

# MITSUBISHI DIESEL ENGINE **K&L** series





**Outstandingly Compact &  
Lightweight  
with High Reliability Suitable  
for PROFESSIONAL Use**

## SERIES



K14.5



K19.5

Cummins Heavy Industries, Ltd. now offers two new series of compact and lightweight water-cooled diesel engines: the L series and a new K series that complements the existing K series engines.

New 4-cylinder, direct fuel injection type K series engines result from an innovative design concept that achieves significant reductions in size and weight.

All of these engines are suited for a wide variety of applications from their use in agricultural machinery, construction machinery, general industrial machinery and vehicles.

We are certain that these highly reliable engines will satisfy your professional requirements for smooth, economical and quiet operation.

## SERIES



L2



L3

## 1. Lighter and Smaller than Competitor Water-cooled Diesel Engines

Lighter 10% - 15%  
Smaller 15% - 20%  
Models 100% - 100%

**LIGHTER**

10% - 15%  
15% - 20%  
100% - 100%

**SMALLER**



## 2. Smoother and Quieter Working

• Smoother, quieter operation means faster return times and less operator fatigue.  
• 10% - 15% less noise. Working quietly reduces the risk of hearing loss. It also means less vibration, which means less wear and tear on the machine and its components.



## 3. Major Parts Interchangeability and Easy Maintenance

• Major and auxiliary components are easily interchangeable with other skid steer loader models, making maintenance and repairs easier and less expensive.



## 4. Lower Water and Tire Fuel Consumption

• Lower water consumption means less time on the job, less water and less environmental impact.

• Lower fuel consumption means lower operating costs.



## 5. Multi-ported Operation and Increased Flexibility

• Multi-ported operation allows for easy attachment and detachment of various tools and accessories, making the machine more versatile.



• 10% - 15% less water

• 10% - 15% less fuel consumption  
• 10% - 15% less water

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• 10% - 15% less fuel consumption  
• 10% - 15% less water

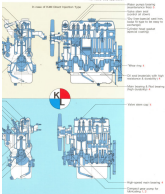
• 10% - 15% less fuel consumption  
• 10% - 15% less water

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• 10% - 15% less water

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• 10% - 15% less fuel consumption



For more information, contact your distributor or visit us at [www.kubota.com](http://www.kubota.com)

# SPECIFICATIONS

Model		L10A	L10C	L10E	L10L
Type		Dumper			
Number of cylinders		4 cylinders			
Bore x stroke		100 x 101 (3.94 x 3.98)	100 x 101 (3.94 x 3.98)	100 x 101 (3.94 x 3.98)	100 x 101 (3.94 x 3.98)
Total displacement		400 (24.5 cu in)	400 (24.5 cu in)	400 (24.5 cu in)	400 (24.5 cu in)
Compression ratio					
Combustion system					
Injection system					
Starting system		Electric starting with coil-over			
Charging system		Generator (12V/14A) or alternator			
Fuel injection pump					
Fuel oil					
Cooling system					
Lubrication system		Forced lubrication by gear			
Lubricating oil		SAE 15W-40			
Lubricating oil capacity		7 (20.9 gal)	7.4 (20.0 gal)		
Exhaust system					
Dry weight		100 (220 lb)	95 (210 lb)		

Output		4000 RPM	4000	3000 RPM	2000	1500 RPM	1000	500 RPM	0
Intermittent	1000	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9
	1000 (2140)	3.0	2.8	2.7	2.6	2.5	2.4	2.3	2.2
	1000 (2000)	3.2	3.0	2.9	2.8	2.7	2.6	2.5	2.4
	1000 (1500)	3.5	3.3	3.2	3.1	3.0	2.9	2.8	2.7
	1000 (500)	4.0	3.8	3.7	3.6	3.5	3.4	3.3	3.2
Continuous	1000	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
	1000 (2140)	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
	1000 (2000)	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
	1000 (1500)	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0
	1000 (500)	3.2	3.0	2.9	2.8	2.7	2.6	2.5	2.4



# PERFORMANCE CURVES

100



100



100



100



100



100











# DIMENSIONS

U2



	Metric	
	U.S.S. S.P. INCHES	U.S.S. S.P. MILLIMETERS
A	20.000	508.000
B	20.000	508.000
C	20.000	508.000
D	20.000	508.000
E	20.000	508.000
F	20.000	508.000
G	20.000	508.000
H	20.000	508.000
I	20.000	508.000
J	20.000	508.000
K	20.000	508.000
L	20.000	508.000
M	20.000	508.000
N	20.000	508.000
O	20.000	508.000
P	20.000	508.000
Q	20.000	508.000
R	20.000	508.000
S	20.000	508.000
T	20.000	508.000
U	20.000	508.000
V	20.000	508.000
W	20.000	508.000
X	20.000	508.000
Y	20.000	508.000
Z	20.000	508.000
Val. No.	100000000	100000000

U3



U5



	Metric		
	U.S.S. S.P. INCHES	U.S.S. S.P. MILLIMETERS	U.S.S. S.P. MILLIMETERS
A	20.000	508.000	508.000
B	20.000	508.000	508.000
C	20.000	508.000	508.000
D	20.000	508.000	508.000
E	20.000	508.000	508.000
F	20.000	508.000	508.000
G	20.000	508.000	508.000
H	20.000	508.000	508.000
I	20.000	508.000	508.000
J	20.000	508.000	508.000
K	20.000	508.000	508.000
L	20.000	508.000	508.000
M	20.000	508.000	508.000
N	20.000	508.000	508.000
O	20.000	508.000	508.000
P	20.000	508.000	508.000
Q	20.000	508.000	508.000
R	20.000	508.000	508.000
S	20.000	508.000	508.000
T	20.000	508.000	508.000
U	20.000	508.000	508.000
V	20.000	508.000	508.000
W	20.000	508.000	508.000
X	20.000	508.000	508.000
Y	20.000	508.000	508.000
Z	20.000	508.000	508.000
Val. No.	100000000	100000000	100000000

U6

