

Specifications

KUBOTA BG Series Generator Engines

- *1: Direction of rotation: Counter clockwise viewed from flywheel side
- *2: Indirect Injection
- *3: Direct Injection
- *4: Diesel Oxidation Catalyst (DOC)
- *5: Commercial liquid propane gas only. Equivalent to propane HD-5 of GPA standards. (GPA : Gas Processors Association (U.S.A))
- *6: Spark Ignition
- *7: Three Way Catalyst (TWC)
- *8: Length, Width, Height, and Dry weight for WG series are not including aftertreatment unit.
- *9: Specification is subject to change without notice.

60Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60Hz 3600 rpm kW (HP)	Continuous (SAE J1349) 60Hz 3600 rpm kW (HP)	Fuel Consumption (SAE J1349) 60Hz 3600 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Lubricating Oil Capacity L (U.S.gal)	Alternator V-W	Starter V-W	Dry Weight kg lb
KUBOTA SM SERIES	Z482	Diesel	EPA/CARB Tier 4	2	IDI *2	Naturally Aspirated	-	67.0 x 68.0 (2.64 x 2.68)	0.479 (29.23)	8.9 (11.9)	8.1 (10.9)	285	Mecanical	Short SAE #6.5	Short SAE #5	2.5 (0.66)	12-168	12-0.95	78 172
	D722	Diesel	EPA/CARB Tier 4	3	IDI	Naturally Aspirated	-	67.0 x 68.0 (2.64 x 2.68)	0.719 (43.88)	13.3 (17.8)	12.2 (16.4)	285	Mecanical	Short SAE #6.5	Short SAE #5	3.8 (1.00)	12-168	12-1.0	88 194

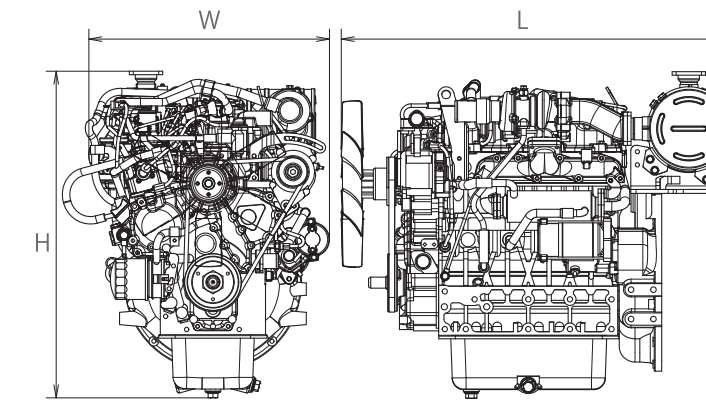
60Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60Hz 1800 rpm kW (HP)	Continuous (SAE J1349) 60Hz 1800 rpm kW (HP)	Fuel Consumption (SAE J1349) 60Hz 1800 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Lubricating Oil Capacity L (U.S.gal)	Alternator V-W	Starter V-W	Dry Weight kg lb
KUBOTA SM SERIES	Z482	Diesel	EPA/CARB Tier 4	2	IDI	Naturally Aspirated	-	67.0 x 68.0 (2.64 x 2.68)	0.479 (29.23)	4.2 (5.6)	3.8 (5.1)	278	Isochronous Electronic	Short SAE #6.5	Short SAE #5	3.8 (1.0)	12-360	12-0.95	81 179
	D1105-BG	Diesel	EPA/CARB Tier 4	3	IDI	Naturally Aspirated	-	76.0 x 73.6 (2.99 x 2.90)	1.001 (61.06)	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	110 243
KUBOTA 05 SERIES	D1105-BG	Diesel	EPA/CARB Tier 4	3	IDI	Naturally Aspirated	-	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	110 243
	D1305-BG	Diesel	EPA/CARB Tier 4	3	IDI	Naturally Aspirated	-	78.0 x 88.0 (3.07 x 3.46)	1.261 (78.95)	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	Naturally Aspirated	-	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	Naturally Aspirated	-	83.0 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	170 374
	D1803-CR-TI-BG	Diesel	EPA/CARB Tier 4	3	DI *3	Turbocharged + Turbo After Cooler	DOC *4	87.0 x 102.4 (3.43 x 4.031)	1.826 (111.4)	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 4.031)	2.434 (148.5)	33.6 (45.1)	30.6 (41.0)	229	Isochronous Electronic	Short SAE #7.5	Short SAE #4	9.5 (2.51)	12-720	12-2.0	250 551
	V2403-CR-TI-BG	Diesel	EPA/CARB Tier 4	4	DI	Turbocharged + Turbo After Cooler	DOC	87.0 x 102.4 (3.43 x 4.031)	2.434 (148.5)	33.6 (45.1)	30.6 (41.0)	229	Isochronous Electronic	Short SAE #7.5	Short SAE #4	9.5 (2.51)	12-720	12-2.0	250 551

60Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60Hz 1800 rpm kW (HP)	Continuous (SAE J1349) 60Hz 1800 rpm kW (HP)	Fuel Consumption (SAE J1349) 60Hz 1800 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Lubricating Oil Capacity L (U.S.gal)	Alternator V-W	Starter V-W	Dry Weight kg lb
KUBOTA EPA MARINE ENGINE	V2403-M-BG	Diesel	EPA Marine 2014 Tier 3	4	IDI	Naturally Aspirated	-	87.0 x 102.4 (3.43 x 4.031)	2.434 (148.5)	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	Naturally Aspirated	-	98.0 x 110.0 (3.86 x 4.331)	3.318 (202.5)	33.6 (45.1)	30.6 (41.0)	248	Mechanical (+/-5%)	Short SAE #10,#11.5	Short SAE #3	13.2 (3.49)	12-540	12-2.5	280 617

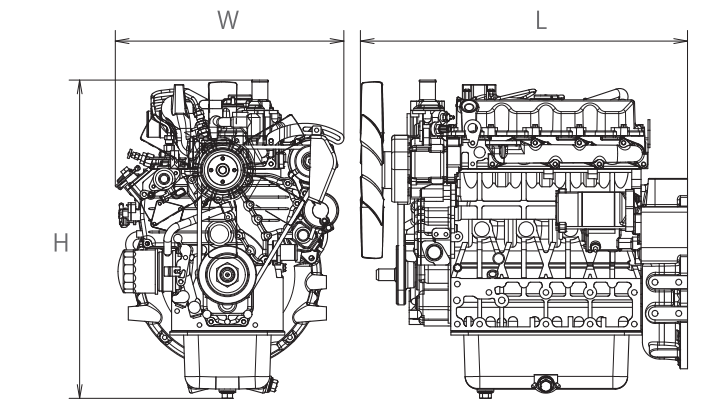
60Hz	Model	Fuel Type	Off-Road Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 60Hz 1800 rpm kW (HP)	Continuous (SAE J1349) 60Hz 1800 rpm kW (HP)	Fuel Consumption (SAE J1349) 60Hz 1800 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Lubricating Oil Capacity L (U.S.gal)	Alternator V-W	Starter V-W	Dry Weight kg lb
KUBOTA WG SERIES	WG1605-BG	Unleaded Gasoline	EPA Tier 2/CARB Tier 3	4	SI *6	Naturally Aspirated	TWC *7	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	138 304
		Commercial LPG *5								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	Naturally Aspirated	TWC	88.0 x 102.4 (3.46 x 4.031)	2.491 (152.0)	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	221 487
		Commercial LPG								29.7 (39.8)	24.8 (33.2)	265							
		Natural Gas								Contact your local distributor for advice.									

50Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 50Hz 3000 rpm kW (HP)	Continuous (SAE J1349) 50Hz 3000 rpm kW (HP)	Fuel Consumption (SAE J1349) 50Hz 3000 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Lubricating Oil Capacity L (U.S.gal)	Alternator V-W	Starter V-W	Dry Weight kg lb
KUBOTA SM SERIES	Z482	Diesel	-	2	IDI	Naturally Aspirated	-	67.0 x 68.0 (2.64 x 2.68)	0.479 (29.23)	7.5 (10.1)	6.9 (9.2)	265	Mecanical	Short SAE #6.5	Short SAE #5	2.5 (0.66)	12-168	12-0.95	78 172
	D722	Diesel	-	3	IDI	Naturally Aspirated	-	67.0 x 68.0 (2.64 x 2.68)	0.719 (43.88)	11.3 (15.1)	10.3 (13.6)	265	Mecanical	Short SAE #6.5	Short SAE #5	3.8 (1.00)	12-168	12-1.0	88 194

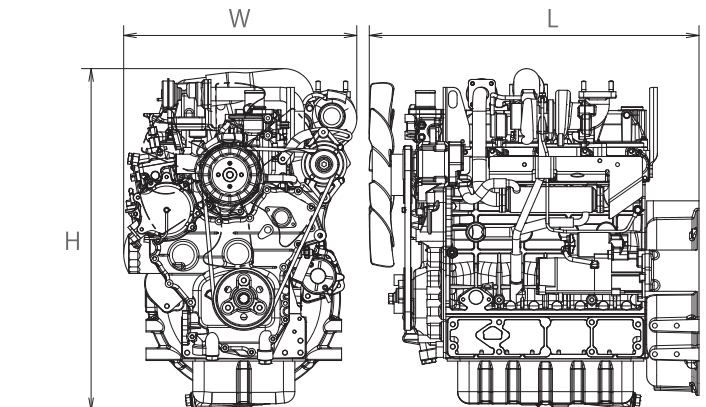
50Hz	Model	Fuel Type	Emission Regulation	Cylinders	Combustion System	Aspiration	Aftertreatment	Bore x Stroke mm (in)	Displacement L (cu.in)	Stand-by (SAE J1349) 50Hz 1500 rpm kW (HP)	Continuous (SAE J1349) 50Hz 1500 rpm kW (HP)	Fuel Consumption (SAE J1349) 50Hz 1500 rpm g/kWh	Governor Type (Governor Droop)	Flywheel	Flywheel Housing	Lubricating Oil Capacity L (U.S.gal)	Alternator V-W	Starter V-W	Dry Weight kg lb
KUBOTA SM SERIES	Z482	Diesel	-	2	IDI	Naturally Aspirated	-	67.0 x 68.0 (2.64 x 2.68)	0.479 (29.23)	3.6 (4.8)	3.4 (4.6)	270	Isochronous Electronic	Short SAE #6.5	Short SAE #5	3.8 (1.0)	12-360	12-0.95	81 179
	D1105-BG2	Diesel	-	3	IDI	Naturally Aspirated	-	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	110 243
KUBOTA 05 SERIES	V1505-BG2	Diesel	-	4	IDI	Naturally Aspirated	-	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
	D1703-M-BG	Diesel	-	3	IDI	Naturally Aspirated	-	87.0 x 92.4 (3.43 x 3.64)	1.647 (100.5)	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	170 374
	V2003-M-BG	Diesel	EU Stage IIIA	4	IDI	Naturally Aspirated	-	83.0 x 92.4 (3.27 x 3.64)	1.999 (122.0)	18.1 (24.0)	15.5 (20.3)	233	Isochronous Electronic	Short SAE #7.5	Short SAE #4	7.6 (2.01)	12-480	12-1.4	200 441
KUBOTA 03 SERIES	V2203-M-BG	Diesel	EU Stage IIIA	4	IDI	Naturally Aspirated	-	87.0 x 92.4 (3.43 x 3.64)	2.197 (134.1)	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	200 441
	V2403-M-BG	Diesel	EU Stage IIIA	4	IDI	Naturally Aspirated	-	87.0 x 102.4 (3.43 x 4.031)	2.434 (148.5)	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	-	83.0 x 92.4 (3.27 x 3.64)	1.999 (122.0)	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
	V3300-BG2	Diesel	EU Stage IIIA	4	IDI	Naturally Aspirated	-	98.0 x 110.0 (3.86 x 4.331)	3.318 (202.5)	37.5 (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
KUBOTA V3 SERIES	V3800DI-T-BG2	Diesel	EU Stage IIIA	4	DI	Turbocharged	-	100.0 x 120.0 (3.937 x 4.724)	3.769 (230.0)	42.9 (57.5)	39.0 (52.3)	224	Isochronous Electronic	Short SAE #10,#11.5	Short SAE #3	13.2 (3.49)	12-540	12-3.0	290 639



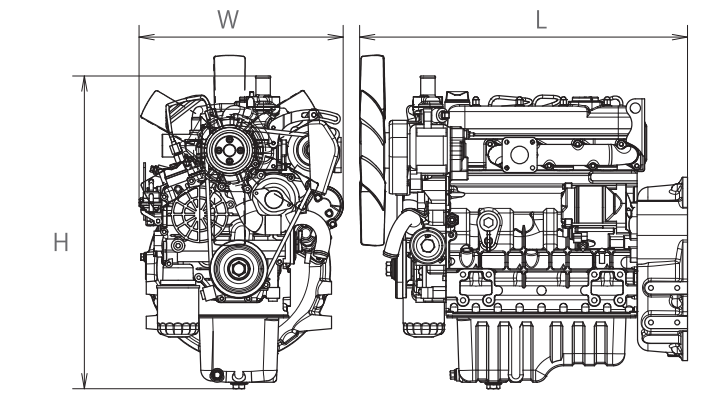
KUBOTA 03 SERIES(DOC)	Length		Width		Height	
	mm	in	mm	in	mm	in
D1803-CR-TI-BG	574	22.6	536	21.1	728	28.7
V2403-CR-TI-BG	669	26.3	549	21.6	728	28.7



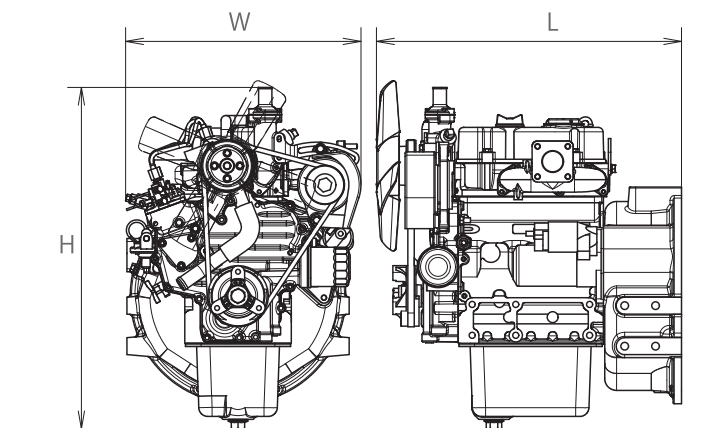
KUBOTA 03 SERIES	Length		Width		Height	
	mm	in	mm	in	mm	in
D1503-M-BG	574	22.6	481	18.9	643	25.3
D1703-M-BG	574	22.6	481	18.9	643	25.3
V2003-M-BG	669	26.3	481	18.9	633	24.9
V2003-M-T-BG	669	26.3	484	19.1	674	26.5
V2203-M-BG	669	26.3	481	18.9	633	24.9
V2403-M-BG	669	26.3	484	19.1	684	26.9
WG2503-BG	693	27.3	526	20.7	742	29.2



KUBOTA V3 SERIES	Length		Width		Height	
	mm	in	mm	in	mm	in
V3300-BG/BG2	738	29.1	536	21.1	746	29.4
V3800DI-T-BG2	738	29.1	544	21.4	797	31.4



KUBOTA 05 SERIES	Length		Width		Height	
	mm	in	mm	in	mm	in
D1005-BG	516	20.3	391	15.4	605	23.8
D1105-BG/BG2	516	20.3	391	15.4	605	23.8
D1305-BG	516	20.3	396	15.6	590	23.2
V1505-BG/BG2	601	23.7	391	15.4	607	23.9
WG1605-BG	636	25.0	486	19.1	655	25.8



KUBOTA SM SERIES	Length		Width		Height	
	mm	in	mm	in	mm	in
Z482	413	16.3	386	15.2	564	22.2
Z482 with electronic governor	428	16.9	433	17.0	564	22.2
D722	485	19.1	386	15.2	564	22.2



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.

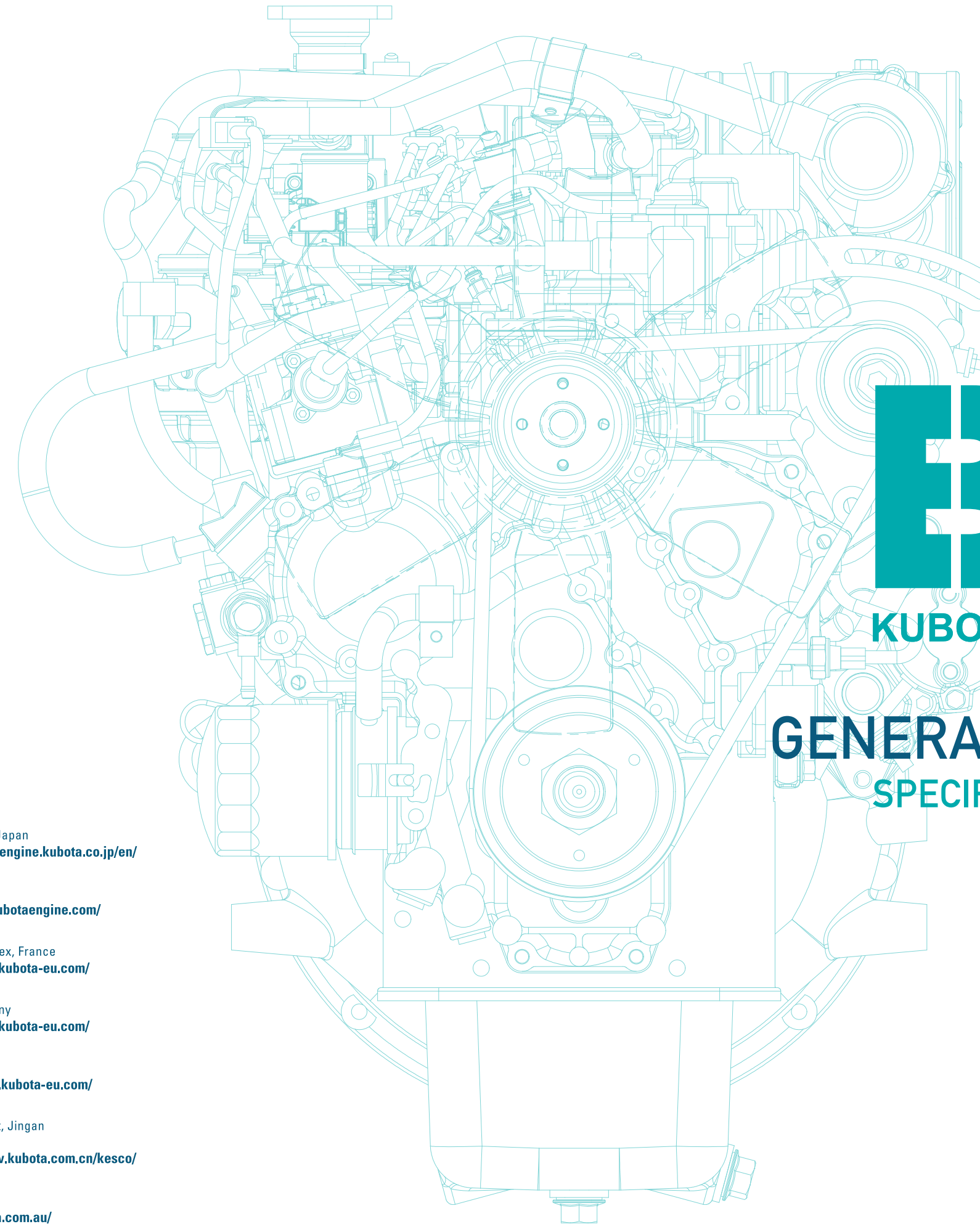
GLOBAL PRODUCTION FACILITY

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.



BG

KUBOTA BG Series

GENERATOR ENGINES SPECIFICATION GUIDE

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For Earth, For Life
Kubota