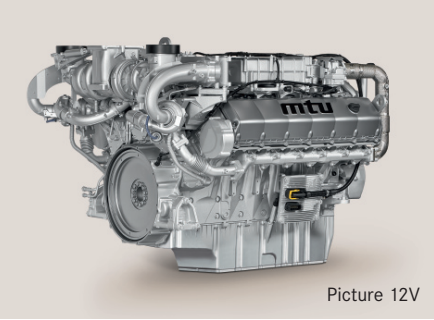
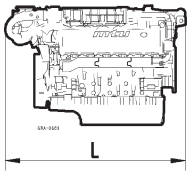
Industrial

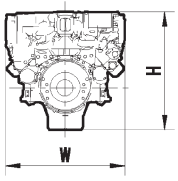
Diesel Engine 10V 1600

for C & I, Mining, Agriculture and Forestry Applications with EPA Tier 4 Certification



Picture 12V





Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
10V 1600 C	1700x1200x1200 (66.9x47.2x47.2)	1940 (4277) [1]

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

Engine Model		
Bore/stroke	mm (in)	122/150 (4.8/5.9)
Cylinder configuration		10 V
Displacement	l (cu in)	1.75 (107)
Displacement, total	l (cu in)	17.5 (1077)
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
Model	kW	bhp	rpm	Nm	lb-ft	rpm	g/kWh	g/kWh
10V 1600 C60	**567**	**760**	1900/2100	3340	2460	1300	206	198
10V 1600 C70	**610**	**817**	1900/2100	3500	2580	1600	206	198

Emissions: EPA 40 CFR 89 / Tier 4 final

Power. Passion. Partnership.

Standard Equipment
Common rail injection system
Electronic engine management
Two stage turbo charging with low temperature charge air cooling circuits
2nd coolant water pump for low temperature charge air cooling circuit
High pressure EGR system with high temperature cooling circuit
Engine mounted charge air and EGR coolers
24 Volt starter
28 Volt alternator, 80 A
SAE 1 flywheel housing
Mounting brackets
Close crankcase ventilation

Optional Equipment
24 Volt alternator, 55 - 200 A
Exhaust brake system
Fuel prefilter
PTO drives for hydrostatic pumps (SAE A and SAE B)
AC compressor
Coupling for main PTO
Resilient engine mountings
Air compressor
Elevated fan drive
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.

Subject to change. | 3235121 | 2/11 | VMC 2011-11.

Europe I **Middle East** I **Africa,** MTU Friedrichshafen GmbH, 88040 Friedrichshafen, Germany, T +49 7541 90 2998, F +49 7541 90 2724, industrial1@mtu-online.com, www.mtu-online.com I **Asia** I **Australia** I **Pacific,** Tognum Asia Pte. Ltd., 1 Benoi Place, Singapore 629923, Republic of Singapore, T +65 6861 5922, F +65 6861 3615, industrial2@mtu-online.com, www.mtu-online.com I **USA** I **Canada** I **Mexico** I **Latin America,** Tognum America Inc., 13400 Outer Drive West, Detroit, Michigan 48239, USA, T +1 313 592 7806, F +1 313 592 5137, industrial3@mtu-online.com, www.mtu-online.com