

## 600C LC EXCAVATOR

97,200 lb (4489 kg)

Height .....	14 ft 8 in. (4.48 m)
Length.....	42 ft 5 in. (12.92 m)
Machine Width .....	13 ft 1 in. (3.99 m)

### ENGINE.....Isuzu 6WG1XQA

Number of Cylinders and Displacement .....	6 cylinders 957 cu in. (15.7 L)
Air Intake System.....	Turbocharged
Net hp at 1800 rpm.....	396 SAE hp (295 kW)
Net Torque at 1500 rpm.....	1140 lb-ft (1540 N•m)
Engine Speeds:	
Slow Idle .....	900 ± 100 rpm
Auto Idle .....	1250 ± 100 rpm
“E” (Economy Mode) Fast Idle, No Load.....	1820 ± 100 rpm
“P” (Power Mode) Arm In, Over Relief.....	1950 + 100 rpm
“HP” (HP Mode) Arm In, Over Relief.....	1960 ± 100 rpm
Turbocharged Boost Pressure at 1800 rpm (No. 2 Fuel).....	17 psi (117 kPa)
Electrical System .....	24 volt

### POWER TRAIN

Propel Motor .....	Variable displacement, axial-piston, swashplate type
Propel Brake .....	Wet, multiple disk, spring applied, hydraulic release

### HYDRAULIC SYSTEM—Open-Center

Main Pumps.....	Variable displacement, axial-piston, swashplate type
Pressure Setting:	
Minimum Oil Flow 1700 rpm and 3000 psi (20 684 kPa):	
New .....	101—111 gpm (382—420 L /min)
Used .....	81 gpm (306 L/min)
Pilot Pump Pressure Setting at:	
Slow Idle .....	535—670 psi (3700—4600 kPa)
Fast Idle.....	565—710 psi (3900—4900 kPa)

### RELIEF VALVE SETTINGS

Boom Up I Head End.....	4700—4845 psi (32 400—33 400 kPa)
Boom Down I Rod End .....	4700—4845 psi (32 400—33 400 kPa)
Arm Out I Rod End .....	4700—4845 psi (32 400—33 400 kPa)
Arm In II Head End .....	4700—4845 psi (32 400—33 400 kPa)
Bucket:	
Dump (Rod End) .....	4700—4845 psi (32 400—33 400 kPa)
Curl (Head End) .....	4700—4845 psi (32 400—33 400 kPa)
Propel Crossover Relief Valve.....	5325—5685 psi (36 700—39 200 kPa)
Swing Motor Crossover Relief Valve .....	4265—4555 psi (29 400—31 400 kPa)
Power Boost Valve.....	4975—5335 psi (34 300—36 800 kPa)
System Relief .....	4430—4660 psi (30 900—32 100 kPa)

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## CYCLE TIMES (Max at Fast Idle)

Swing, 3 Revolutions from a Running Start .....	17.0—20.0 sec
Propel, 65 ft (20 m), from a Running Start:	
Slow .....	18.7—22.7 sec
Fast .....	12.6—16.6 sec
Bucket:	
Curl .....	3.3—3.9 sec
Dump .....	2.5—3.1 sec
Arm:	
In .....	4.0—4.6 sec
Out .....	2.9—3.5 sec
Boom:	
Up .....	3.5—4.1 sec
Down .....	2.6—3.0 sec

## LUBRICANTS

See front of this book for the codes [ ].

## CAPACITIES

	<b>U.S.</b>	<b>Metric</b>
Fuel Tank .....	196 gal	741 L
Cooling System [N] .....	17.5 gal	66 L
Engine Lubrication w/ Filter [E] .....	13 gal	49 L
Hydraulic Reservoir [R] .....	81 gal	307 L
Propel Gearbox (Each) [J] .....	3.4 gal	13 L
Swing Gearbox [J] .....	2.1 gal	8 L
Pump Drive Gearbox [J] .....	1.7 gal	6.4 L