

# GWT6-2A VARIABLE SPEED ENGINE

## GWT6-2A - 22

Power range: 75 - 92 kW; 100.5 - 123 bhp  
Variable speed: 1500 - 2200 r/min

### TURBOCHARGED HEAVY DUTY VARIABLE SPEED DIESEL 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



**GWT6-2A VARIABLE SPEED ENGINE**

#### POWER OUTPUTS TO ISO 3046

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

#### RATING DEFINITIONS TO ISO 3046

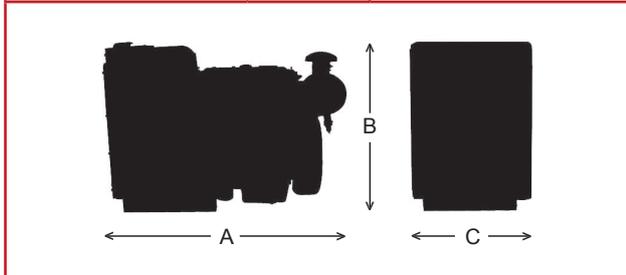
##### 1. Variable speed: fuel stop power, continuous power (IFN)

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.

<b>TORQUE TO ISO 3046</b>					
		r/min	1500	1800	2200
Variable Speed	Fuel Stop Torque	Nm	475	460	397
		lbf ft	351	340	293

<b>APPROXIMATE DIMENSIONS AND WEIGHT</b>		
Length (A)	mm	1540
	in	60.6
Height (B)	mm	1108
	in	43.6
Width (C)	mm	716
	in	28.2
Dry Weight	kg	740
	lb	1630



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

<b>TECHNICAL DATA</b>		
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	
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 <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	

<b>FUEL CONSUMPTION</b>				
Variable Speed	r/min	1500	1800	2200
	litre/hr	19.5	23.1	25.1

**UK**

LISTER PETTER LIMITED  
 Long Street, Dursley, Gloucestershire, GL11 4HS, England  
 TEL: +44 (0)1453 544141; FAX: +44 (0)1453 546732  
 E-mail: sales@lister-petter.co.uk  
 www.lister-petter.co.uk

**UAE**

LISTER PETTER FZE  
 Dubai Silicon Oasis Headquarters,  
 PO Box 341077, Dubai, UAE  
 TEL: +971 4 372 4331; FAX: +971 4 372 4318  
 E-mail: sales@listerpettergroup.com  
 www.lister-petter.co.uk

**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.*