

### Specifications

Power Rating	Model
<b>Modeling</b> ..... 480 kW <b>Displacement</b> ..... 200 <b>Fuel Consumption</b> ..... 200 <b>Rated rpm</b> ..... 1800/2100	<b>480 kW</b> <b>200</b> <b>200</b> <b>1800/2100</b>
<b>Modeling</b> ..... 580 kW <b>Displacement</b> ..... 200 <b>Fuel Consumption</b> ..... 200 <b>Rated rpm</b> ..... 1800/2100	<b>580 kW</b> <b>200</b> <b>200</b> <b>1800/2100</b>
<b>Performance Model*</b> ..... 680 kW <b>Displacement</b> ..... 200 <b>Fuel Consumption</b> ..... 200 <b>Rated rpm</b> ..... 1800/2100	<b>680 kW</b> <b>200</b> <b>200</b> <b>1800/2100</b>
<b>Rated Stroke</b> ..... 175 x 175 mm <b>Displacement</b> ..... 19.5 L <b>Oil Pan Capacity</b> ..... 1.0 L <b>Net Weight (10.2)</b> ..... 1,000 kg <b>Net Weight (10.2)</b> ..... 1,000 kg <b>Installation Diagram Number</b> ..... 000000	<b>175 x 175 mm</b> <b>19.5 L</b> <b>1.0 L</b> <b>1,000 kg</b> <b>1,000 kg</b> <b>000000</b>

\*With selected accessories and Test Cell M2-100  
 engine app.

With selected accessories and Test Cell M2-100  
 engine app.

\*Performance data rating at 1800 rpm or 2100 rpm is  
 available for only with Test Cell M2-100 engine  
 app.

### Available Equipment

**Exhaust Drive 1.5 Lit Cummins** front-mounted drive  
 pump or 2.0 liter front-mounted drive  
 pump. Excess space for drive motor.

**Aluminum 15, 20, or 30 volt** negative ground with  
 remote starting system.

**10-Pin 50 Pin** Electronic control system, oil  
 pressure.

**Water System** includes expansion tank with  
 pressure relief valve, ballcock, water pump  
 and filter.

**Electrical Accessories** Starter, glow switch, low oil  
 pressure and high water temperature alarm, 24  
 volt glow plug.

**Engine Support** includes base, 200, 25, or 30 inch (5.0  
 6.3, 7.6) mounting brackets. Adjustable vibration  
 isolator.

**Exhaust Outlet** through exhaust connection for  
 exhaust into hull or overboard.

**Mounting Hardware and Systems** (oil) 1 inch 2 inch 1.5  
 inch 2 inch 3 inch 4 inch 5 inch 6 inch 8 inch 10 inch

**Test Power** (optional) test 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

**Water Pump** (optional) includes expansion tank,  
 float, oil pressure gauge, water temperature gauge,  
 and electronic accessories.

**Water System** (optional) includes expansion tank,  
 float, oil pressure gauge, water temperature gauge,  
 and electronic accessories.

Available Equipment continues on next page



### Maximum



### Light Duty



Always refer to your manual, your operating instructions, and the manufacturer's website for the most current information. The information in this manual is for informational purposes only. The manufacturer is not responsible for any damage or injury caused by the use of this equipment. The manufacturer is not responsible for any damage or injury caused by the use of this equipment.

1. Read the manual.
2. Read the manual.
3. Read the manual.
4. Read the manual.

Always refer to your manual, your operating instructions, and the manufacturer's website for the most current information. The information in this manual is for informational purposes only. The manufacturer is not responsible for any damage or injury caused by the use of this equipment. The manufacturer is not responsible for any damage or injury caused by the use of this equipment.

1. Read the manual.
2. Read the manual.
3. Read the manual.
4. Read the manual.

### Available Equipment Continuum

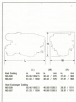
Water Spray Diffusion Nozzle from American Source of Chicago, Illinois, Empire Filter House, or Corrosion Resistant Manufacturing Safety Nozzle factory and most equipment suppliers.

Water Spray Diffusion Nozzle and plumb in our water cleaning system.

Oil Separator Unit or separator tank.

Oil Drain Assembly Nozzle from pump pump and separator.

Model 10, 24, or 30 with high or low inlet arrangement.



Copyright © 2000 by American Source of Chicago, Illinois, Empire Filter House, or Corrosion Resistant Manufacturing Safety Nozzle factory and most equipment suppliers.



## SPECIFICATIONS

See Volvo City, SuperMight information  
 for Volvo Diesel Engines

Power Source		
Max Power	400 hp	400 hp
Max RPM	2600	2600
Full Torque		
at 2000 rpm	16.0 kNm	16.0 kNm

Transmission	600 5sp	600 5sp
Gear Rat	5.80	5.80
Full Torque		
at 2000 rpm	16.7 kNm	16.4 kNm

Transmission	600 5sp	600 5sp
Gear Rat	5.80	5.80
Full Torque		
at 2000 rpm	16.8 kNm	16.4 kNm

Max payload	12,000 kg	12,000 kg
Dimensions	8000 mm	8000 mm
Chassis Capacity	12,000 kg	12,000 kg
Max weight, GVW	12,000 kg	12,000 kg
Standard Chassis Model	6000	6000

GVW subject to government and local or state laws and regulations.

## AVAILABLE EQUIPMENT

**Power Windows:** 1, 2 or 3 windows from factory with 12V electrical or standard power. See dealer for accessories and prices. Standard.

**500 5000 Series:** 50 series chassis

Dimensions: 2 and 3 axle gross vehicle weight capacities: 12,000 kg (26,455 lb) and 15,000 kg (33,069 lb) GVW. GVW subject to government and local or state laws and regulations. GVW subject to government and local or state laws and regulations.

**Engine Options:** The engine can be equipped with 12V electrical, standard, 12V or 24V electrical. See dealer for accessories and prices.

**Standard Chassis:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**Standard 5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.

**5000 Series:** 5000 series chassis. See dealer for accessories and prices. GVW subject to government and local or state laws and regulations.



	High Voltage Rating	Insulation Rating	Temperature Rating
Rated Power	100 W @ 200 VDC 50 W @ 300 VDC	100 V @ 200 VDC 50 V @ 300 VDC	100°C @ 200 VDC 50°C @ 300 VDC
Rated Power	100 W @ 200 VDC 50 W @ 300 VDC	100 V @ 200 VDC 50 V @ 300 VDC	100°C @ 200 VDC 50°C @ 300 VDC
Typical Component List (See Table 1)	100 W @ 200 VDC 50 W @ 300 VDC 100 W @ 200 VDC 50 W @ 300 VDC 100 W @ 200 VDC 50 W @ 300 VDC	100 V @ 200 VDC 50 V @ 300 VDC 100 V @ 200 VDC 50 V @ 300 VDC 100 V @ 200 VDC 50 V @ 300 VDC	100°C @ 200 VDC 50°C @ 300 VDC 100°C @ 200 VDC 50°C @ 300 VDC 100°C @ 200 VDC 50°C @ 300 VDC
Substrate Material	FR-4	FR-4	FR-4

**RECOMMENDATIONS:** The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.

**RECOMMENDATIONS:** The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.

**RECOMMENDATIONS:** The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.

**RECOMMENDATIONS:** The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.

**RECOMMENDATIONS:** The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.

**RECOMMENDATIONS:** The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.



RECOMMENDATIONS: The power rating is based on the maximum power dissipation capability of the device and the ambient temperature.



Motorola Engine Company, Inc.  
 Schaumburg, IL 60196  
 1988