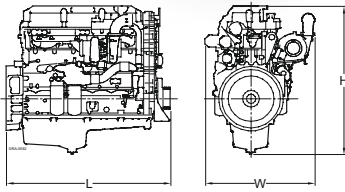
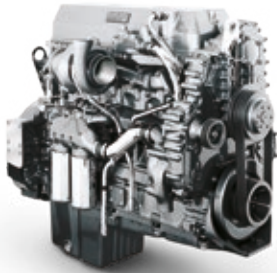




Industrial

# SERIES 60 - 14.0 L

for C&I, Mining applications EPA Tier 3 compliant/EU Stage IIIA compliant



Optional equipment and finishing shown. Standard may vary.

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
S60	1455x925x1380 (57x36x54)	1215 (2679)

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

Engine		
Bore/stroke	mm (in)	133/168 (5.2/6.6)
Cylinder configuration		6 cyl./In-line
Displacement	l (cu in)	2.33 (142)
Displacement, total	l (cu in)	14.0 (854)
Fuel specification		EN 590; Grade No. 1-D/2-D

		Rated power ICFN			Peak torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		20, 23					
Application		Heavy duty operation (5A)					
S60	6063HV33-325	242	325	2100	1559	1150	1350
	6063HV33-375	280	375	2100	1831	1350	1350
	6063HV33-400	298	400	2100	1898	1444	1350
	6063HV33-425	317	425	2100	2000	1475	1350
	6063HV33-450	336	450	2100	2102	1550	1350

Optimization: 20 EPA Nonroad T3 Comp (40CFR89)  
 23 EU Nonroad St IIIA Comp (97/68/EC)

		Rated power ICFN			Peak torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		20, 23, 31*					
Application		Medium duty operation (5B)					
S60	6063HV33-475	354	475	2100	2102	1550	1350
	6063HV33-500	373	500	2100	2102	1530	1350
	6063HV33-525	391	525	2100	2373	1750	1350
	6063HV33-533	397	533	2000	2373	1750	1350
	6063HV33-550	410	550	2100	2373	1750	1350
Application		Short-time operation (5C)					
	6063HV45-600	447	600	2300	2576	1900	1350
	6063HV33-600	447	600	2100	2576	1900	1350
	6063HV33-630	470	630	2100	2576	1900	1350
	6063HV33-665	496	665	2300	2576	1900	1350
	6063HV45-665	496	665	2300	2576	1900	1350

Optimization: 20 EPA Nonroad T3 Comp (40CFR89)  
23 EU Nonroad St IIIA Comp (97/68/EC)

31\* China NRMM Stage III (GB20981-2014) upon request

Application	Power definition	
5A	Continuous operation w/100% load	Load factor: $\geq 60\%$ , operating hours: unrestricted, overload: fuel stop (ICFN)
5B	Continuous operation w/variable load	Load factor: $< 60\%$ , operating hours: unrestricted, overload: fuel stop (ICFN)
5C	Short-time operation w/variable load	Load factor: $< 75\%$ , operating hours: max. 1000 p/y, 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 12-24 V, alternator 28 VDC/70 amp, belt driven
Fuel oil system	Fuel main filter and pre-filter, electronic unit injection system
Lube oil system	Lube oil filter
Combustion air system	Set of dry-type airfilter with contamination indicator
Exhaust gas system	Turbocharger outlet connection and mounting parts
Coolant 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
Engine mounting	Resilient

Optional equipment	
Fuel oil system	Electrical preheating unit
Flywheel/housing	Flexplate for Allison transmission
Accessory drives	One accessory drive for front or rear mounts
Certification	EPA, EU and MSHA/Canmet nonroad certification