

KUBOTA DIESEL ENGINE



Kubota Industrial Diesel Engine and

Kubota's diesel engines are designed to be compact, lightweight and vibration free. A high degree of parts interchangeability is made possible through standardized design construction and unified stroke length within each series. For 1800 rpm generator engines, refer to Kubota 600 Generator Engine Catalog.

Horizontal Diesel

Water-cooled, liquid-cooled engine
Number of cylinders: 4
100-120 cc



100-120 cc

62mm (2.47) Stroke Series

Water-cooled, liquid-cooled engine
Number of cylinders: 4
120-150 cc



120-150 cc

62.4mm (2.47) Stroke Series

Water-cooled, liquid-cooled engine
Number of cylinders: 4
150-180 cc



150-180 cc

that 'Make the Difference'



60000



60000
60000



60000



60000

Over 100 years ago, Kohler began its journey into the world of power generation. Today, Kohler is a leading manufacturer of high-quality equipment and a worldwide leader in advanced technological products and engineering services. Behind the reputation earned by manufacturers in India and Canada, the manufacturing plants of Kohler concentrate on cost-efficient production, careful inspection of both field assembly and industrial parts, and making sure all manufactured parts are fully tested through a comprehensive inventory control system. All Kohler service technicians around the world receive thorough technical training under a field. Our experienced technicians operate in 100+ service plants worldwide to service your Kohler generator. In fact, high-technology power plant control with Kohler Autotrans are designed to deliver energy with the user's demand in mind. Kohler with our worldwide service network is ready to take care of you around the world. For parts and service call today for your dealer, please call our toll free for representative in your area listed in your Worldwide Service Network Booklet.



's Service Network Have the Features

Super Mini Series

Water-cooled, 4-cylinder diesel engines
Maximum output: 17.5
HP range: 10.7-20.0



2400



2600

70mm (2.75) Stroke Series

Water-cooled, 4-cylinder diesel engines
Maximum output: 27.5
HP range: 12.5-25.0
1.75" stroke series is 2000 series



2700



2800



2900



3000

125mm (4.92) Stroke Series

Water-cooled, 6-cylinder diesel engines
Maximum output: 57.5
HP range: 35.0-55.0



3200

Specifications

Horizontal Diesel		
Model	3000D	
Type	Horizontal 4-cylinder turbocharged diesel	
Number of Cylinders	4	
Rated Capacity	10000 (10000) (10000) (10000)	
Rated Power (kW)	24 (33)	30 (41)
Rated Power (hp)	33 (45)	41 (55)
Rated Torque (kg-cm)	140 (140)	170 (170)
Rated Torque (lb-ft)	103 (103)	125 (125)
Rated Fuel Consumption (l/h)	17 (17)	21 (21)
Max. Working Speed (rpm)	2000	2000
Max. Working Hours (hours)	100	
Working	Horizontal	
Dimensions & Weight	Standard (without hydraulic system)	
Length	2700 mm	2700 mm
Width	1000 mm	1000 mm
Height	1100 mm	1100 mm
Net Weight	1000 kg	1100 kg

Standard (without hydraulic system)

Standard (with hydraulic system) 1000 (1000) (1000) (1000)

Standard (with hydraulic system)

Super Mini Series			
Model	3000D	3000D	3000D
Type	Horizontal 4-cylinder turbocharged diesel		
Number of Cylinders	4		
Rated Capacity	10000 (10000) (10000)		
Rated Power (kW)	24 (33)	30 (41)	30 (41)
Rated Power (hp)	33 (45)	41 (55)	41 (55)
Rated Torque (kg-cm)	140 (140)	170 (170)	170 (170)
Rated Torque (lb-ft)	103 (103)	125 (125)	125 (125)
Rated Fuel Consumption (l/h)	17 (17)	21 (21)	21 (21)
Max. Working Speed (rpm)	2000	2000	2000
Max. Working Hours (hours)	100		
Working	Horizontal		
Dimensions & Weight	Standard (without hydraulic system)		
Length	2700 mm	2700 mm	2700 mm
Width	1000 mm	1000 mm	1000 mm
Height	1100 mm	1100 mm	1100 mm
Net Weight	1000 (1000) (1000)		
Rating	ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007		ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007
CE Marking	CE Marking	CE Marking	CE Marking
CE Marking	CE Marking	CE Marking	CE Marking

Standard (without hydraulic system)

Standard (with hydraulic system) 1000 (1000) (1000) (1000)

Standard (with hydraulic system)

3000 Series Diesel

Model	3000D	3000D
Type	Horizontal 4-cylinder turbocharged diesel	
Number of Cylinders	4	
Rated Capacity	10000 (10000) (10000)	
Rated Power (kW)	24 (33)	30 (41)
Rated Power (hp)	33 (45)	41 (55)
Rated Torque (kg-cm)	140 (140)	170 (170)
Rated Torque (lb-ft)	103 (103)	125 (125)
Rated Fuel Consumption (l/h)	17 (17)	21 (21)
Max. Working Speed (rpm)	2000	2000
Max. Working Hours (hours)	100	
Working	Horizontal	
Dimensions & Weight	Standard (without hydraulic system)	
Length	2700 mm	2700 mm
Width	1000 mm	1000 mm
Height	1100 mm	1100 mm
Net Weight	1000 (1000) (1000)	
Rating	ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007	
CE Marking	CE Marking	CE Marking

Standard (without hydraulic system)

Standard (with hydraulic system) 1000 (1000) (1000) (1000)

Standard (with hydraulic system)

Standard Engine Accessories

- 1. Radiator
- 2. **Water Pump**
- 3. **Water Pump**
- 4. **Water Pump**
- 5. **Water Pump**
- 6. **Water Pump**
- 7. **Water Pump**

Standard

Optional Engine Accessories

Radiator Kit

Air Cleaner Kit

Fuel Filter Kit

Muffler Kit

3000 Series Kit

Water Switch Kit (Application of water)

FINANCIAL STATEMENTS

STATE		2008	2009	2010	2011	2012	2013	2014	2015	
REVENUE		REVENUE FROM SALES AND SERVICES								
Sales		1	1	1	1	1	1	1	1	
Services		1	1	1	1	1	1	1	1	
Other		1	1	1	1	1	1	1	1	
EXPENSES		EXPENSES FOR OPERATIONS								
Cost of Sales		1	1	1	1	1	1	1	1	
Operating Expenses		1	1	1	1	1	1	1	1	
Depreciation and Amortization		1	1	1	1	1	1	1	1	
Selling, General, and Administrative		1	1	1	1	1	1	1	1	
Research and Development		1	1	1	1	1	1	1	1	
Interest Expense		1	1	1	1	1	1	1	1	
Income Tax Expense		1	1	1	1	1	1	1	1	
Net Income		1	1	1	1	1	1	1	1	
FINANCIAL POSITION		FINANCIAL POSITION AT PERIOD END								
Current Assets		1			1			1		
Current Liabilities		1			1			1		
Total Assets		1			1			1		
Total Liabilities		1			1			1		
Total Equity		1			1			1		
FINANCIAL RATIOS		FINANCIAL RATIOS AT PERIOD END								
Current Ratio		1			1			1		
Debt to Capitalization Ratio		1			1			1		
Return on Assets		1			1			1		
Return on Equity		1			1			1		

Notes to Financial Statements

Financial statements prepared in accordance with GAAP and International Accounting Standards

Item	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016
Revenue	1	1	1	1	1	1	1	1	1	1
Expenses	1	1	1	1	1	1	1	1	1	1
Net Income	1	1	1	1	1	1	1	1	1	1
Assets	1	1	1	1	1	1	1	1	1	1
Liabilities	1	1	1	1	1	1	1	1	1	1
Equity	1	1	1	1	1	1	1	1	1	1
Current Ratio	1	1	1	1	1	1	1	1	1	1
Debt to Capitalization Ratio	1	1	1	1	1	1	1	1	1	1
Return on Assets	1	1	1	1	1	1	1	1	1	1
Return on Equity	1	1	1	1	1	1	1	1	1	1

General purpose financial statements are available through our website, [www.annualreports.com](#), and our investor relations department. For more information, please contact our investor relations department.

Item	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016
Revenue	1	1	1	1	1	1	1	1	1	1
Expenses	1	1	1	1	1	1	1	1	1	1
Net Income	1	1	1	1	1	1	1	1	1	1
Assets	1	1	1	1	1	1	1	1	1	1
Liabilities	1	1	1	1	1	1	1	1	1	1
Equity	1	1	1	1	1	1	1	1	1	1

Item	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016
Revenue	1	1	1	1	1	1	1	1	1	1
Expenses	1	1	1	1	1	1	1	1	1	1
Net Income	1	1	1	1	1	1	1	1	1	1
Assets	1	1	1	1	1	1	1	1	1	1
Liabilities	1	1	1	1	1	1	1	1	1	1
Equity	1	1	1	1	1	1	1	1	1	1

Item	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016
Revenue	1	1	1	1	1	1	1	1	1	1
Expenses	1	1	1	1	1	1	1	1	1	1
Net Income	1	1	1	1	1	1	1	1	1	1
Assets	1	1	1	1	1	1	1	1	1	1
Liabilities	1	1	1	1	1	1	1	1	1	1
Equity	1	1	1	1	1	1	1	1	1	1

Item	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016
Revenue	1	1	1	1	1	1	1	1	1	1
Expenses	1	1	1	1	1	1	1	1	1	1
Net Income	1	1	1	1	1	1	1	1	1	1
Assets	1	1	1	1	1	1	1	1	1	1
Liabilities	1	1	1	1	1	1	1	1	1	1
Equity	1	1	1	1	1	1	1	1	1	1

Dimensions (in.)



HP	1.5	2	3	4	5	7.5	10	15	20	25	30	40	50
W	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
H	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
W	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
H	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5



HP	2	3	4	5	7.5	10	15	20	25	30	40	50
W	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
H	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
W	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
H	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5



HP	3	4	5	7.5	10	15	20	25	30	40	50	60	75	100
W	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.5
H	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.5
W	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.5
H	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.5

Dimensions (in.)



Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																														
Power (HP)	0.25	0.37	0.5	0.75	1.0	1.5	2.2	3.0	4.0	5.5	7.5	10	15	20	25	30	37	45	55	65	75	90	110	130	150	175	200	225	250	280	315	350	375	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	6550	6600	6650	6700	6750	6800	6850	6900	6950	7000	7050	7100	7150	7200	7250	7300	7350	7400	7450	7500	7550	7600	7650	7700	7750	7800	7850	7900	7950	8000	8050	8100	8150	8200	8250	8300	8350	8400	8450	8500	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	9050	9100	9150	9200	9250	9300	9350	9400	9450	9500	9550	9600	9650	9700	9750	9800	9850	9900	9950	10000



Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																														
Power (HP)	0.25	0.37	0.5	0.75	1.0	1.5	2.2	3.0	4.0	5.5	7.5	10	15	20	25	30	37	45	55	65	75	90	110	130	150	175	200	225	250	280	315	350	375	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	6550	6600	6650	6700	6750	6800	6850	6900	6950	7000	7050	7100	7150	7200	7250	7300	7350	7400	7450	7500	7550	7600	7650	7700	7750	7800	7850	7900	7950	8000	8050	8100	8150	8200	8250	8300	8350	8400	8450	8500	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	9050	9100	9150	9200	9250	9300	9350	9400	9450	9500	9550	9600	9650	9700	9750	9800	9850	9900	9950	10000



Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																														
Power (HP)	0.25	0.37	0.5	0.75	1.0	1.5	2.2	3.0	4.0	5.5	7.5	10	15	20	25	30	37	45	55	65	75	90	110	130	150	175	200	225	250	280	315	350	375	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	6550	6600	6650	6700	6750	6800	6850	6900	6950	7000	7050	7100	7150	7200	7250	7300	7350	7400	7450	7500	7550	7600	7650	7700	7750	7800	7850	7900	7950	8000	8050	8100	8150	8200	8250	8300	8350	8400	8450	8500	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	9050	9100	9150	9200	9250	9300	9350	9400	9450	9500	9550	9600	9650	9700	9750	9800	9850	9900	9950	10000

Performance Curves (2007-10-08)

Horizontal Diesel

Curve 1



Super Mini Series

Curve 1



Curve 2



Curve 3



Vertical In-line Diesel Series

Curve 1



Curve 2



Curve 3



Curve 4



