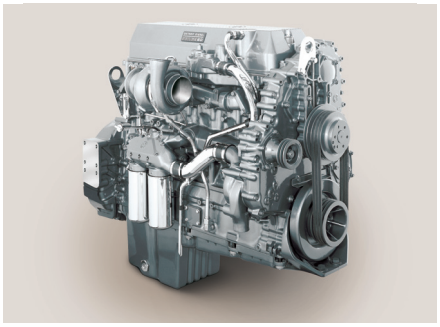
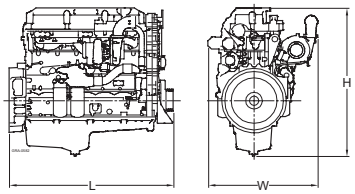
Industrial

Series 60 - 14.0 l

for C & I and Mining Application
EPA Tier 2 compliant / EU Stage II compliant





Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
S60	1455x925x1380 (57x36x54)	1215 (2680)

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

Engine Model		
Bore/stroke	mm (in)	130/160 (5.1/6.3)
Cylinder configuration		6 cyl./In-line
Displacement/cylinder	l (cu in)	2.33 (142)
Displacement, total	l (cu in)	14.0 (854)
Description		Exhaust turbocharging, Charge-air cooling, High-pressure injection system with solenoid-controlled unit injection pumps, Electronic engine management

Engine type	Reference No.	Rated Power ICFN			Peak Torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Application		**Heavy duty operation (5A)**					
S60	**6063HK33-7490**	**336**	**450**	2100	2237	1650	1350
Application		**Medium duty operation (5B)**					
S60	**6063HK33-7491**	**391**	**525**	2100	2373	1750	1350
	6063HK33-7492	**397**	**533**	2000	2373	1750	1350
	6063HK33-7493	**410**	**550**	2100	2373	1750	1350
	6063HK33-7495	**410**	**550**	2300	2373	1750	1350
	6063HK33-7496	**429**	**575**	2100	2373	1750	1350

EPA: Exhaust emission EPA 40 CFR 89/Tier 2 compliant
EU: Exhaust emission EU 97/68 EC/Stage II compliant

Power. Passion. Partnership.

Engine type	Reference No.	Rated Power IFN			Peak Torque		
	Model-06N04M	kW	bhp	rpm	Nm	lb-ft	rpm
Application		**Short-time duty operation (5C)**					
S60	**6063HK45-7830**	**447**	**600**	2100	2576	1900	1350
	6063HK33-7829	**447**	**600**	2100	2576	1900	1350
	6063HK33-7831	**470**	**630**	2100	2576	1900	1350
	6063HK33-7832	**496**	**665**	2300	2576	1900	1350
	6063HK45-7832	**496**	**665**	2300	2576	1900	1350

EPA: Exhaust emission EPA 40 CFR 89/Tier 2 compliant
EU: Exhaust emission EU 97/68 EC/Stage II compliant

Application	Power definition	
5A	Continuous operation w/100% load	Load factor: ≥ 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 MTU distributor/dealer for the rating that will apply to your specific application.

Standard Equipment	
Starting System	Electric starter 12 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 clamp
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	
Starting System	Electric starter 24 V
Fuel Oil System	Electrical preheating unit
Flywheel/Housing	Flexplate for Allison transmission
Accessory Drives	One accessorie drive for front or rear mounts
Certification	EPA, EU and MSHA/Canmet nonroad certification

Reference conditions:
> Intake-air temperature: 25°C (77°F) > Ambient air pressure: 1000 mbar > 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 to standard engine.

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Subject to change. | 3232071 | 2/11 | VMC 2011-11.