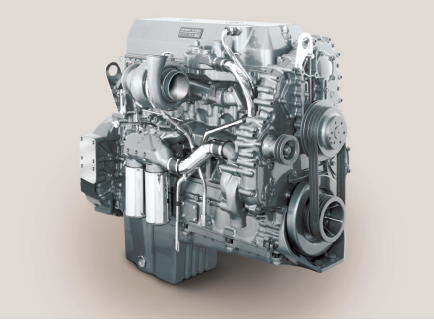
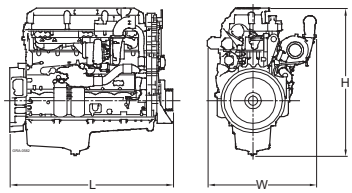
Oil & Gas

Series 60 - 14.0 l

for PowerGen Applications





Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
14.0 l	1455x1000x1280 (57x39x50)	1220 (2690)

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

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

Application	Power Definition	
3A	Continuous operation w/100% load	Load factor: ≤ 100 %, Operating hours: unrestricted, Overload: 10% capability (ICXN)
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 power (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.

Engine Type	Reference No. Model-06N04M	Continuous Power 3A	Prime Power 3B	Standby Power 3D
Optimization		☒	☒	☒
Application		**Rated Power kW (bhp) at 1500 rpm (50 Hz)**		
S60 (14.0 l)	6063HK35-7058	280 (375)	358 (480)	411 (511)
	6063HK35-7835	298 (400) ①	411 (511) ①	-
	6063HK35-7834	-	362 (485) ①	-
	6063HK35-8070	-	411 (511)	455 (610)

Optimization: ① Exhaust emission TA-Luft, Edition 1986 ☒ Fuel consumption

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Engine Type	Reference No. Model-06N04M	Continuous Power 3A	Prime Power 3B	Standby Power 3D
Optimization		③	③	③
Application		**Rated Power kW (bhp) at 1800 rpm (60 Hz)**		
S60 (14.0 l)	6063HK35-7497	280 (375)	356 (477)	410 (550)
	6063HK35-7833	354 (475)	410 (550)	-
	6063HK35-8069	-	465 (624)	511 (685)
	6063HK35-8154	-	-	474 (635)
Optimization		⑦	⑦	⑦
S60 (14.0 l)	6063HV35-8142	268 (359)	-	309 (414)
	6063HV35-8143	292 (392)	-	339 (455)
	6063HV35-8144	316 (424)	-	365 (489)
	6063HV35-8145	354 (475)	-	410 (550)
	6063HV35-8146	354 (475)	410 (550)	474 (635)
	6063HV35-8147	354 (475)	465 (624)	511 (685)

Optimization: ③ Exhaust emission EPA 40 CFR 89/Tier 2 ⑦ Exhaust emission EPA 40 CFR 89/Tier 3

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	Air-to-air charge air cooling
Exhaust Gas System	Turbocharger outlet connection and mounting parts
Coolant System	Fan pulley and mounting support brackets
Flywheel/Housing	Cast iron flywheel housing SAE 1
Electronics and Instrumentation	Integrated electronic engine control and monitoring system DDEC

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	Mounting brackets, Resilient engine mounts (Rubber Elements)
Electronics and Instrumentation	Monitoring displays and control panels

Reference conditions:
> Intake-air temperature: 25°C (77°F)
> Altitude above sea level: 100 m (328 ft)
> Ambient air pressure: 1000 mbar (14.5 psi)
> Rated power available up to 40°C (104°F) and 400 m (1312 ft)

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

Subject to change. | 3232421 | Edition 01/14 | VMC 2014-01.

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