



SIGMA Series G-Build Engine

SW 25

Power range: 25 kW; 33.5 bhp
Fixed speed: 1500 r/min

Naturally aspirated heavy-duty G-Build diesel engine

Special Attributes

- suitable for generating sets
- 250-hour service intervals
- continuous operation in ambient temperatures up to 50°C (122°F)
- unaided cold-start down to -2°C (28.4°F)

Basic Engine Characteristics

- three cylinders
- diesel fuelled
- direct injection
- liquid cooled
- naturally aspirated

Design Features and Equipment

- standard oil and fuel filters
- 12 V electric start
- anticlockwise rotation, looking on flywheel
- SAE 10" 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
- low oil-pressure switch
- spin-on lubricating-oil filter
- primary/secondary fuel filter
- inlet and exhaust manifolds
- operators' handbook
- instrumentation package



Technical Data		
Number of cylinders		3
Firing order (number 1 cylinder is at gear end)		1 3 2
Fuel injection		Direct injection
Aspiration		Natural
Direction of rotation, looking on flywheel		Anticlockwise
Nominal cylinder bore	mm	105
	in	4.13
Stroke	mm	110
	in	4.33
Total cylinder capacity	litre	2.86
	in ³	174.3
Compression ratio		19:1
Rated maximum full-load speed	r/min	1500
Mean piston speed	m/sec	5.5
	f/sec	18.0
Oil consumption		Maximum 0.3% of fuel consumption

