

2. SPECIFICATIONS

2.1 GENERAL SPECIFICATIONS

Tractor model		DK35SE	DK40(C)SE	DK45(C)SE	DK50(C)SE
Engine model	Mechanical	3B183LWM	4A200LWM	4A220LWM	4B243LWM
	HST	3B183LWH	4A200LWH	4A220LWH	4B243LWH
Bore I.D. X Stroke	(mm)	Ø 87 × 102.4	Ø 83 × 92.4	Ø 87 × 92.4	Ø 87 × 102.4
Honing		Plateau honing			
Number of cylinders		3	4	←	←
Ignition sequence		1-2-3	1-3-4-2	←	←
Displacement	(ℓ)	1.826	1.999	2.197	2.435
Max./Min. speed	(rpm)	2,800 / 1,000	←	←	←
Max. gross output	kw(HP)/rpm.	28.3(38) / 2,600	30.6(41) / 2,600	33.6(45) / 2,600	36.5(49) / 2,600
Max. torque	(kg-m/rpm)	119.6(12.2) / 1,700	129.4(13.2) / 1,700	140.1(14.3) / 1,700	159.7(16.3) / 1,700
Compression ratio		22:1	21.7:1	←	22:1
Combustion chamber type		Indirect injection type (Swirl chamber type)	←	←	←
Injection timing	(BTDC)	18°	←	←	22°
Fuel injection pump type		BOSCH K MINI	←	←	BOSCH K MINI (CTD)
Injection pressure	kPa(kgf/cm ²)	14,700~15,680 (150 ~ 160)	←	←	←
Engine oil capacity	(ℓ)	5.5	8	8	7.7
Engine oil specification		SAE 15W 40, CD or higher of API grade			
Coolant capacity	(ℓ)	8.0	8.9	8.7	8.9
Anti-freeze		Ethylene glycol 50% with anti-corrosive agent			

- The engines for mechanical and HST tractors are the same except for the flywheel. They are compatible with each other once the flywheel is replaced.
- The engine gross output is measured with the cooling fan removed.
- The cylinder number for ignition sequence is given from the cylinder on the engine cooling fan side.
- If the coolant level drops due to its evaporation, add only water. If the coolant level drops due to the leakage, add coolant mixed with anti-freeze.
- The freezing point of the 50% coolant mixture is -37°C (-34°F) in a normal condition.
- When replacing the coolant with a different type of coolant, flush the cooling system thoroughly beforehand.