

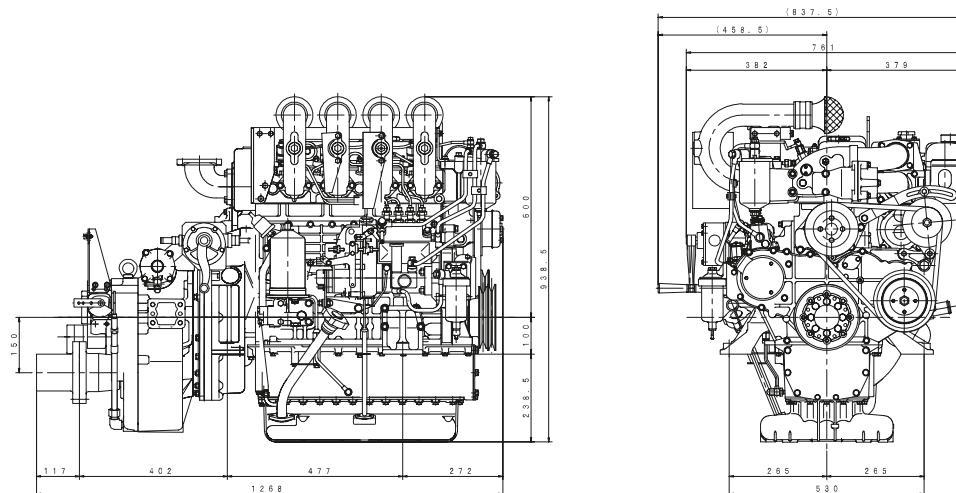
UM4BG12

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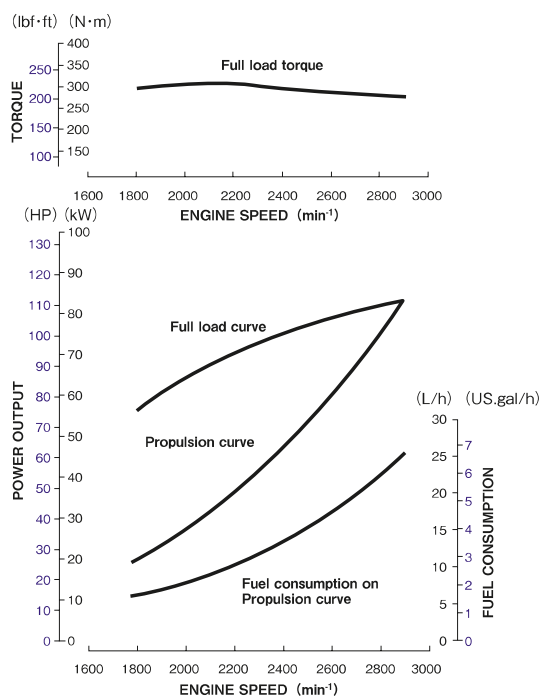
ISUZU MOTORS ENGINE SALES INC.

UM4BG1Z

DIMENSIONS (mm)



PERFORMANCE CURVES



ENGINE SPECIFICATIONS

Configuration	4-cylinder, vertical in-line, 4-cycle deisel engine	
Bore x Stroke	mm (in)	105 x 125 (4.13 x 4.92)
Displacement	Lit. (cid)	4.329 (264)
Rated output	kW(PS)/ min^{-1}	81 (110) / 2900
Application	Medium duty	Commercial use
Governor type		Mechanical
Combustion type		Direct injection
Aspiration		Natural aspiration
Engine weight	kg (lb)	Engine with MGN35A-1 436 (961) 589 (1,298)
Fuel used		Diesel fuel
Starter	V-kW	24 - 4.5
Alternator	V-A	24 - 30
Lubrication method		Full flow pressure circulation
Cooling method		Freshwater, full flow pressure circulation (Seawater, indirect)
Heat exchanger (seawater circulation)		Multi-tube type (freshwater→seawater)
Intercooler		Multi-tube type (seawater circulation)
Rotation direction	Crankshaft Propeller shaft	Right (clockwise) viewed from front of engine Right (clockwise) viewed from stern
Idling speed	min^{-1}	500~550
Marine gear	Marine Gear Model	MGN35A-1
	Clutch type	Wet, Multi-plate hydraulic type
	Reverse type	Constant-mesh type gear
	Reduction ratio	2.56, 3.05, 3.45

Specifications subject to change without notice

ACCESSORIES

Standard

- Installation kit
- Battery relay
- Extension harness (3m)
- Seawater pump impeller *
- Bilge pump
- Control head
- Instrument panel
- Oil drain pump
- Blow-by pipe
- Tool kit
- Owner's manual

* spare parts

Option

- Extension harness (3m)
- Control cable (4m,6m,10m,12m)
- Stop cable (4m,6m,8m)
- Kingston valve

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