

SUMITOMO
CONSTRUCTION EQUIPMENT

SH 210LC SH 250

SUPER LONG REACH ATTACHMENT



The ISUZU AI-4HK1X & AH-4HK1X Engine complies with
EPA Tier 3 & EU Stage 3A Exhaust Emission Standards

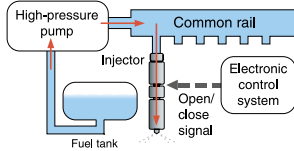


LEGEST

Powered by ISUZU diesel offering High-Output, Fuel Efficient & Environmentally Friendly

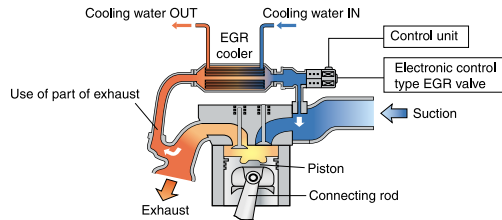
Common Rail Type Ultra High-Pressure Fuel Injection System

The system is equipped with a common rail type high-compression fuel injection system, which permits high-precision injection from multiple injection under ultra high-pressure of more than 1600 atm. Precise control of injection time and injection quality at that rate of 1/1000 second optimizes combustion, improves combustion efficiency, and reduces PM (particulate matter) substantially.



Cooled EGR System

The EGR (Exhaust Gas Recirculation) mixes the gas, which is once exhausted, with the air that is taken in so as to lower the combustion temperature, thereby reducing NOx (nitrogen oxide). Adoption of the cooled EGR system, in which a water-cooling cooler is installed in the middle of the re-circulation pipe, permits further decrease in the suction temperature, ensuring a better NOx reduction effect than the ordinary EGR.



Turbo Engine with Inter-Cooler

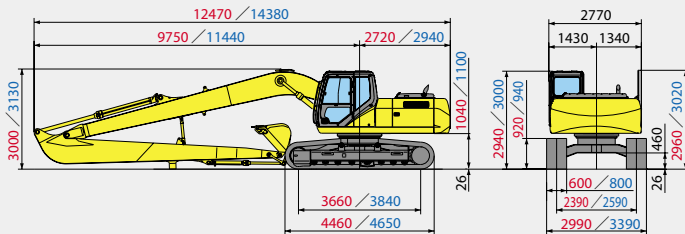
When the inter-cooler cools the intake air, which is compressed by a turbocharger and has reached a high temperature, the density of the air increases and the suction efficiency increases. Therefore, NOx and PM can be reduced substantially, permitting high output and improvement of fuel efficiency simultaneously.

“ This revolutionary system has been rigorously tested at our R & D site, and as a result SUMITOMO selected these new ISUZU Engines due to their high level of Performance, whilst ensuring not only excellent environmental performance, but also high output and high fuel efficiency ”.

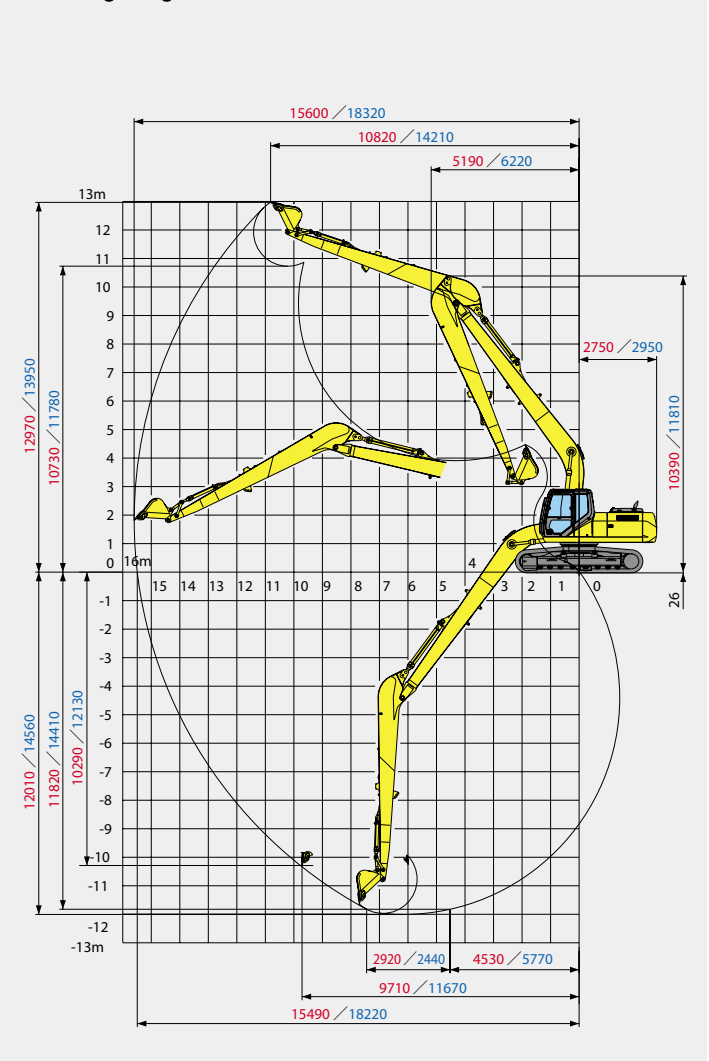
Principal specifications & Dimensions

| Principle Specifications | SH210LC-5LR | SH250-5LR |
|------------------------------|---|-------------------------------|
| | STD Specifications | STD Specifications |
| Base | | |
| Boom Length | 8.70m | 10.30 m |
| Arm Length | 6.40m | 8.00 m |
| Bucket capacity (ISO heaped) | 0.37m ³ | 0.37m ³ |
| Std. Operating weight | 22,300kg | 28,000kg |
| Engine | ISUZU AH-4HK1X | |
| Rated output | 117.3kw/1800min ⁻¹ | 132.1kw/2000min ⁻¹ |
| Displacement | 5193ml (cc) | |
| Hydraulic System | 2 variable displacement axial piston pumps with regulating system | |
| Max Pressure | 34.3 Mpa | |
| (with auto power boost) | 36.3 MPa | |
| Travel motor | Variable displacement axial piston motor | |
| Parking brake type | Mechanical disc brake | |
| Swing motor | Fixed displacement axial piston motor | |
| Performance | | |
| Travel speed | 5.6/3.4km/h | 5.5/3.5km/h |
| Traction force | 201kN (20,496 kgf) | 216 kN (22,000 kgf) |
| Grade ability | 70% (35°) | |
| Ground pressure | 40kPa | 42kPa |
| Swing speed | 0 ~ 11.5min ⁻¹ | 0 ~ 11.5min ⁻¹ |
| Bucket | 65.3kN | 77.0kN |
| Arm | 45.6kN | 40.3kN |
| Others | | |
| Fuel tank | 410 liter | 410 liter |
| Hydraulic fluid tank | 147 liter | 147 liter |

SH210LC-5 LR / SH250-5 LR



Working Range SH210LC-5 LR / SH250-5 LR



SUMITOMO (S.H.I.)

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We are constantly improving our products and therefore reserve the right to change designs and specifications without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.