SPECIFICATIONS

ENGINE

Model	ISUZU AA-6HK1X
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, inter cooled
No. of cylinders	6
Rated power	
ISO 9249, net	184 kW (250 PS) @ 2000 rpm
SAE J1349, net	184 kW (250 PS) @ 2000 rpm
Maximum torque	873 Nm (89.0 kgfm) @ 1700 rpm
Piston displacement	7.790 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V / 128 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 279 L/min
Pilot pump	1 gear pump
Maximum oil flow	32.8 L/min

Relief Valve Settings

Implement circuit	350 kgf/cm² (34.3 MPa)
Swing circuit	330 kgf/cm² (32.4 MPa)
Travel circuit	355 kgf/cm² (34.8 MPa)
Pilot circuit	40 kgf/cm² (3.9 MPa)
Power boost	388 kgf/cm² (38.0 MPa)

UPPERSTRUCTURE

Swing speed	10.7 min^{-1} (rpm)
Swing torque	120 kNm (12 200 kgfm)

UNDERCARRIAGE

Tracks

Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers	2
Lower rollers	8
Track shoes	48
Track guards	3

Travel Device

Each track is driven by 2-speed axial piston motor.
Parking brake is spring-set/hydraulic-released disc type.
Automatic transmission system: High-Low.

Travel speeds	High : 0 to 5.1 km/h Low : 0 to 2.8 km/h
Maximum traction force	400 kN (40 790 kgf)
Gradeability	70% (35 degree) continuous

SERVICE REFILL CAPACITIES

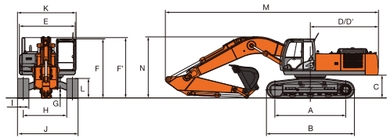
Fuel tank	630.0 L
Engine coolant	35.0 L
Engine oil	36.0 L
Swing device	15.7 L
Travel device (each side)	9.2 L
Hydraulic system	340.0 L
Hydraulic oil tank	180.0 L

BACKHOE ATTACHMENTS

Capacity	Width		No. of teeth	Weight	Density of material handled (Kg/m3)	
ISO Heaped	Without Side Cutters	With Side Cutters			2.66 m	6m
1.3	1300	1315	4	1580	G&M	-
1.5	1376	-	5	1665	2000	-
2.1	1570	1625	5	1949	1600	-
2.5	2197	-	-	1089	-	800
Block Handling Bucket	1355	-	4	1802	G&M	-

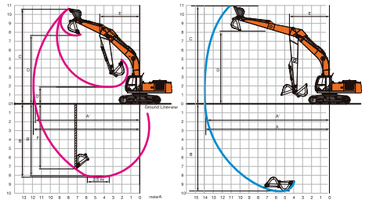
G&M Granite & Marble

DIMENSIONS



		ZX400MTH
A	Distance between tumblers	4 040
B	Undercarriage length	5 040
*C	Counterweight clearance	1 183
D	Rear-end swing radius	3 590
D'	Rear-end length	3 590
E	Overall width of upperstructure	2 980
F	Overall height of cab	3 190
F'	Overall height of upperstructure	3 300
*G	Min. ground clearance	495
H	Track gauge	2 740
I	Track shoe width	G 600
J	Undercarriage width	3 340
K	Overall width	3 446
*L	Track height with triple grouser shoes	1 150
M	Overall length With 2.66 m arm	11 350
N	Overall height of boom With 2.66 m arm	3 470

WORKING RANGES



Arm Length		2.66 m	6.0 m
A	Max. digging reach	10 570	13 190
A'	Max. digging reach (on ground)	10 350	13 020
B	Max. digging depth	6 800	9 920
B'	Max. digging depth for 2.5 m level	6 600	-
C	Max. cutting height	10 070	10 680
D	Max. dumping height	6 980	8 020
D'	Min. dumping height	3 250	-
E	Min. swing radius	4 610	4 440
F	Max. vertical wall digging depth	5 500	-

BUCKET AND ARM DIGGING FORCES

Arm Length	2.66mm
Bucket Digging force* ISO	246 kN
Bucket Digging force* SAE PCSA	214 kN
Arm Crowd force* ISO	222 kN
Arm Crowd force* SAE : PCSA	213 kN

The Specifications are subject to change without prior notice. The Machine depicted may vary from the actual Machine Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment Performance of the machine may vary with site and operating conditions encountered

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ZAXIS GI series

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Reliable solutions

ZAXIS 400 MTH

HYDRAULIC EXCAVATOR

Model	:	ZX400 MTH
Engine Rated Power	:	184 kW (250 PS)
Operating Weight	:	37,100 - 37,600kg
Backhoe Bucket	:	ISO Heaped : 1.3 - 2.5 m^3

More Production with Less Fuel

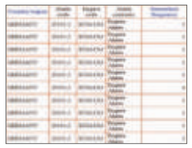
- 10% Reduction in Fuel Consumption
- More Fuel Reduction in the ECO mode
- Swift Front Movements with HIOS* III Hydraulics
- Powerful Lifting Operation
- Boosted Swing Torque
- Enhanced Power Boost
- Easy-to-Use Attachments

Tata Hitachi Support Chain

- Easy access to on-site machines through the internet with Global e-Service.
- Monitor your machines closely with ConSite.
- Superior Parts and Service networks help you to improve performance and to reduce downtime.

Operation

- Working site of customer machine can be determined.
- Route to working site of customer machine can be determined also.

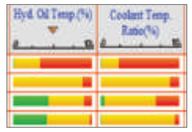


Alarm function

Information of alarms as causes of machine failures can be received in real time.

Hour meter / Daily report

Daily machine operation hours and remaining fuel can be determined.



Operation information

Hydraulic oil temperature, swing hours and other data are determined.

Simplified Maintenance

- Dust-proof indoor net
- Grouped remote inspection points
- Electric fuel refilling pump
- Low lifecycle costs

Consumables

Engine Oil : 500 h
Engine Oil Filter : 500 h
Hydraulic Oil : 5 000 h
Hydraulic Oil Filter : 1 000 h
Fuel Filter : 250 h

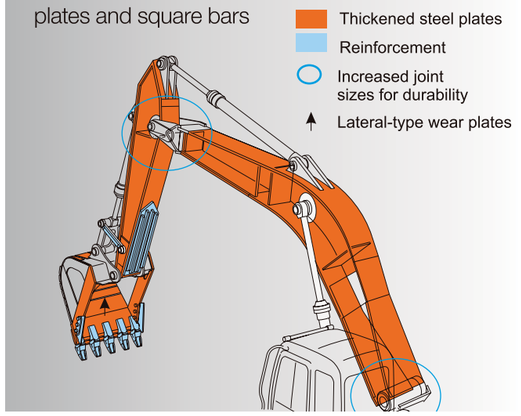
Enhanced Operator Comfort

- Comfortable Operating Environment
- Comfort-Designed Operator Seat
- Robust Cab

The robust cab, meeting the OPG (Top Guard Level 1), protects the operator from falling objects. The pilot control shut-off lever is provided with a neutral engine start system that permits engine starting only when the pilot control shut-off lever is in Lock position.

Reinforced Front Attachment (Boom / Arm)

Thickened steel plates, damage prevention plates and square bars



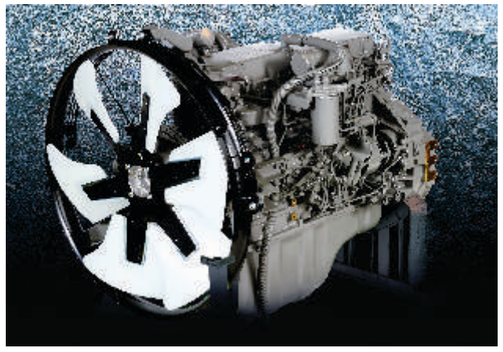
The boom top and bottom are strengthened using high tensile steel and through increase in dimensions of bosses. The boom and arm joints incorporate steel bushings to enhance durability. Steel plates of higher size and thickness are used in the arm to make it stronger and more rigid. Special flange type arm bucket bushes ensure that there is no direct rubbing of arm and bucket bosses, thereby increasing the life of pins and bushes substantially.

A reinforced resin thrust plate, mounted on the bucket pin, helps reduce wearing noise. Arm cylinder and boom cylinders (rod extend ends) cushion shocks at stroke end to cut noise and extend service life. Joint pins at the front attachment are tightly fit to reduce jolt and sound.

45 Ton class Undercarriage

The Zaxis 400 MTH is reinforced with a 45Ton class undercarriage which gives it unmatched ruggedness and offers you exceptional performance.

Integrated track adjusters increase durability and absorb impacts to crawlers.



Durable, Reliable Engine

This engine is proven with impressive durability at countless tough job sites around the world.

The engine has a rugged design with direct fuel injection system – most suitable for Indian conditions – and an elaborate governor. The engine complies with EU stage II and US EPA Tier 2 emission regulations.

The engine is known for its smooth power delivery, reliable performance, great life and high maintainability.