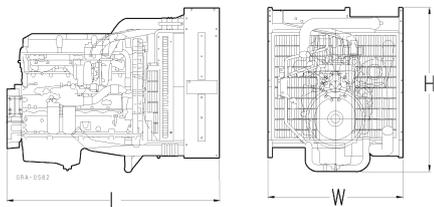
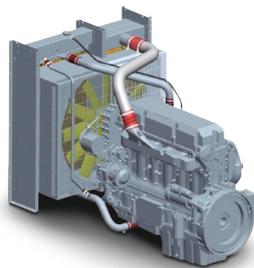




Oil & Gas

# SERIES 60 PLUS

for PowerGen applications



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12.7 l	2010x1270x1655 (79x50x65)	1433 (3160)
14.0 l	2010x1085x1655 (79x43x65)	1442 (3180)

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

Engine		
Bore/stroke	mm (in)	12.7: 130/160 (5.1/6.3), 14.0: 133/168 (5.2/6.6)
Cylinder configuration		6 cyl./In-line
Displacement/cylinder	l (cu in)	12.7 lit.: 2.12 (129), 14.0 lit.: 2.33 (142)
Displacement, total	l (cu in)	12.7 (775), 14.0 (854)
Fuel specification		EN 590, Grade No.1-D/2-D (ASTM D975-00)

Optional equipment and finishing shown. Standard may vary.

		Prime power 3B	Standby power 3D
Optimization		☐	☐
Application		Rated power kW (bhp) at 1500 rpm (50 Hz)	
S60 (12.7 l)	6063MK35-390	265 (355)	291 (390)
	6063MK35-430	321 (430)	-
S60 (14 l)	6063HK35-551	358 (480)	411 (551)
	6063HK35-551	411 (551)	-
Optimization		1	
S60 (12.7 l)	6063MK35-365	272 (365)	-
	6063MK35-430	274 (368)	321 (430)/ ☐
S60 (14.0 lit.)	6063HK35-485	362 (485)	-
	6063HK35-610	411 (551)	455 (610)/ ☐

Optimization: 1 Exhaust emission TA-Luft (for standby power)  
☐ Fuel consumption

		Prime power 3B	Standby power 3D
Optimization		3	3
Application		Rated Power kW (bhp) at 1800 rpm (60 Hz)	
S60 (12.7 l)	6063MK35-415	268 (359)	309 (415)
	6063MK35-455	292 (392)	339 (455)
	6063MK35-490	316 (424)	365 (490)
S60 (14 l)	6063HK35-550	-	410 (550)
	6063HK35-635	410 (550)	474 (635)
	6063HK35-685	465 (624)	511 (685)

Optimization: 3 Exhaust emission EPA 40 CFR 89/Tier 2

Application	Power definition	
3B	Continuous operation w/variable load	Load factor: < 75%, operating hours: unrestricted, overload: 10% capability (ICXN)
3D	Standby operation w/variable load	Load factor: < 85%, operating hours: max. 500 /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) Consult your distributor/dealer for the rating that will apply to your specific application.

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 with contamination indicator 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

Optional equipment	
Combustion air system	Dry-type air filter for heavy duty use with pre-separator, contamination indicator, rain cap and mounting parts
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)
- > Rated power available up to 40°C (104° F) and 400 m

Subject to change without notice. Customization possible.

Engines illustrated in this document may feature options not fitted as standard.