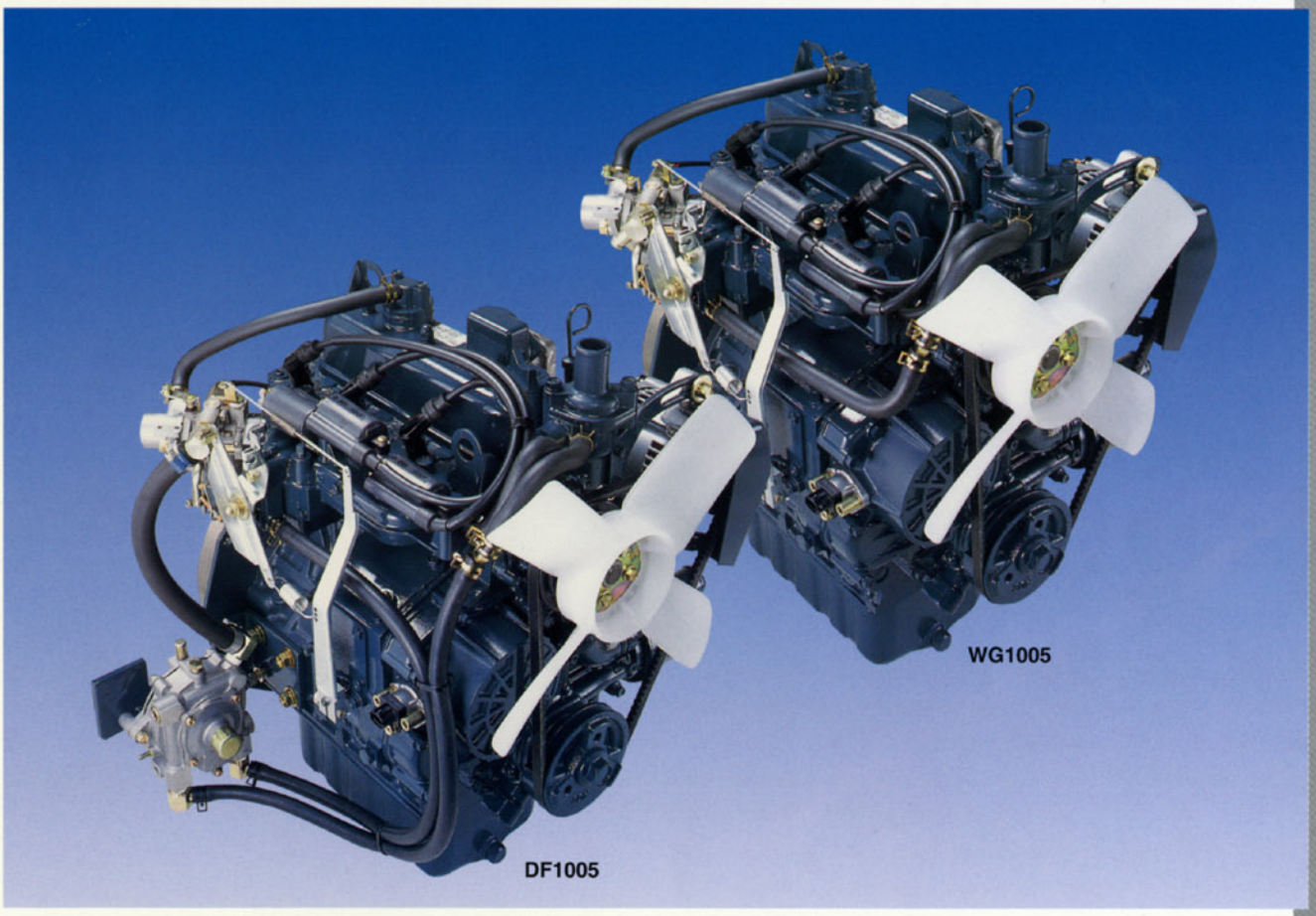
Kubota

KUBOTA LIQUID-COOLED GASOLINE and GASOLINE/LP GAS ENGINES



WG752/DF752 and WG1005/DF1005

Total displacement 740 cc/996 cc

Maximum output WG/DF752 : 17.1 kW (Gasoline) and 16.4 kW (LP Gas)/3600rpm
WG/DF1005 : 23.1 kW (Gasoline) and 22.0 kW (LP Gas)/3600rpm

ISO 9002 Certified KUBOTA ENGINE PLANTS – SAKAI/TSUKUBA/SAKAI-RINKAI–

Gasoline and Gasoline/LP Gas Engines that are as "Tough" as their Diesel counterparts

Kubota's longstanding dedication and commitment to research and development has earned us a reputation worldwide as a manufacturer of top quality industrial engines. One of Kubota's major concerns has always been the development of **"High Power Density"**, **"High Power Quality"** engines with absolute **"Reliability"** to meet your demands. Our long technical experience, untiring research, and state of the art manufacturing technology led to the creation of KUBOTA **"Tough Stuff".**

■ Outstanding Features

Extremely Durable and Highly Reliable

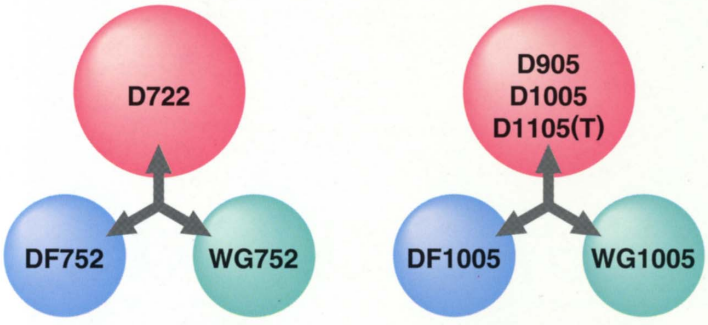
The new WG/DF engines, which are solidly based on Kubota's world acclaimed diesel engines, will meet and beat the toughest industrial challenges.

Compact and Tough

Kubota is the leader in pioneering the compact engine concept. Our compact technology delivers "High Power Density" and "High Power Quality" engines that are also known for their "Toughness".

Interchangeable with Kubota's Diesel Engines

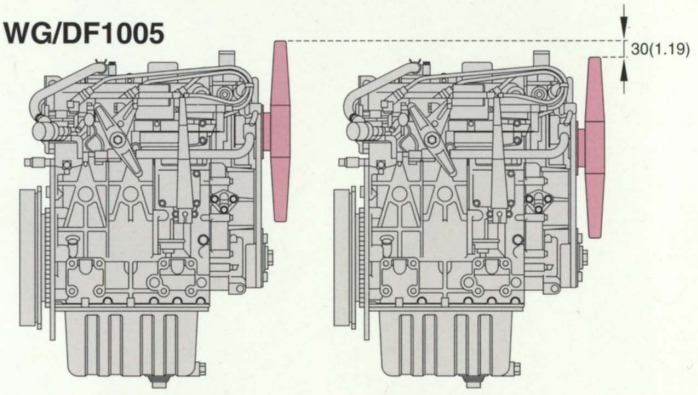
The WG/DF engines have the exact same footprint as the Kubota diesel engines.
Most of the optional parts are also interchangeable.



Two Fan Locations

Fan location can be selected from either "Low Fan" or "High Fan" position.

WG/DF1005



[mm(inch)]

Environmentally Friendly (Clean and Silent)

The new combustion chamber, designed exclusively for the dual fuel engines, effectively reduced both emissions and noise. Kubota's outstanding technology enables us to meet all current existing emission regulations around the world. WG/DF752 engines are certified for both CARB Tier 2 and EPA Phase 2 emission regulations. WG/DF1005 engines have the capability of passing both CARB LSI Tier 1 and EPA Phase 2 emission regulations.


WG752


DF752


WG1005

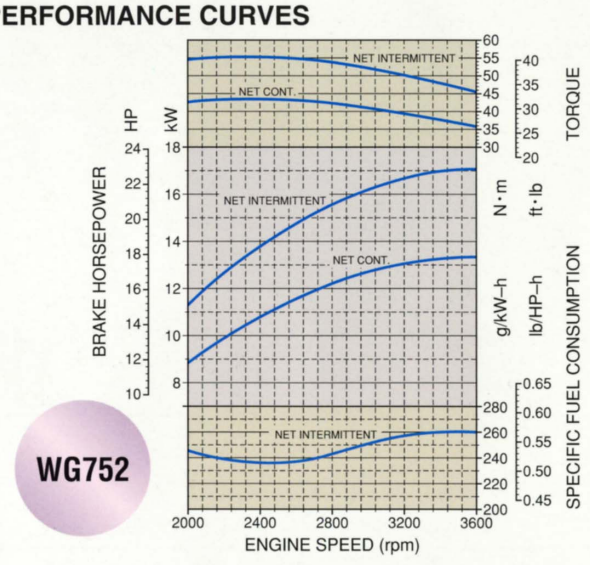

DF1005

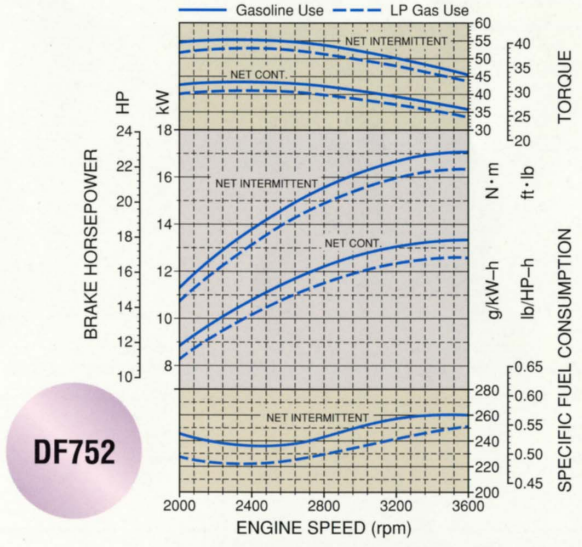
■ SPECIFICATIONS

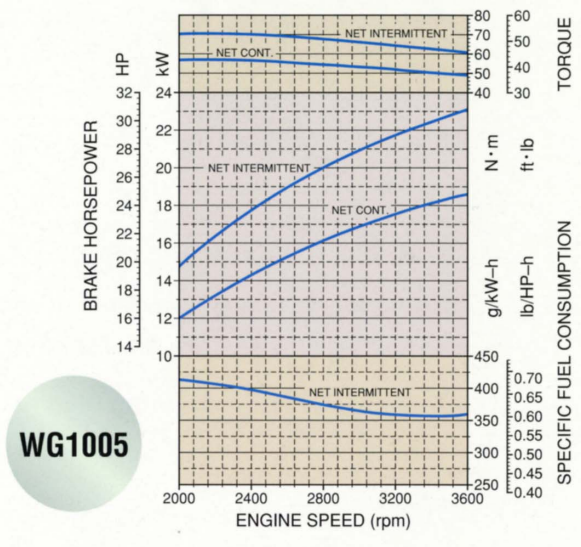
Model		WG752	DF752		WG1005	DF1005	
Type		Vertical, liquid-cooled 4-cycle Gasoline engine	Vertical, liquid-cooled 4-cycle engine		Vertical, liquid-cooled 4-cycle Gasoline engine	Vertical, liquid-cooled 4-cycle engine	
			Gasoline use	LPG use		Gasoline use	LPG use
Number of Cylinders		3 IN-LINE			3 IN-LINE		
Cylinder Bore x Stroke [mm(in.)]		68 x 68 (2.68 x 2.68)			75.8 x 73.6 (2.98x 2.90)		
Displacement [L(cu.in.)]		0.740 (45.2)			0.996 (60.8)		
Brake Horsepower SAE J1349	Gross Intermittent [kW(HP)/rpm]	18.3 (24.5)/3600		17.5 (23.5) /3600	24.2 (32.5)/3600		23.1 (31.0) /3600
	Net Intermittent [kW(HP)/rpm]	17.1 (23.0)/3600)		16.4 (22.0) /3600	23.1 (31.0)/3600		22.0 (29.5) /3600
	Net Continuous [kW(HP)/rpm]	13.4 (18.0/3600)		12.7 (17.0) /3600	18.6 (25.0)/3600		17.5 (23.5) /3600
No Load High Idling Speed [rpm]		3850			3750		
No Load Low Idling Speed [rpm]		1500			1500		
Max. Torque [N·m (lbs ft)/rpm]		54.9 (40.5)/2400		52.0 (38.3) /2400	70.8 (52.2)/2000		70.2 (51.8) /2000
Fuel		Unleaded gasoline		*Commercial LPG	Unleaded gasoline		*Commercial LPG
Lubricating System		Forced lubricating by trochoid pump			Forced lubricating by trochoid pump		
Lubricating Oil		Quality better than SH class			Quality better than SH class		
Cooling System		Radiator (Not included in the basic specification)			Radiator (Not included in the basic specification)		
Starter Capacity [V–kW]		12 - 0.7			12 - 1.0		
Alternator Capacity [V–W]		12 - 150			12 - 480		
Dry Weight [kg (lbs.)]		61.7 (136.0)			93.0 (205)		
Dimensions (L×W×H)	High Fan Position [mm(in.)]	421×392×540 (16.57×15.44×21.26)			498×404×610 (19.61×15.91×24.02)		
	Low Fan Position [mm(in.)]	421×392×501 (16.57×15.44×19.72)			498×404×610 (19.61×15.91×24.02)		
Direction of Rotation		Counterclockwise (viewed from the flywheel side)			Counterclockwise (viewed from the flywheel side)		

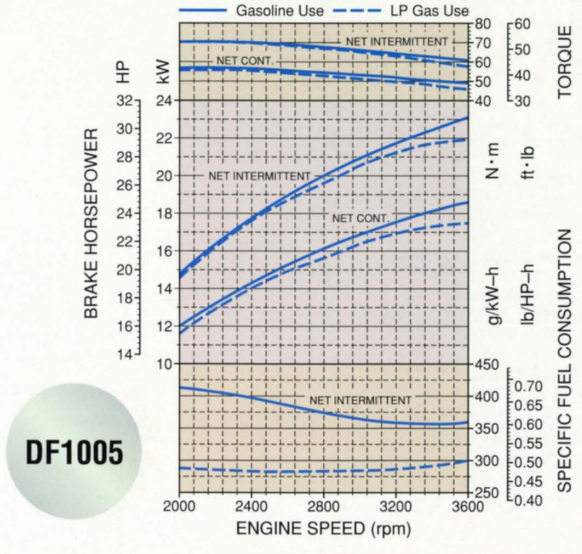
Note: *LPG regulator with vaporizer operates on a liquid withdrawal type system.

■ PERFORMANCE CURVES





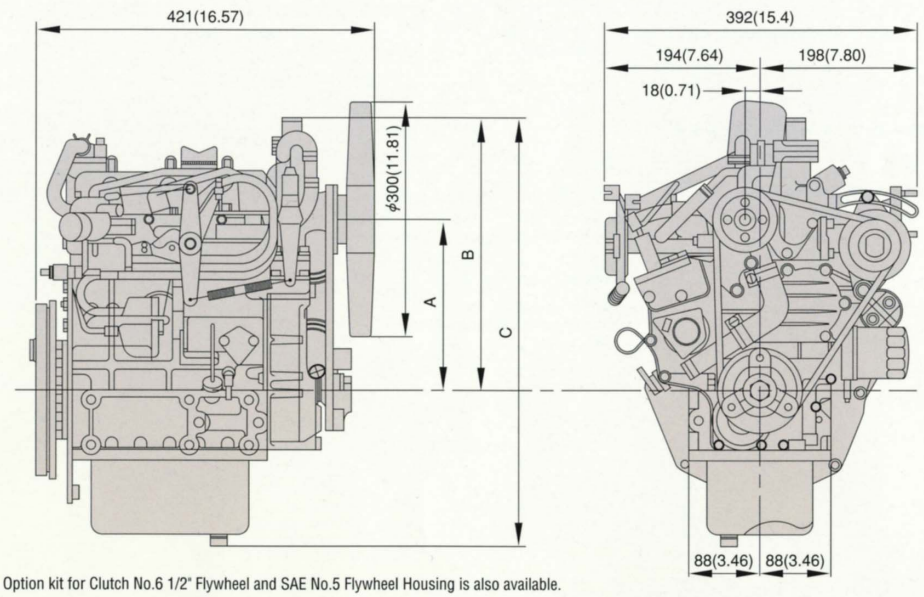




■ DIMENSIONS [mm(inch)]

WG752 /DF752

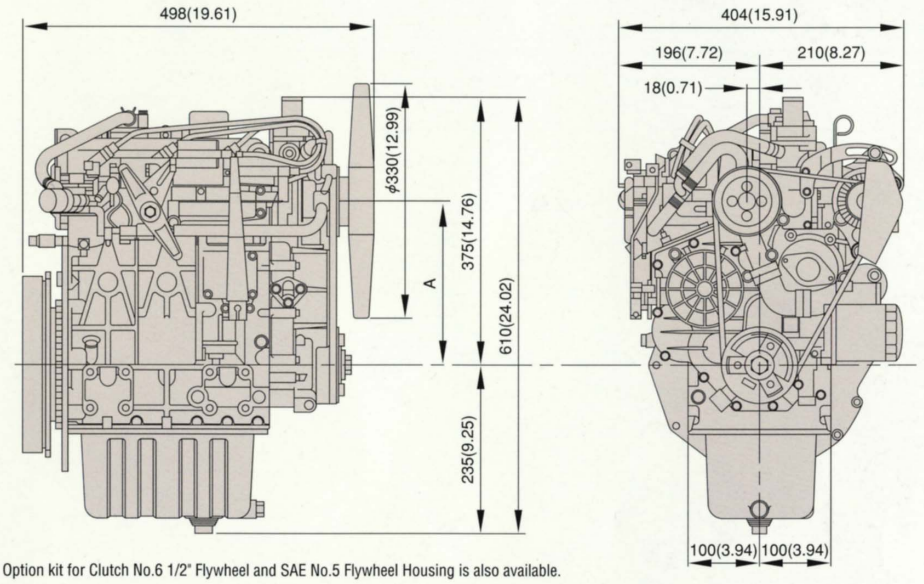
	A	B	C
High Fan Position	215(8.46)	344(13.54)	540(21.26)
Low Fan Position	175(6.89)	305(12.01)	501(19.72)



Shown above: with Kubota Standard flywheel and rear-end-plate. Option kit for Clutch No.6 1/2" Flywheel and SAE No.5 Flywheel Housing is also available.

WG1005 /DF1005

	A
High Fan Position	230(9.06)
Low Fan Position	200(7.87)



Shown above: with Kubota Standard flywheel and rear-end-plate. Option kit for Clutch No.6 1/2" Flywheel and SAE No.5 Flywheel Housing is also available.

*Specifications and dimensions are subject to change without prior notice.

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