ONE SOURCE | MULTIPLE SOLUTIONS

Kubota offers multiple solutions for use all around the world.

Kubota is the world's leading manufacturer of compact diesel engines, providing customers with a single engine source for a multitude of power needs. There is no other engine manufacturer that provides the global emission certifications and diverse fuel options that Kubota does.

EMISSIONS

Kubota's emissions department was created to focus exclusively on environmental concerns. We take all possible measures to ensure that Kubota engines meet or exceed all required emission regulations for the necessary certifications. Kubota offers multiple solutions with the same engine footprint that meets various emission levels.

AFTERTREATMENT

In order to comply with the latest emissions regulations, Kubota has developed the multiple integrated emissions technology and system such as Common Rail System, Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC), and Selective Catalytic Reduction (SCR). These devices provide superior performance and have minimum displacement that clears the emission requirements.

FUEL FLEXIBILITY

Kubota's engine line-up has a variety of fuel options that include diesel, gasoline, liquid propane and natural gas. By offering these options, customers are guaranteed installation compatibility and fuel flexibility all within the same engine footprint.

GLOBAL PRODUCTION FACILITY

Kubota has added production facilities in emerging markets such as Thailand and China in order to cater to their growing demands and to enforce the global engine supply base. Local procurement, productions improve cost efficiency, and "Made by Kubota" assures the high quality and reliability expected from Kubota engines.

GLOBAL DISTRIBUTION NETWORK

Because Kubota is continuously expanding our distribution network, we are able to support our customers worldwide. Kubota delivers exceptional service, sales support, engineering support, parts supply, and product training everywhere Kubota engines are used.

These are the reasons why Kubota is the **one source, multiple solutions** engine expert.

Kubota

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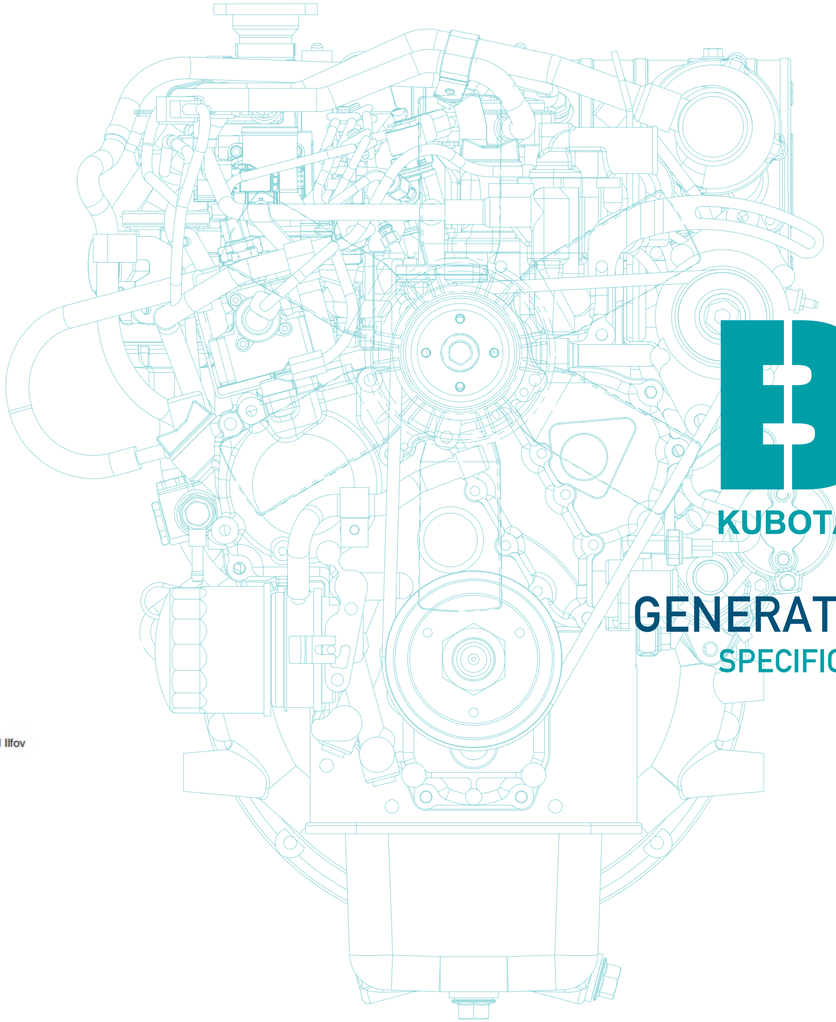


BG

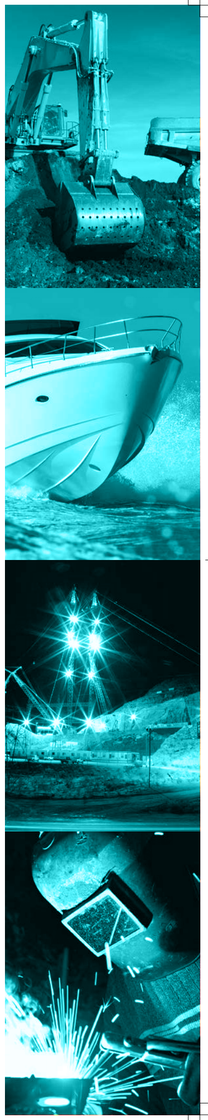
KUBOTA BG Series

GENERATOR ENGINES

SPECIFICATION GUIDE

For Earth, For Life
Kubota

Cat. No. 1405-01-COM '14.11.STD



Specifications

KUBOTA BG Series Generator Engines

*1: Direction of rotation: Counter clockwise viewed from flywheel side
*2: Diesel Oxidation Catalyst (DOC)
*3, 4: Commercial liquid propane gas only. Equivalent to propane HD-5 of GPA standards. (GPA: Gas Processors Association (U.S.A))
*5: Three Way Catalyst (TWC)
*6, 7: Length, Width, Height, and Dry weight for WG series are not including aftertreatment unit.

60 Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60 Hz. 3600 rpm kW (HP)	Continuous (SAE J1349) 60 Hz. 3600 rpm kW (HP)	Fuel Consumption (SAE J1349) 3600 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Oil Pan Capacity L (U.S. gal)	Alternator V-W	Starter V-kW	Dry Weight kg	Dry Weight lb
KUBOTA SM SERIES	Z482	Diesel	EPA/CARB Tier 4	2	IDI	Natural Aspiration	-	67 x 68 (2.64 x 2.68)	0.479 (29.23)	8.9 (11.9)	8.1 (10.8)	285	Mechanical	Short SAE #6.5	Short SAE #5	2.5 (0.66)	12-150	12-0.95	78	172
	D722	Diesel	EPA/CARB Tier 4	3	IDI	Natural Aspiration	-	67 x 68 (2.64 x 2.68)	0.719 (43.88)	13.3 (17.8)	12.2 (16.3)	285	Mechanical	Short SAE #6.5	Short SAE #5	3.8 (1.00)	12-150	12-1.0	88	194

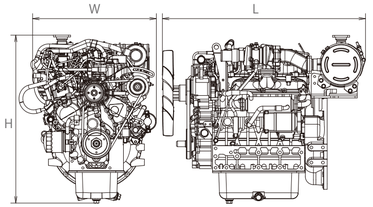
60 Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60 Hz. 1800 rpm kW (HP)	Continuous (SAE J1349) 60 Hz. 1800 rpm kW (HP)	Fuel Consumption (SAE J1349) 1800 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Oil Pan Capacity L (U.S. gal)	Alternator V-W	Starter V-kW	Dry Weight kg	Dry Weight lb
KUBOTA 05 SERIES	D1005-BG	Diesel	EPA/CARB Tier 4	3	IDI	Natural Aspiration	-	76.0 x 73.6 (2.99 x 2.90)	1.001 (61.08)	9.8 (13.1)	8.7 (11.7)	247	Mechanical (+/- 5%)	Short SAE #6.5	Short SAE #5	5.1 (1.35)	12-360	12-1.0	110	242
	D1105-BG	Diesel	EPA/CARB Tier 4	3	IDI	Natural Aspiration	-	78.0 x 78.4 (3.07 x 3.09)	1.123 (68.53)	11.5 (15.4)	10.1 (13.5)	247	Mechanical (+/- 5%)	Short SAE #6.5	Short SAE #5	5.1 (1.35)	12-360	12-1.0	110	242
	D1305-BG	Diesel	EPA/CARB Tier 4	3	IDI	Natural Aspiration	-	78.0 x 88.0 (3.07 x 3.46)	1.261 (76.95)	13.1 (17.6)	11.6 (15.6)	254	Mechanical (+/- 5%)	Short SAE #6.5	Short SAE #5	5.7 (1.51)	12-360	12-1.0	112	247
	V1505-BG	Diesel	EPA/CARB Tier 4	4	IDI	Natural Aspiration	-	78.0 x 78.4 (3.07 x 3.09)	1.498 (91.41)	15.1 (20.2)	13.4 (18.0)	247	Mechanical (+/- 5%)	Short SAE #6.5	Short SAE #5	6.0 (1.59)	12-360	12-1.2	127	280
KUBOTA 03 SERIES	D1503-M-BG	Diesel	EPA/CARB Tier 4	3	IDI	Natural Aspiration	-	83 x 92.4 (3.27 x 3.64)	1.499 (91.47)	16.2 (21.7)	15.1 (20.2)	236	Isochronous Electronic	Short SAE #7.5	Short SAE #4	5.6 (1.48)	12-480	12-1.4	164	361
	D1803-CR-TI-BG	Diesel	EPA/CARB Tier 4	3	DI	Turbocharged + Turbo After Cooler	DOC *2	87.0 x 102.4 (3.43 x 4.03)	1.826 (111.43)	24.2 (32.4)	20.2 (27.1)	229	Isochronous Electronic	Short SAE #7.5	Short SAE #4	7.0 (1.85)	12-720	12-2.0	213	469
	V2403-CR-TI-BG	Diesel	EPA/CARB Tier 4	4	DI	Turbocharged + Turbo After Cooler	DOC	87.0 x 102.4 (3.43 x 4.03)	2.434 (148.53)	33.6 (45.0)	30.6 (41.0)	226	Isochronous Electronic	Short SAE #7.5	Short SAE #4	9.5 (2.51)	12-720	12-2.0	250	551

60 Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60 Hz. 1800 rpm kW (HP)	Continuous (SAE J1349) 60 Hz. 1800 rpm kW (HP)	Fuel Consumption (SAE J1349) 1800 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Oil Pan Capacity L (U.S. gal)	Alternator V-W	Starter V-kW	Dry Weight kg	Dry Weight lb
KUBOTA EPA MARINE ENGINE	V2403-M-BG	Diesel	EPA Marine 2014 Tier 3	4	IDI	Natural Aspiration	-	87 x 102.4 (3.43 x 4.03)	2.434 (148.50)	24.9 (33.4)	20.8 (27.9)	246	Mechanical (+/- 5%)	Short SAE #7.5	Short SAE #4	9.5 (2.51)	12-480	12-2.0	204	449
	V3300-BG	Diesel	EPA Marine 2014 Tier 3	4	IDI	Natural Aspiration	-	98 x 110 (3.86 x 4.33)	3.318 (202.48)	33.6 (45.0)	30.6 (41.0)	248	Mechanical (+/- 5%)	Short SAE #10, #11.5	Short SAE #3	9.0 (2.38)	12-540	12-2.5	280	617

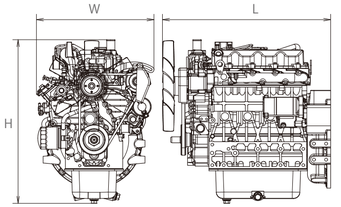
60 Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60 Hz. 1800 rpm kW (HP)	Continuous (SAE J1349) 60 Hz. 1800 rpm kW (HP)	Fuel Consumption (SAE J1349) 1800 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Oil Pan Capacity L (U.S. gal)	Alternator V-W	Starter V-kW	Dry Weight kg	Dry Weight lb
KUBOTA WG SERIES	WG1605-BG	Unleaded Gasoline	EPA Tier 2/CARB Tier 3	4	SI	Natural Aspiration	TWC*5	79.0 x 78.4 (3.11 x 3.09)	1.537 (93.79)	19.2 (25.7)	17.8 (23.9)	270	Isochronous Electronic	Short SAE #6.5	Short SAE #5	6.0 (1.59)	12-480	12-1.4	138 *6	304 *6
		Commercial LPG *3								19.0 (25.5)	17.6 (23.6)	260								
		Natural Gas								Contact your local distributor for advice.										
	WG2503-BG	Unleaded Gasoline	EPA Tier 2/CARB Tier 3	4	SI	Natural Aspiration	TWC	88.0 x 102.4 (3.46 x 4.031)	2.491 (152.01)	28.7 (38.5)	23.9 (32.0)	285	Isochronous Electronic	Short SAE #7.5	Short SAE #4	9.5 (2.51)	12-720	12-2.0	221 *7	487 *7
		Commercial LPG *4								29.7 (39.8)	24.8 (33.2)	265								
		Natural Gas								Contact your local distributor for advice.										

50 Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 50 Hz. 3000 rpm kW (HP)	Continuous (SAE J1349) 50 Hz. 3000 rpm kW (HP)	Fuel Consumption (SAE J1349) 3000 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Oil Pan Capacity L (U.S. gal)	Alternator V-W	Starter V-kW	Dry Weight kg	Dry Weight lb
KUBOTA SM SERIES	Z482	Diesel	-	2	IDI	Natural Aspiration	-	67 x 68 (2.64 x 2.68)	0.479 (29.23)	7.5 (10.2)	6.9 (9.2)	265	Mechanical	Short SAE #6.5	Short SAE #5	2.5 (0.66)	12-150	12-0.95	78	172
	D722	Diesel	-	3	IDI	Natural Aspiration	-	67 x 68 (2.64 x 2.68)	0.719 (43.88)	11.3 (15.1)	10.3 (13.8)	265	Mechanical	Short SAE #6.5	Short SAE #5	3.8 (1.00)	12-150	12-1.0	88	194

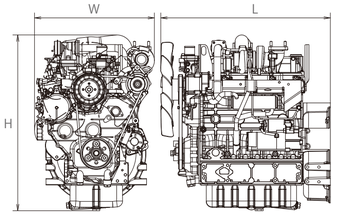
50 Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 50 Hz. 1500 rpm kW (HP)	Continuous (SAE J1349) 50 Hz. 1500 rpm kW (HP)	Fuel Consumption (SAE J1349) 1500 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Oil Pan Capacity L (U.S. gal)	Alternator V-W	Starter V-kW	Dry Weight (inc. aftertreatment) kg	Dry Weight (inc. aftertreatment) lb
KUBOTA 05 SERIES	D1105-BG2	Diesel	-	3	IDI	Natural Aspiration	-	78.0 x 78.4 (3.07 x 3.09)	1.123 (68.53)	9.5 (12.7)	8.4 (11.3)	247	Mechanical (+/- 5%)	Short SAE #6.5	Short SAE #5	5.1 (1.35)	12-360	12-1.0	110	242
	V1505-BG2	Diesel	-	4	IDI	Natural Aspiration	-	78.0 x 78.4 (3.07 x 3.09)	1.498 (91.41)	12.5 (16.8)	11.1 (14.9)	247	Mechanical (+/- 5%)	Short SAE #6.5	Short SAE #5	6.0 (1.59)	12-360	12-1.2	127	280
KUBOTA 03 SERIES	D1703-M-BG	Diesel	-	3	IDI	Natural Aspiration	-	87 x 92.4 (3.43 x 3.64)	1.647 (100.51)	15.0 (20.1)	12.8 (17.2)	233	Isochronous Electronic	Short SAE #7.5	Short SAE #4	5.6 (1.48)	12-480	12-1.4	164	361
	V2003-M-BG	Diesel	EU Stage IIIA	4	IDI	Natural Aspiration	-	83 x 92.4 (3.27 x 3.64)	1.999 (121.98)	18.1 (24.3)	15.5 (20.8)	233	Isochronous Electronic	Short SAE #7.5	Short SAE #4	7.6 (2.01)	12-480	12-1.4	195	430
	V2203-M-BG	Diesel	EU Stage IIIA	4	IDI	Natural Aspiration	-	87 x 92.4 (3.43 x 3.64)	2.197 (134.07)	20.1 (27.0)	17.2 (23.1)	233	Isochronous Electronic	Short SAE #7.5	Short SAE #4	7.6 (2.01)	12-480	12-1.4	195	430
	V2403-M-BG	Diesel	EU Stage IIIA	4	IDI	Natural Aspiration	-	87 x 102.4 (3.43 x 4.03)	2.434 (148.50)	22.0 (29.5)	18.8 (25.2)	233	Isochronous Electronic	Short SAE #7.5	Short SAE #4	9.5 (2.51)	12-480	12-2.0	204	449
	V2003-M-T-BG	Diesel	EU Stage IIIA	4	IDI	Turbocharged	-	83 x 92.4 (3.27 x 3.64)	1.999 (121.99)	22.5 (30.2)	20.4 (27.4)	233	Isochronous Electronic	Short SAE #7.5	Short SAE #4	7.6 (2.01)	12-480	12-1.4	208	458
KUBOTA V3 SERIES	V3300-BG2	Diesel	EU Stage IIIA	4	IDI	Natural Aspiration	-	98 x 110 (3.86 x 4.33)	3.318 (202.48)	27.5 (36.9)	25.0 (33.5)	243	Mechanical (+/- 5%)	Short SAE #10, #11.5	Short SAE #3	13.2 (3.49)	12-540	12-2.5	280	617
	V3800DI-T-BG2	Diesel	EU Stage IIIA	4	DI	Turbocharged	-	100 x 120 (3.94 x 4.72)	3.769 (230.00)	42.9 (57.5)	39.0 (52.3)	224	Isochronous Electronic	Short SAE #10, #11.5	Short SAE #2	13.2 (3.49)	12-540	12-3.0	290	639



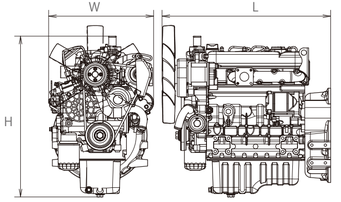
KUBOTA 03 SERIES (DOC)	Width mm	Width in	Length mm	Length in	Height mm	Height in
D1803-CR-TI-BG	549	21.6	812	32.0	745	29.3
V2403-CR-TI-BG	549	21.6	907	35.7	745	29.3



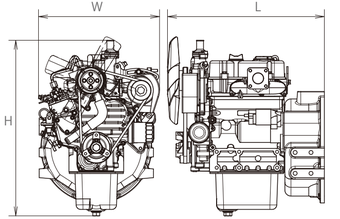
KUBOTA 03 SERIES	Width mm	Width in	Length mm	Length in	Height mm	Height in
D1503-M-BG	485	19.1	606	23.9	643	25.3
D1703-M-BG	485	19.1	606	23.9	643	25.3
V2003-M-BG	485	19.1	701	27.6	633	24.9
V2003-M-T-BG	485	19.1	701	27.6	674	26.5
V2203-M-BG	485	19.1	701	27.6	633	24.9
V2403-M-BG	485	19.1	701	27.6	684	26.9
WG2503-BG *7	526	20.7	693	27.3	742	29.2



KUBOTA V3 SERIES	Width mm	Width in	Length mm	Length in	Height mm	Height in
V3300-BG/BG2	539	21.2	769	30.3	746	29.4
V3800DI-T-BG2	544	21.4	769	30.3	797	31.4



KUBOTA 05 SERIES	Width mm	Width in	Length mm	Length in	Height mm	Height in
D1005-BG	394	15.5	551	21.7	605	23.8
D1105-BG/BG2	394	15.5	551	21.7	605	23.8
D1305-BG	394	15.5	551	21.7	590	23.2
V1505-BG/BG2	398	15.7	636	25.0	607	23.9
WG1605-BG *6	486	19.1	636	25.0	655	25.8



KUBOTA SM SERIES	Width mm	Width in	Length mm	Length in	Height mm	Height in
Z482	412	16.2	436	17.2	553	21.8
D722	412	16.2	508	20.0	553	21.8