

GWTA6 VARIABLE SPEED ENGINE

GWTA6 - 22

Power range: 102 - 122 kW; 138 - 164 bhp
Variable speed: 1500 - 2200 r/min

TURBOCHARGED / INTERCOOLED HEAVY DUTY VARIABLE SPEED DIESEL ENGINE

SPECIAL ATTRIBUTES

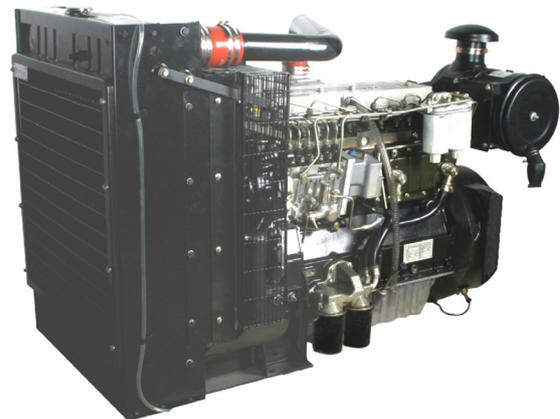
- 250-hour service intervals
- continuous operation in ambient temperatures up to 50°C (122°F)
- cold start down to -10°C (14°F)

BASIC ENGINE CHARACTERISTICS

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

DESIGN FEATURES AND EQUIPMENT

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



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POWER OUTPUTS TO ISO 3046

		r/min	1500	1800	2200
Variable Speed	Fuel Stop Power	kW	102	114	122
		bhp	137	153	164

RATING DEFINITIONS TO ISO 3046

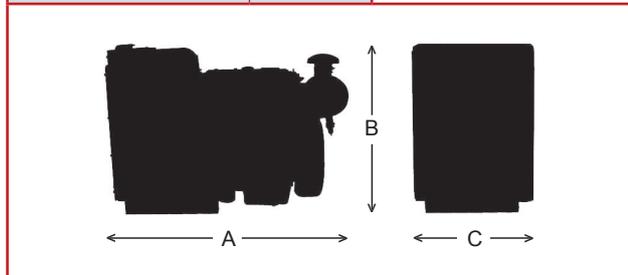
1. Variable speed: fuel stop power, continuous power (IFN)

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.

TORQUE TO ISO 3046					
		r/min	1500	1800	2200
Variable Speed	Fuel Stop Torque	Nm	645	601	526
		lbf ft	478	445	390

APPROXIMATE DIMENSIONS AND WEIGHT		
Length (A)	mm	1610
	in	63.4
Height (B)	mm	1064
	in	41.9
Width (C)	mm	800
	in	31.5
Dry Weight	kg	760
	lb	1674



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).

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	
Aspiration	Turbocharged and Intercooled	
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	

FUEL CONSUMPTION				
Variable Speed	r/min	1500	1800	2200
	litre/hr	26.1	29.2	31.9

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DISTRIBUTOR'S ADDRESS

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