

ENGINE

Model..... Mitsubishi S6K-TA61MHTA
 Type..... 4-cycle water-cooled, direct injection
 Aspiration..... Turbocharged (with charged air cooler)
 No. of cylinders..... 6
 Rated power
 Full Load..... 163 PS (120 KW) @ 2000 rpm
 Worktime Load..... 155 PS (114 KW) @ 1800 rpm
 Maximum torque..... 655 Nm @ 1500 rpm
 Piston displacement..... 6.373 L
 Bore and stroke..... 102 mm x 130 mm
 Batteries..... 2 x 12 V / 88 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps..... 2 variable displacement axial piston pumps
 Maximum oil flow..... 2 x 212 L/min
 Pilot pump..... 1 gear pump
 Maximum oil flow..... 33.6 L/min

Relief Valve Settings

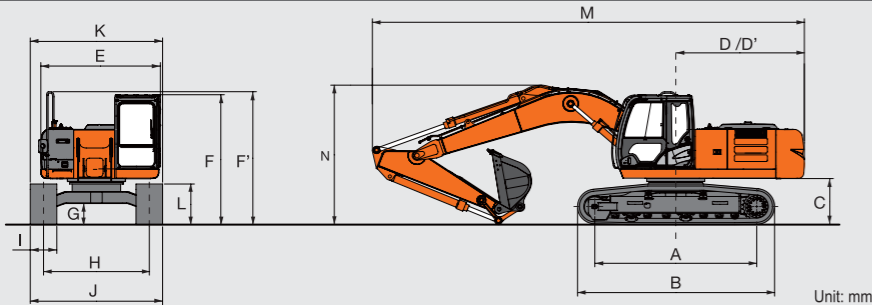
Implement circuit..... 350 kgf/cm² (34.3 MPa)
 Swing circuit..... 310 kgf/cm² (30.4 MPa)
 Travel circuit..... 350 kgf/cm² (34.3 MPa)
 Pilot circuit..... 40 kgf/cm² (3.9 MPa)
 Power boost..... 388 kgf/cm² (38.0 MPa)

BACKHOE ATTACHMENTS

Capacity	Width		No. Of teeth	Weight	Recommendation ZX220LC-M Quarry	
	With side cutters	Without side cutters			2.4 m arm	2.9 m arm
0.92 m ³ (HD)	-	1 170 mm	4	944 kg	●	
0.90 m ³ (GR)	-	1 009 mm	4	966 kg	●	
1.00 m ³ (GP)	1 340 mm	1 230 mm	6	804 kg	○	
0.90 m ³ (GP)	1 240 mm	1 130 mm	5	769 kg	◎	○
1.22 m ³ (ELM)	-	1 460 mm	6	857 kg	■	

◎ Suitable for materials with density of 2 000 kg/m³ or less ○ Suitable for materials with density of 1 800 kg/m³ or less ■ Suitable for materials with density of 1 100 kg/m³ or less

DIMENSIONS



	(STD / QR)		(STD / QR)
A Distance between tumblers	3 660	J Undercarriage width	2 390
B Undercarriage length	4 460	K Overall width	2 990
* C Counterweight clearance	1 040	* L Track height with triple grouser shoes	920
D Rear-end swing radius	2 910	M Overall length With 2.4 m arm	9 680
D' Rear-end length	2 910	With 2.9 m arm	9 680
E Overall width of upperstructure	2 700	N Overall height of boom With 2.4 m arm	3 150
F Overall height of cab	2 940	With 2.9 m arm	3 010
F' Overall height of upperstructure	3 010		3 050
* G Min. ground clearance	450		
H Track gauge	2 390		
I Track shoe width	600		

* Excluding track shoe lug G: Triple grouser shoe

BUCKET AND ARM DIGGING FORCES

Arm length	2.22 m	2.4 m	2.91 m
Bucket digging force* ISO	158 kN (16 100 kgf)	158 kN (16 100 kgf)	158 kN (16 100 kgf)
Arm crowd force* ISO	147 kN (15 000 kgf)	139 kN (14 200 kgf)	114 kN (11 600 kgf)

* At power boost



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These 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.

UPPERSTRUCTURE

Swing speed..... 13.0 min⁻¹ (rpm)
 Swing torque..... 61.5 kNm (6200 kgfm)

UNDERCARRIAGE

Numbers of Rollers and Shoes on Each Side

Upper rollers..... 2
 Lower rollers..... 8: ZX220 LC-M (STD / QR)
 Track shoes..... 49: ZX220 LC-M (STD / QR)
 Track guard..... 2: ZX220 LC-M (STD)

Ground Pressure

Shoe width	Arm Length	kPa (kgf/cm ²)
600 mm	2.40 m arm	48 (0.49)

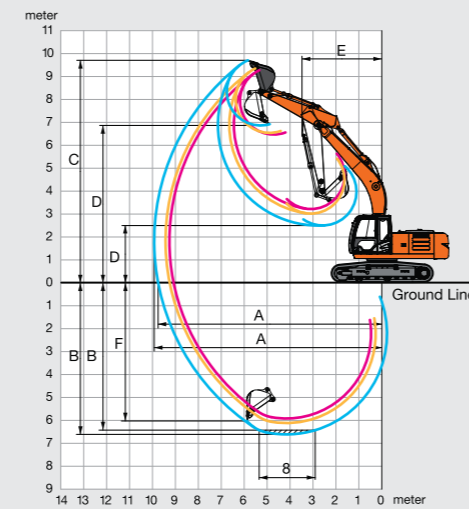
Travel Device

Travel speeds..... High : 0 to 5.5 km/h
 Low : 0 to 3.5 km/h
 Maximum traction force..... 184 kN (18 800 kgf)
 Gradeability..... 70% (35° continuous)

SERVICE REFILL CAPACITIES

Fuel tank..... 400.0 L
 Engine coolant..... 23.0 L
 Engine oil..... 25.0 L
 Swing device..... 6.2 L
 Travel device (each side)..... 6.8 L
 Hydraulic system..... 240.0 L
 Hydraulic oil tank..... 135.0 L

WORKING RANGES



	2.20 m	2.42 m	2.91 m
A Max. digging reach	9 260	9 430	9 920
A' Max. digging reach (on ground)	9 080	9 250	9 750
B Max. digging depth	5 920	6 120	6 610
B' Max. digging depth (8' level)	5 680	5 890	6 420
C Max. cutting height	9 250	9 330	9 680
D Max. dumping height	6 450	6 520	6 850
D' Min. dumping height	3 210	3 010	2 490
E Min. swing radius	3 530	3 520	3 490
F Max. vertical wall digging depth	5 420	5 620	6 030

Excluding track shoe lug



TATA HITACHI

WITH THE POWER OF GI



ZAXIS220LC-M

GI SERIES

163 PS @ 2000 rpm | 20,900-21,700 kg | 0.9 - 1.22 m³

THCM/ZAXIS220LC-M/E/4P/NOV/2019

Authorised Dealership



SUPERIOR PERFORMANCE

- 163PS powerful Mitsubishi engine for better performance
- Boosted swing torque with HIOS III enabled hydraulics for swift front movements
- 10% higher digging forces with hydraulic power boost
- Enhanced fuel efficiency with ECO mode.

HIGH DURABILITY

- Front attachments are engineered for durability and longer life using advanced software and are also robotically welded to precision.
- Use of superior steel for superior performance
- Monolithic X – Beam frame, thickened idler & travel motor brackets for protection against damages.
- HD Undercarriage , HD Upper & Lower rollers for additional durability

OPERATOR COMFORT & SAFETY

- Multifunction monitor , ergonomic controls improves operator comfort
- Auto climate controlled AC Cabin for
- Roomy cab interiors with music system + speakers
- Excellent all round visibility
- OPG top guard level 1 (ISO 3449: 2005) compliant, cabin provides enhanced safety in granite, marble and quarry applications.

SIMPLIFIED MAINTENANCE

- Cyclonic type air pre-cleaner enables longer life of filters
- Longer service interval reduces maintenance cost
- Detachable dust proof indoor net for parallel ROC, grouped remote inspection points simplifies maintenance.
- Standard electric fuel filling pump makes it extremely easy to refuel.
- ConSite telematic system helps monitoring the machine and also assists in service and maintenance

