The HD2045II excavator boldly debuts, boasting significant new advances!
**Technical Specifications (HD2045II)**

**ENGINE**
- Model: Mitsubishi 6D94-TG, 4 cycle intercooler turbocharged diesel engine
- Number of cylinders: 6
- Bore & Stroke: 130mm x 150mm
- Total displacement: 11.94 L
- Rated output: 272kW/2,000rpm
- Max. torque: 1,87N-m/1,400rpm (121kgf-m/740rpm)
- Compression ratio: 16.5:1
- Combustion system: Direct injection
- Specific fuel consumption: 3.46g/kW-hr
- Cooling system: Pressurized water circulated by a pressurized water pump with thermostat
- Lubrication system: Pressurized oil fed by a gear pump in full-flow and bypass cartridge filter
- Starter: Electric, 24V-5.8kW
- Generator: Alternator, 24V-35A
- Governor: Mechanical
- Air cleaner: Mechanical Dry type filter

**SWING SYSTEM**
The hydraulic gear-driven swing is powered by two axial piston motors which are flange-connected to each planetary reduction unit. It rotates 360 degrees continuously on the single row ball bearing that has an integral, internally oiling swing gear and is totally enclosed to prevent the ingress of mud and water.

**BOOM, ARM AND BUCKET**
- The boom and arm are of all-welded, steel box section type with reinforced pin joints. Bucket is fabricated from high tensile strength steel.
- Boom cylinders: Two, double acting
- Arm cylinder: One, double acting
- Bucket cylinder: One, double acting
- Max. swing force: 247KN (25,200kgf)
- Max. digging force: 216KN (22,000kgf)

**TRAVEL SYSTEM**
- Spring-applied idlers protect the drivers from shock.
- Adjust cylinder is provided for easy arrangement of the track tensioning. An all welded undercarriage frame gives cog-free clearance, and the drive motors are newly housed inside the track frame. The crawler tracks with interchangeable shoes are supported by 8 lower rollers and 2 upper roller on each side.
- Traveling motors: Independent axial piston motor with reduction for each side

**HYDRAULIC SYSTEM**
- Two pumps are controlled by the Kato developed "APC" (Automatic Power Control) system, which senses where power is needed and automatically adjusts the pressure and flow-rate of the pump to match the work load. New "APC" system enables pump output to be utilized to the full with minimum fuel consumption. The adoption of joint circuit enables dual speed for boom dentricking and arm extension/ retraction.
- Pumps: Double variable piston pump and gear pump
- Max. discharge flow: 215/250L/min
- Max. discharge pressure: 24.0MPa (3000kgf/cm²)
- Max. discharge pressure (travel circuit only): 30.9MPa (351kgf/cm²)
- Oil filtration: Full-flow filter with replaceable element, a drain cartridge filter and a suction strainer

**REFILLING CAPACITY**
- Fuel tank: 635L
- Engine oil: 51L
- Track drves: 2x39L
- Hydraulic oil: 2x171L

**CAB & CONTROLS**
The all weather sound suppressed, 1,000mm wide pressed steel cab is six point viscous mounted and has plenty of leg room. All windows are made of tinted safety glass. The front window can be raised and slide back so that it fits flush with the ceiling to provide improved visibility and ventilation. The cloth-covered, fully adjustable seat is provided. Operating conditions can be seen at a glance on the safety monitor.

**WEIGHT**
- In standard figure, with the 3.45m arm, 630mm gruwer shoes and 2.0m² (ISO) bucket.
- Operating weight: 46,200kg
- Ground pressure: 81.9kPa (0.84kgf/cm²)