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
Worldmix Load	155 PS (114 KW) @ 1800 rpm
Maximum torque	555 Nm @ 1500 rpm
Piston displacement	5.373 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	398 kgf/cm² (39.0 MPa)

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/cm²)
600 mm	2.40 m arm	48 (0.48)

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

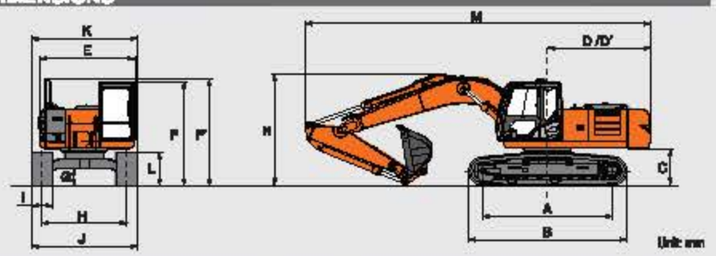
Fuel tank	400.0 L
Engine coolant	23.0 L
Engine oil	25.0 L
Swing device	6.2 L
Travel device (each side)	6.8 L
Hydraulic system	240.0 L
Hydraulic oil tank	135.0 L

BACKHOE ATTACHMENTS

Capacity	Width		No. Of teeth	Weight	Recommendation ZX220LC-M Quarry	
ISO heaped	With side cutters	Without side cutters			2.4 m arm	2.9 m arm
0.92 m³ (HD)	–	1 170 mm	4	944 kg	●	
0.80 m³ (GR)	–	1 005 mm	4	868 kg	●	
1.00 m³ (GP)	1 340 mm	1 290 mm	5	804 kg	○	
0.90 m³ (GP)	1 240 mm	1 190 mm	5	768 kg	◎	○
1.22 m³ (ELM)	–	1 480 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



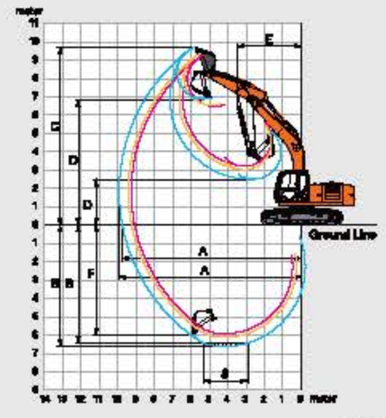
Unit: mm

		(STD / QR)
A	Distance between tumblers	3 660
B	Undercarriage length	4 460
*C	Counterweight clearance	1 040
D	Rear-end swing radius	2 810
D'	Rear-end length	2 910
E	Overall width of upperstructure	2 700
F	Overall height of cab	2 940
F'	Overall height of upperstructure	3 010
*G	Min. ground clearance	450
H	Track gauge	2 380
I	Track shoe width	600

			(STD / QR)
J	Undercarriage width		2 990
K	Overall width		2 990
*L	Track height with triple grouser shoes		920
M	Overall length	With 2.4 m arm	9 680
		With 2.9 m arm	9 680
N	Overall height of boom	With 2.4 m arm	3 150
		With 2.9 m arm	3 010
		With 2.9 m arm	3 050

* Excluding track shoe lug G: Triple grouser shoe

WORKING RANGES



Unit: mm

Arm length	2.20 m	2.42 m	2.91 m
A Max. digging reach	9 260	9 450	9 920
A' Max. digging reach (on ground)	9 080	9 250	9 730
B Max. digging depth	5 920	6 120	6 610
B' Max. digging depth (8' level)	5 680	5 880	6 420
C Max. cutting height	9 250	9 330	9 690
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	3 620	3 490
F Max. vertical wall digging depth	5 420	5 520	6 080

Excluding track shoe lug

BUCKET AND ARM DIGGING FORCES

Arm length	2.22 m	2.4 m	2.91 m
Bucket digging force* ISO	168 kN (16 100 kgf)	168 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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Authorised Dealership

TMNM/ZX220LC-M/EXG/PHCN/2019

CHALO DESH BANAYE

TATA HITACHI

WITH THE POWER OF GI

with ConSite

ZAXIS220LC-M

GI SERIES

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

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