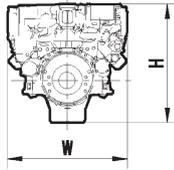
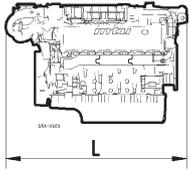




Oil & Gas

DIESEL ENGINE 12V 1600

for oil and gas applications
with EPA tier 4 certification



Optional equipment and finishing shown. Standard may vary.

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
12V 1600 C	1873 x 1258 x 1200 (73.7 x 49.5 x 47.2)	2200 (4850) ¹⁾

All dimensions are approximate, for complete information refer to the installation drawing.
1) DIN 70020

Engine		
Bore/stroke	mm (in)	122/150 (4.8/5.9)
Cylinder configuration		12 V
Displacement,	l (cu in)	1.75 (107)
Displacement, total	l (cu in)	21.0 (1282)
Fuel specification		DIN EN 590, ASTM D975 (DF1, DF2)

Engine type	Rated power			Peak torque			Fuel consumption at rated power	Fuel consumption at peak torque
	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh	g/kWh
12V 1600 C50	636	822	1900	3600	2655	1600	203	195
12V 1600 C60	680	912	2100	4000	2950	1300	203	195
12V 1600 C70	736	987	1900	4200	3098	1600	203	195

Exhaust emission: - US EPA Nonroad Tier 4 final (40 CFR 1039)
- EU Nonroad Stage IV
- Emission optimized without certificate

Also available for non regulated markets. For information please contact your MTU distributor.

Application	Power definition	
4B	Continuous operation – variable load	Load factor: < 60%, Operating hours: unrestricted, 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	Optional Equipment
Common rail injection system	24 Volt alternator, 55 - 200 A
Electronic engine management	Exhaust brake system
Two stage turbo charging with low temperature charge air cooling circuits	Fuel prefilter
2nd coolant water pump for low temperature charge air cooling circuit	PTO drives for hydrostatic pumps (SAE A and SAE B)
High pressure EGR system with high temperature cooling circuit	AC compressor
Engine mounted charge air and EGR coolers	Air pressure starter
24 Volt starter	Coupling for main PTO
28 Volt alternator, 80 A	Resilient engine mountings
SAE 1 flywheel housing	Air compressor
Mounting brackets	Elevated fan drive
Close crankcase ventilation	Cooling fan

Reference conditions:

- > Intake temperature: 25°C (77°F)
- > Charge air temperature at 50°C coolant temp.: 45°C
- > 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.