

KOHLER Engines

Relentless POWER
Reliable PERFORMANCE



KOHLER® Engines

SERIES 15LD

DIESEL

15LD 440

Homologation

- CPCB II
- BHARAT (Trem) STAGE III A
- CIFT

Applications

- Two-wheel tractor
- Agricultural mower
- Agricultural pump
- High pressure cleaner
- Generating set
- Vibrating plate
- Hydraulic power pack

Construction

- 4 -stroke air cooled diesel engine
- Conical power take-off on crankshaft
- Anticlockwise rotation
- Direct injection
- Forced lubrication with oil pump
- Centrifugal mass governor
- Built-in full flow oil filter
- Oil breathing blow-by with safety device
- Automatic extra fuel starting device
- Self bleeding fuel system
- Torque regulator
- Automatic compression release
- Die-cast aluminum crankcase with integral & separable cast iron cylinder liner
- Aluminum alloy cylinder head
- Built-in rigid feet
- Hydraulic & mechanical tappets.

Standard equipment

- Recoil starting and automatic compression release
- Fuel tank
- Fuel filter
- Dry-air cleaner
- Muffler with guard
- Accelerator and stop manual control
- User maintenance-spare parts booklet

Accessories

- Power take-off flywheel side (engines with electrical starting)
- Power take-offs with flanging and special shaft
- Parallel crankshaft Internal dynamic balancer
- Oil-bath air-cleaner Electric start 12 V / 24 V
- Keyswitch panel
- Emergency stop through electrovalve
- Accelerator and stop remote control
- Keystart panel with shutdown device
- Fuel lift pump
- Oil dipstick on cylinder head
- Oil pressure switch
- Oil temperature switch
- Glow plug on intake manifold
- Recoil with denoising cover
- Grass protection for engine cooling



15LD 440

KOHLER® Engines

SERIES FOCS Plus

DIESEL

KDW 702 & KDW 1003

Homologation

- CPCB II
- BHARAT (TREM) STAGE III A

Applications

- Excavator
- Generating set
- Refrigerating unit
- Sweeper
- Access platform
- Roller
- Lawn mower
- Dumper

Construction

- 4-stroke diesel engine with cylinders in line
- Liquid-cooled with axial fan
- Indirect injection with injector-pump on head
- Single-shaft distribution in head
- Distribution control with timing belt
- Double pto on the crankshaft
- Pto on the distribution
- Counterclockwise rotation
- Forced lubrication with vane pump on the crankshaft
- Total passage external oil filter
- Water pump in the engine block
- Automatic extra fuel starting device
- Centrifugal governor
- Torque regulator
- Cast iron engine block with re-borable integral liners
- Aluminum cylinder head

Standard equipment

- External oil filter
- Intake manifold
- Exhaust manifold
- Intake fan
- Accelerator control
- Electric starter and 12V alternator
- Thermostatic valve
- Fuel feed diaphragm pump
- Water pump
- Flanging plate
- Flywheel with ring gear
- User maintenance-spare parts booklet

Accessories

- Different guards according to use
- Clutch flywheels
- Flanges
- Transmission adaptors
- Keyswitch panel
- Electric stop
- Electronic plant for plugs
- Alternators 12V or 24V
- Radiators
- Blowing fan
- Engine feet
- Fuel tanks
- Mufflers
- Dry air-cleaners mounted and separated
- Cyclonic pre-cleaners
- Fuel filter on engine
- High capacity oil sumps
- Cab heating system



KDW 1003



KDW 702

Specifications: 15LD 440

Cylinders	N.	1
Displacement	cm ³	442
Bore	mm	86
Stroke	mm	76
Compression ratio		20.3:1
Rating kW/HP	N (80/1269/CEE) ISO 1585	8.1/11.0
	NB ISO 3046 IFN	7.4/10.1
	NA ISO 3046 ICXN	6.8/9.3
Max. torque	Nm.	25@2200
Min. idling speed		950 - 1000
Fuel tank capacity	l	5
Oil consumption	kg/h.	0.0048
Oil sump capacity	l	1.5
Min. allowable oil pressure	bar	1 - 1.5
Max. allowable inclination for short periods of operation (peak values)	25°	(35°)
Vol. of air required for correct combustion @ 3600 r.p.m.	l/min.	635
Vol. of air required for correct cooling @ 3600 r.p.m.	l/min.	5500
Dry weight	kg	45
Recommended battery	V/Ah	12/44

Specifications: KDW 702

Cylinders	N.	2
Displacement	cm ³	686
Bore	mm	75
Stroke	mm	77.6
Compression ratio		22.8:1
Rating kW/HP	N (80/1269/CEE) ISO 1585	12.5/17.0
	NB ISO 3046 IFN	11.7/16.0
	NA ISO 3046 ICXN	10.7/14.5
Max. torque	Nm.	40.5@2000
Max. torque 3 P.T.O.	Nm.	37.0@1800
Min. idling speed		900
Water pump delivery at 3600 r.p.m.	l/min.	40 (~)
Oil consumption	kg/h.	0.009
Oil sump capacity	l	4.7/1.6
Min. allowable oil pressure	bar	1.5
Max. allowable inclination for short periods of operation (peak values)	25°	(35°)
Vol. of air required for correct cooling @ 3600 r.p.m.	l/min.	1240
Vol. of air required for correct combustion @ 3600 r.p.m.m ³ /min.		43
Dry weight	kg	66
Recommended battery	V/Ah	12/44

Specifications: KDW 1003

Cylinders	N.	3
Displacement	cm ³	1028
Bore	mm	75
Stroke	mm	77.6
Compression ratio		22.8:1
Rating kW/HP	N (80/1269/CEE) ISO 1585	19.5/26.5
	NB ISO 3046 IFN	18.0/24.5
	NA ISO 3046 ICXN	16.5/22.4
Max. torque	Nm.	67@2000
Max. torque 3 P.T.O.	Nm.	37.0@1800
Min. idling speed		900
Water pump delivery at 3600 r.p.m.	l/min.	50 (~)
Oil consumption	kg/h.	0.013
Oil sump capacity	l	4.7/2.4
Min. allowable oil pressure	bar	1.5
Max. allowable inclination for short periods of operation (peak values)	25°	(35°)
Vol. of air required for correct cooling @ 3600 r.p.m.	l/min.	1850
Vol. of air required for correct combustion @ 3600 r.p.m. m ³ /min.		63
Dry weight	kg	85
Recommended battery	V/Ah	12/44

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KOHLER® Engines

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Specifications may vary depending on Homologation.

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