Control Valve
KMX15RC

The KMX15RC has significantly improved fuel economy by reducing pressure loss compared to conventional model.

The pressure loss is reduced by about 20% compared with the conventional model. Fuel economy is improved by about 5.9%.

### Product Description

A compact, lightweight hydraulic control valve that enables the actuators for hydraulic excavator to perform complex movements and thus achieves high operability and greater fuel economy.

### Features

- Control Valve for medium (20–30 tons) hydraulic excavator
- Reduce pressure loss with unique case design (Oil pass, circuit)
- Improvement fuel economy of hydraulic excavator by energy regeneration circuits
- Compact design by centralized arrangement of electric pilot control valves
- Improvement power density by about 6% compared with the conventional model
- Improvement operability of hydraulic excavator by controlling spool position with the electric pilot control valves. And ready for IoT in the future

### Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>KMX15RB</th>
<th>KMX15RC</th>
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</thead>
<tbody>
<tr>
<td>Maximum pressure [MPa]</td>
<td>37</td>
<td>38</td>
</tr>
<tr>
<td>Maximum flow [L/min]</td>
<td>300</td>
<td>300</td>
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<tr>
<td>External dimensions [mm]</td>
<td>308×422×511 (66,418cm³)</td>
<td>288×418×516 (62,118cm³)</td>
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<tr>
<td>Weight [kg]</td>
<td>220</td>
<td>210</td>
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</tbody>
</table>

### Graphs

- **Pressure loss**: About 20% reduction for KMX15RC compared to KMX15RB.
- **Fuel economy**: About 5.9% improvement for KMX15RC compared to KMX15RB.
- **Power density**: About 6% improvement for KMX15RC compared to KMX15RB.