

Industrial

PowerDriveUnit

for Industrial, Mining and Agricultural Application
Based on the Series 60



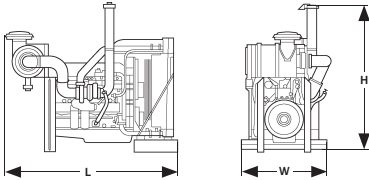
Dimensions and Masses

Engine	Dimensions LxWxH mm (in)	Mass, dry kg (lbs)
12.7 l	2500x1320x2110 (98x52x83)	1750 kg (3850)
14.0 l	2500x1320x2110 (98x52x83)	1840 kg (4050)

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

Engine Model

Bore/stroke	mm (in)	12.7: 130/160 (5.1/6.3), 14.0: 133/168 (5.2/6.6)
Cylinder configuration		6 cyl./In-line
Displacement/cylinder	l (cu in)	12.7: 2.12 (129), 14.0: 2.33 (142)
Displacement, total	l (cu in)	12.7 (775), 14.0 (854)
Fuel specification		EN 590, Grade No.1-D/2-D (ASTM D 975-00)



Engine type	Reference No.	Rated Power IFN			Peak Torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		③ ⑤					
Application		Heavy duty operation (5A)					
PDU300C	6064MK33-300	224	300	2100	1424	1050	1350
PDU325C	6064MK33-325	242	325	2100	1559	1150	1350
PDU350C	6064MK33-350	261	350	2100	1831	1350	1350
PDU375C	6064MK33-375	280	375	2100	1831	1350	1350
PDU400C	6064MK33-400	298	400	2100	1896	1400	1350
PDU450C	6064HK33-450	336	450	2100	2235	1650	1350

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

⑤ Exhaust emission EU 97/68 EC/Stage II compliant



Power. Passion. Partnership.

Engine type	Reference No.	Rated Power IFN			Peak Torque		
		kW	bhp	rpm	Nm	lb-ft	rpm
Optimization		③ ⑤					
Application		Medium duty operation (5B)					
PDU425C	6064MK33-425	317	425	2100	2000	1475	1350
PDU450C	6064MK33-450	336	450	2100	2102	1550	1350
PDU475C	6064MK33-475	354	475	2100	2102	1550	1350
PDU525C	6064HK33-525	391	525	2100	2375	1750	1350
PDU550C	6064HK33-550	410	550	2100	2375	1750	1350
PDU575C	6064HK33-575	429	575	2100	2375	1750	1350
Application		Short-time operation (5C)					
PDU500C	6064MK33-500	373	500	2100	2102	1550	1350
PDU600C	6064MK33-600	447	600	2100	2575	1900	1350
PDU630C	6064HK33-630	470	630	2100	2575	1900	1350

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

⑤ 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 (IFN)
5B	Continuous operation w/variable load	Load factor: < 60 %, Operating hours: unrestricted, Overload: Fuel stop (IFN)
5C	Short-time operation w/variable load	Load factor: < 75 %, Operating hours: max. 1000 p/y, Overload: Fuel stop (IFN)

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

Radiator Cooling Package

Pedestal Base Mount

Starter and Alternator

Analog Instrument Panel and Throttle Control

Heavy Duty Air Cleaner

Fan and Belt Guards

Battery Tray and Cables

Suction or Blower Fan

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.

Optional Equipment

Hood and Door Panels

Muffler

PTOs (side load or in-line)

Air Compressors

Fuel Pro® Filter

DDEC® Ether Start System

Tank Type Coolant Heater

Remote Throttle Control

High Ambient Cooling Package

Auxilliary Oil Cooler

Full Skid Base Mount (Short and Long)