

# 4HV1 Certified Gas

4 cyl. In-line | Natural Aspiration | 279 CI | 12 volt

ISUZU  
DIESEL

ALTERNATIVE  
FUELS

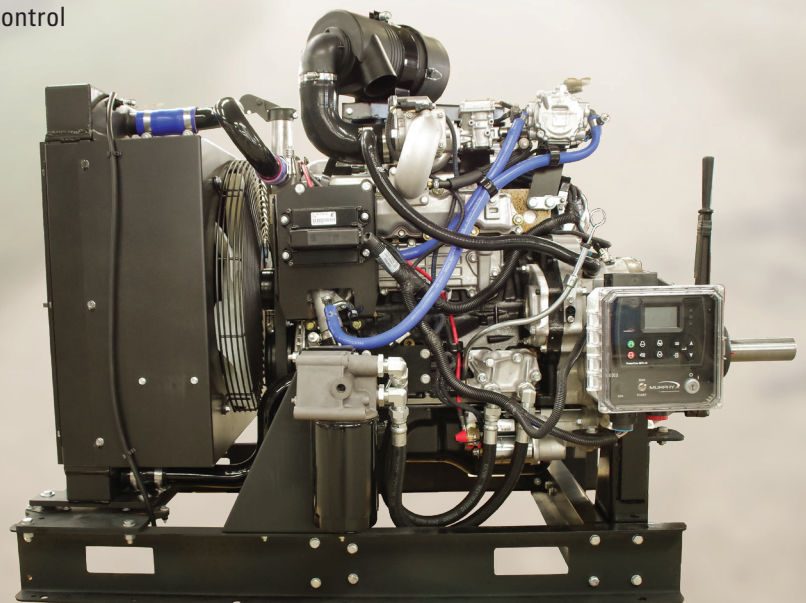
4HV1

## Standard Features

- » US-EPA Certified
- » Engine and Block
  - » Diesel Grade Cast Iron Block and Head
  - » One-Piece Forged Crankshaft
  - » Replaceable Dry Cylinder Liners
  - » Forged Connection Rod and Aluminum Alloy Pistons
  - » Oil Gallery Piston Cooling
- » Intake Air and Exhaust System
  - » Cast Iron Cylinder Head
  - » Hardened Valves and Valve Seats
  - » Naturally Aspirated
  - » Top Mounted Air Cleaner
  - » Replaceable Air Filter
- » Fuel/Exhaust Aftertreatment
  - » Natural Gas, Wellhead Gas, LPG
  - » 3-Way Catalyst
- » Cooling System
  - » Poly V-Belt Driven Water Pump
  - » Pusher or Suction Fan
  - » 50c Ambient Cooling Capacity
- » Lubrication System
  - » Flat Bottom, High Capacity Oil Pan (15L)
  - » High Capacity, Gear Driven Oil Pump
  - » Spin-On Oil Filters
  - » 500 HR Service interval
- » Engine Control System and Ignition
  - » US Proven ECU, Fuel System and Engine Control
  - » CANBUS J1939 Interface
  - » Knock Sense and Control
  - » Coil on Plug
  - » Telematics Compatibility
  - » Engine Protection
    - » Oil Pressure and Oil Level
    - » Coolant Temperature and Level
    - » Over-Speed
- » Flywheel and Housing
  - » SAE 11.5" Flywheel
  - » SAE #3 Housing

## Specifications

- » 4 Cylinder In-Line, 4 Cycle
- » Naturally Aspirated
- » Bore & Stroke: 4.5" x 4.33" (115mm x 110mm)
- » Displacement 279 cu in (4.5L)
- » Compression Ratio: 12.5:1
- » Governor: Electronic
- » Emissions: US-EPA Certified
- » Net Maximum Horsepower
  - NG: 68 hp @ 2200 (114.1 kWm)
  - LP: 71 hp @ 1800 (111.9 kWm)
- » Hi Idle: 2200 rpm
- » Rotation Viewed from Flywheel: Counterclockwise



**HUSKER**  
**POWER**  
**PRODUCTS**

ENGINES · PUMPS · GENERATORS

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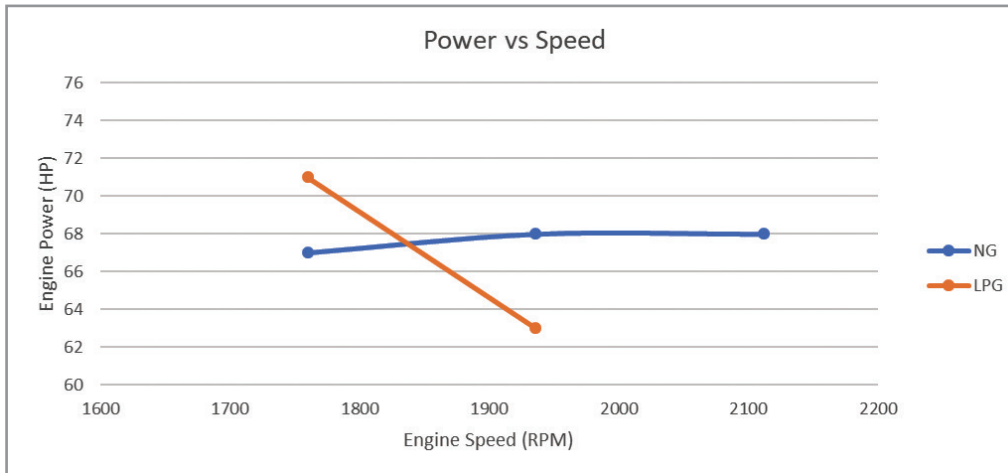
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## Performance Curves

RPM	1760	1936	2112	2200
HP/NG	67	68	68	68
HP/LPG	71	63	NA	NA

Maximum recommended continuous duty application at 2500', 100 degree temperature without fan and radiator. Derate 1% per 10 degrees above 100 and 3.5% per 1000' above 2500'.

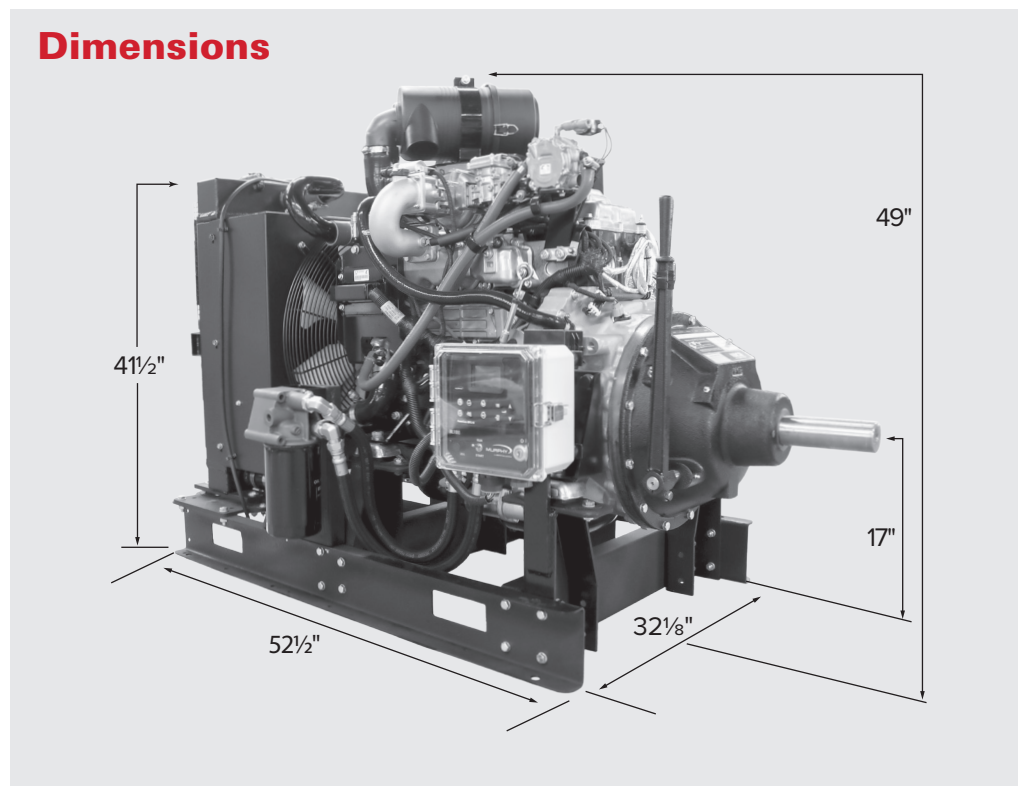


Power corrected to SAE J1995. Actual power levels may vary due to fuel system calibration, and design of induction and exhaust system.

## Optional Equipment

- » Radiator
- » Heat Exchanger Cooling and Surge-tanks
- » Over-Center PTO Clutch
- » Front Auxiliary Pulley
- » Telematics
- » Pressure Governing
- » Dual Fuel (NG and LPG)
- » Direct Drive Plate
- » Torsional Resilient Drive Coupler
- » Drive Lines
- » Drive Hubs and Flanges
- » Murphy Sight Level Gauges
- » Off-Road Engine Trainers
- » Generators and Generator Mounting
- » Pumps and Pump Primers
- » Adjustable Engine Stands

## Dimensions



\*Generators, Drive Shafts and Pumps also available.

