



GAMMA Series

GWTA6 G-Build Engine

GWTA6 15, GWTA6 18

Power range: 121–147 kW; 162–197 bhp
Fixed speed; full-load speed ranges: 1500 and 1800 r/min

Turbocharged heavy-duty G-Build diesel engine

Special Attributes

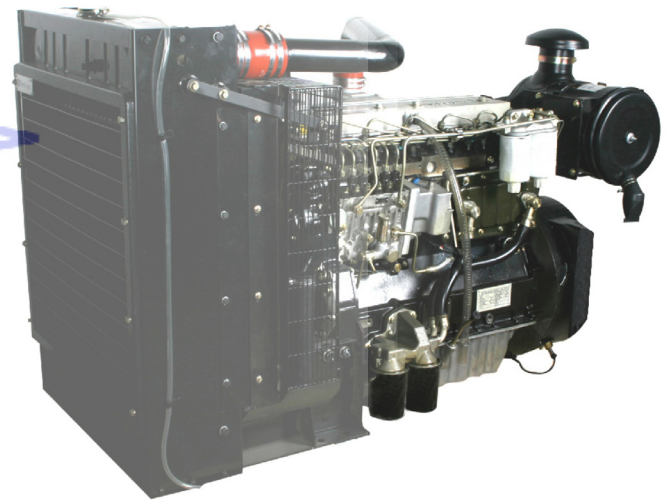
- ✓ suitable for generating sets
- ✓ 400-hour service intervals
- ✓ continuous operation in ambient temperatures up to 52°C (122°F)
- ✓ cold-start down to -10°C (14°F)

Basic Engine Characteristics

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

Design Features and Equipment

- cast-iron crankcase
- self-vent fuel system
- inline fuel injection pump
- electronic governing
- flywheel with ring gear
- air cleaner
- low oil-pressure switch
- spin-on lubricating-oil filter
- fuel filter/agglomerator
- inlet and exhaust manifolds
- operators' handbook



Technical Data			
		GWTA6 15	GWTA6 18
Number of cylinders		6	
Firing order (number 1 cylinder is at flywheel 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	1500	1800
	m/sec	6.35	7.62
Mean piston speed	f/sec	20.8	25.0
Oil consumption		maximum 0.2% of fuel consumption	

