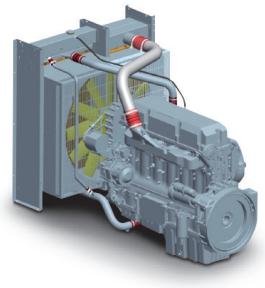
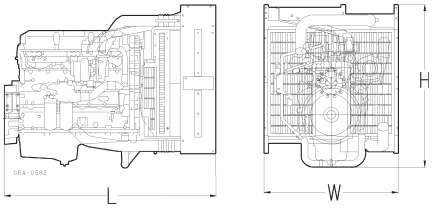
PowerGen

SERIES 60 PLUS, 12.7 L

for stationary industrial applications with EPA Tier 2 / EU Stage II certification





Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
S60	2010x1270x1655 (79x50x65)	1576 (3475)

All dimensions are approximate, for complete information refer to the installation drawing.

Engine		
Bore/stroke	mm (in)	130/160 (5.1/6.3)
Cylinder configuration		6 cyl./In-line
Displacement/cylinder	l (cu in)	2.12 (129)
Displacement, total	l (cu in)	12.7 (775)
Fuel specification		EN 590, Grade No.1-D/2-D

Optional equipment and finishing shown. Standard may vary.

		Rated power ICFN kW	bhp	rpm	Peak torque Nm	lb-ft	rpm
Optimization		3, 5					
Application		Heavy duty operation (4A)					
S60	6063MK33/7368	242	325	2100	1559	1150	1350
	6063MK33/7367	261	350	2100	1831	1350	1350
	6063MK33/7366	280	375	2100	1831	1350	1350
	6063MK33/7365	298	400	2100	1898	1400	1350
Optimization		3, 5					
Application		Medium duty operation (4B)					
S60	6063MK33/7364	317	425	2100	2000	1475	1350
	6063MK33/7363	336	450	2100	2102	1550	1350
	6063MK33/7362	354	475	2100	2102	1550	1350

Optimization: 3 Exhaust emission EPA 40 CFR 89/Tier 2
5 Exhaust emission EU 97/68 EU/Stage II

A Rolls-Royce solution

		Rated power ICFN			Peak torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		3, 5					
Application		Short-time operation (4C)					
S60	6063MK33/7361	373	500	2100	2102	1530	1350

Optimization: 3 Exhaust emission EPA 40 CFR 89/Tier 2
5 Exhaust emission EU 97/68 EU/Stage II

Application	Power definition	
4A	Continuous operation with 100% load	Load factor: ≥ 60 %, Operating hours: unrestricted, Overload: Fuel stop (ICFN)
4B	Continuous operation w/ variable load	Load factor: < 60%, Operating hours: unrestricted, Overload: Fuel stop (ICFN)
4C	Continuous operation with variable load	Load factor: < 75%, Operating hours: max. 1000 /yr, Overload: Fuel stop (ICFN)

Power output within 5% tolerance at standard conditions. Power definition according to ISO 3046 (ratings also correspond to SAE J 1995 and SAE J 1349 standard conditions)

Standard equipment	
Starting system	Electric starter 24 V, Belt driven 28 VDC/70 A alternator
Fuel system	Fuel main filter and pre-filter, Electronic unit injection system
Lube oil system	Lube oil filter
Combustion air system	Dry-type air filter for heavy duty use with pre-separator, Contamination indicator, Rain cap and mounting parts
Exhaust gas system	Turbocharger outlet connection and mounting parts
Cooling system	Radiator-cooler with mechanically driven fan for engines with air charge air cooling, with connecting parts for engine coolant circuit designed for 100% engine power, cooling air pressure loss 200 Pa, 40°C/104°F ambient air temp.
Flywheel/housing	Cast iron flywheel housing SAE 1
Electronics and instrumentation	Integrated electronic engine control and monitoring system DDEC lube oil filter
Certification	EPA, EU and MSHA

Optional equipment	
Flywheel/housing	Flexplates for Allison transmission
Engine mounting	Set of engine mounting brackets for resilient mounting, Resilient engine mounts (Rubber Elements)
Electronics and instrumentation	Monitoring displays and control panel

Reference conditions:
> Intake-air temperature: 25°C (77°F)
> Ambient air pressure: 1000 mbar (14.5 psi)
> Altitude above sea level: 100 m (328 ft)

Subject to change without notice. Customization possible.
Engines illustrated in this document may feature options not fitted as standard.

Subject to change. | 3232361 | Edition 01/19 | ESM 2019-08.