



GAMMA Series

GWTA6 Variable Speed Engine

GWTA6 - 22

Power range: 110 - 124 kW; 147 - 166 bhp
Variable speed: 1500 - 2200 r/min

Turbocharged/Intercooled heavy-duty variable speed diesel engine

Special Attributes

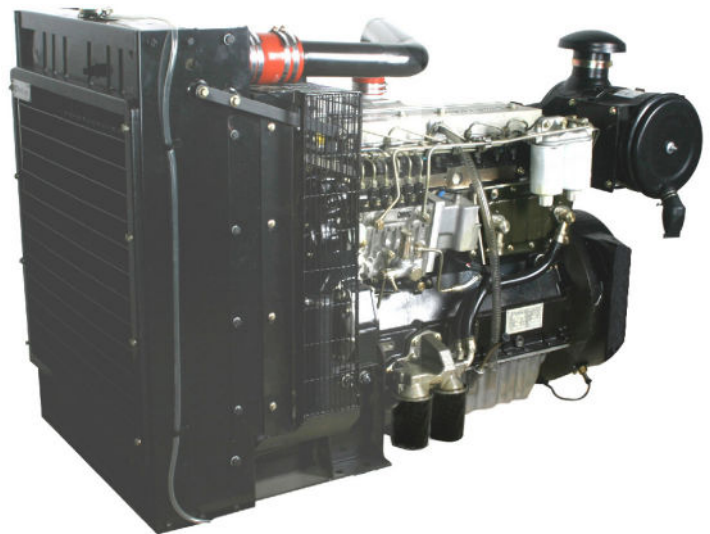
- ✓ 400-hour service intervals
- ✓ continuous operation in ambient temperatures up to 50°C (122°F)
- ✓ cold-start down to -10°C (14°F)

Basic Engine Characteristics

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

Design Features and Equipment

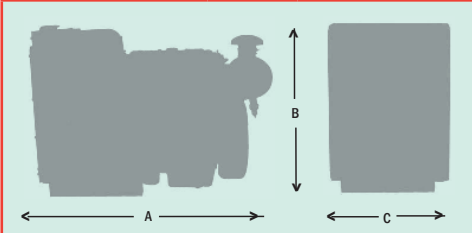
- standard oil and fuel filters
- 12V electric start (optional 24V)
- anticlockwise rotation, looking on flywheel
- SAE 10" and 11.5" flywheel
- SAE3 flywheel housing
- radiator with fan guard
- cast-iron crankcase
- self-vent fuel system
- inline fuel injection pump
- electronic governing
- flywheel 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		GWTA6 - 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 and Intercooled
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 ³	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: GWTA6 Variable Speed Engine Technical Data Sheet

Dimensions and Weight		
Length (A)	mm	1650
	in	65.0
Height (B)	mm	1064
	in	41.9
Width (C)	mm	800
	in	31.5
Dry Weight	kg	730
	lb	1609



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	110	118	124
		bhp	147.4	158	166

Torque to ISO3046					
		r/min	1500	1800	2200
Variable Speed	Fuel Stop Torque	Nm	696	622	535
		lbf ft	516	461	396

Fuel Consumption					
		r/min	1500	1800	2200
Variable Speed		litre/hr	31	35	38.1

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.



UK

Lister Petter Limited, Dursley, Gloucestershire
GL11 4HS England

Tel: +44 (0)1453 544141; fax: +44 (0)1453 546732

E-mail: sales@lister-petter.co.uk <http://www.lister-petter.co.uk>