	
Bucket	W/O side cutters mm	1,350	1,660	
width	with side cutters mm	1,410	_	
Number of bucket teeth		5	6	
Shape of bucket			Many Company	
Reinforced arm		•	A	

● General purpose ▲ Light work ○ Blue colored area means standard.

	Track Shoes		
			Grouser shoe
Type of shoes			
<u>></u>	Shoe width mm		600
body	Operating weight kg		36,000
main	Overall height mm		3,480
fo	Ground clearar	nce mm	*500
	Crawler overall length mm		4,670
ficat	Distance between shoe edge of both side mm		3,190
Specifications	Ground pressure	kPa	72
S		kgf/cm ²	0.73

Ground pressure when equip standard bucket and arm.

* Less grouser bar

O Blue colored area means standard.

Dimension: HD1638-R5 (Unit:mm) R3,460 3,130 3,760 600 600 4,670 2,590 11,210 3,190 * Less grouser bar

HYDRAULIC SYSTEM

Pumps······ Double variable piston pump and gear pump
0 1 1
Max. discharge flow····· 2×307L/min
Max. discharge pressure······ 31.4MPa
Max. discharge pressure
High power)····· 32.9MPa
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

Type All weather sound suppressed,

cab mounted on 6 point viscous mounting. Right hand levers Controls the boom &

Left hand lever ... Controls the arm & swing

Pilot control·····Travel, boom, arm, bucket

Engine throttle Electric "Accell dial" Meter & gauges ······ Hour meter, water

Working lights ····· Provided on the boom

Lubrication chart Inside of the left side cover

APC300 Quick Selection of Working Modes P: Professional mode for experienced

good response

operation levers

 Engine oil pressure Hydraulic oil filter Engine preheater Hydraulic oil temperature

Water temperature Water level Fuel level

Battery charge

Calendar

APC monitor and air cleaner

operator. Established both power and

A: All-round Multi Purpose Mode for all application from precision work to heavy duty work by stroke of

E: ECO Mode for economical works • Color monitor display with back up light

·· Controls the right hand track

Controls the left

hand track

and swing

temperature and fuel

left side and right front cover

Inner right hand lever (with foot pedal) ·····

Inner left hand lever

(with foot pedal)...

Boom cylinders······	· 2, double acting
Bore & Stroke······	150mm×1,450mm
Arm cylinder·····	One, double acting
Bore & Stroke······	170mm×1,840mm
Bucket cylinder······	One, double acting
Bore & Stroke······	150mm×1,230mm
Lubrication Great	ase nipples, with
cent	ralized greasing for
remo	ote points
Bucket digging force ·····	·····225 kN
(High power)·····	236kN

Lubrication ····· Completely housed and

ving radius······ 3,460mm	600mm grou
ont swing radius	bucket.
Standard Boom······4,640mm	Operating w
	Ground pres

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