



# GAMMA Series

## GWT6-2A Variable Speed Engine

### GWT6-2A - 22

Power range: 84 - 100 kW; 112.6 - 134 bhp  
Variable speed: 1500 - 2200 r/min

### Turbocharged heavy-duty variable speed diesel engine

#### Special Attributes

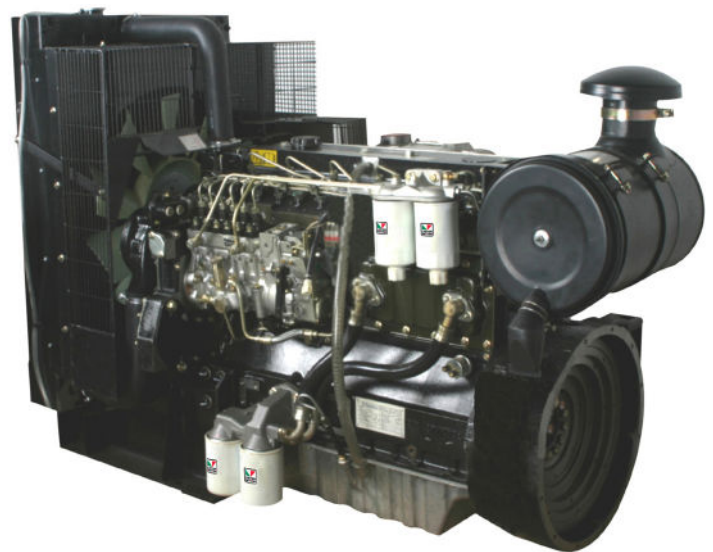
- ✓ 400-hour service intervals
- ✓ continuous operation in ambient temperatures up to 50°C (122°F)
- ✓ cold-start down to -10°C (-14°F)

#### Basic Engine Characteristics

- six cylinders
- diesel fuelled
- direct injection
- water cooled
- turbocharged

#### Design Features and Equipment

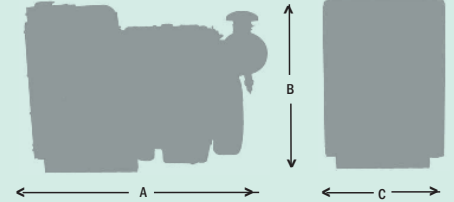
- standard oil and fuel filters
- 12V electric start (optional 24V)
- anticlockwise rotation, looking on the flywheel
- SAE 10" and 11.5" flywheel
- SAE 3 flywheel housing
- radiator with fan guard
- cast-iron crankcase
- self-vent fuel system
- inline fuel injection pump
- flywheel with ring gear
- air cleaner
- water temperature sender
- oil-pressure sender
- spin-on lubricating-oil filter
- fuel filter/agglomerator
- inlet and exhaust manifolds
- operators' handbook



Technical Data		
Model	GWT6-2A - 22	
Number of cylinders	6	
Firing order (number 1 cylinder is at gear end)	1 5 3 6 4 2	
Type of fuel injection	Direct Injection	
Aspiration	Turbocharged	
Direction of rotation, looking on flywheel	Anticlockwise	
Cylinder bore	mm	100
	in	3.94
Stroke	mm	127
	in	5
Total cylinder capacity	litre	5.99
	in <sup>3</sup>	365.2
Compression ratio	17.5:1	
Rated maximum full-load speed	(r/min)	2200
Mean piston speed	m/sec	9.3
	f/sec	30.5
Oil consumption	maximum 0.2% of fuel consumption	

**GAMMA Series: GWT6-2A Variable Speed Engine Technical Data Sheet**

Dimensions and Weight		
Length (A)	mm	1600
	in	63
Height (B)	mm	1108
	in	43.6
Width (C)	mm	708
	in	27.9
Dry Weight	kg	710
	lb	1565



A comprehensive range of options allows you to select a specification that matches your requirements. Please ask your Lister Petter distributor. (See panel below left.)

**Distributor's Address**

Lister Petter have made efforts to ensure that the information in this data sheet is accurate but reserve the right to amend specifications and information without notice and without obligation or liability.

Power Outputs to ISO3046					
		r/min	1500	1800	2200
Variable Speed	Fuel Stop Power	kW	84	95	100
		bhp	112.6	127.3	134

Torque to ISO3046					
		r/min	1500	1800	2200
Variable Speed	Fuel Stop Torque	Nm	532	501	432
		lbf ft	394	371	320

Fuel Consumption					
Variable Speed	r/min	1500	1800	2200	
		litre/hr	24	28	31

**1. Variable speed: fuel-stop power, continuous power (IFN)**

The maximum power in kW which an engine is capable of delivering continuously at stated crankshaft speed, with the fuel limited so that the fuel stop power cannot be exceeded.

The output ratings apply only to fully run - in engines without radiator, fan or other power absorbing accessories.



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