



GAMMA SERIES

GWT6-2A-22 Variable Speed Engines

variable speed
1500 - 2200 r/min

75-92 kW | 100.5-123 bhp

GWT6-2A Engine



SPECIAL ATTRIBUTES

- 250-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
- liquid cooled
- turbocharged

DESIGN FEATURES AND EQUIPMENT

- standard oil and fuel filters
- 12V electric start (optional 24V)
- anti clockwise 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

POWER OUTPUTS TO ISO 3046

	r/min	1500	1800	2200
Fuel Stop Power	kW	75	87	92
	bhp	100.5	116.6	123.3

APPROXIMATE FUEL CONSUMPTION

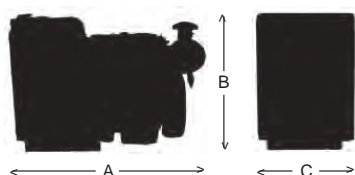
r/min	1500	1800	2200
litre/hr at 100% power (continuous power)	19.5	23.1	25.1

TORQUE TO ISO 3046

	r/min	1500	1800	2200
Fuel Stop Torque	Nm	475	460	397
	lbf ft	351	340	293

TECHNICAL DATA

Model	GWT6-2A - 22		
Number of cylinders	6		
Firing order (number 1 cylinder is at the gear end)	1 - 5 - 3 - 6 - 4 - 2		
Type of fuel injection	Direct		
Aspiration	Turbocharged		
Direction of rotation, looking on flywheel	Anti clockwise		
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		

APPROXIMATE DIMENSIONS AND WEIGHT

Length (A)	mm	1540
	in	60.6
Width (B)	mm	1108
	in	43.6
Height (C)	mm	716
	in	28.2
Dry weight	kg	740
	lb	1630

RATING DEFINITIONS TO ISO 3046**ISO Standard Conditions**

Barometric pressure 100 kPa
Relative humidity 30%
Ambient air temperature at the inlet manifold 25°C

1. Variable Speed (Fuel Stop): 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.

Derating

For non-standard site conditions, reference should be made to relevant BS, ISO & DIN standards.

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

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