SENECA
POWER GENERATION

Distributed by Genrep



50KW

Model: 50DHS4-M
Prime/Standby - Diesel
Mobile Unit
2 Year Limited Warranty
EPA Tier 4 Final

Lightweight Enclosure
Made of corrosion resistant composite with sound abatement of up to 70 dBA at 1 meter

Prime Rated
Hyundai DM03 engine with Stamford alternator, and Deep Sea controller

Nation-wide Service
Covered by network of trained service professionals

Voltage selector switch
Easy voltage selection for custom applications

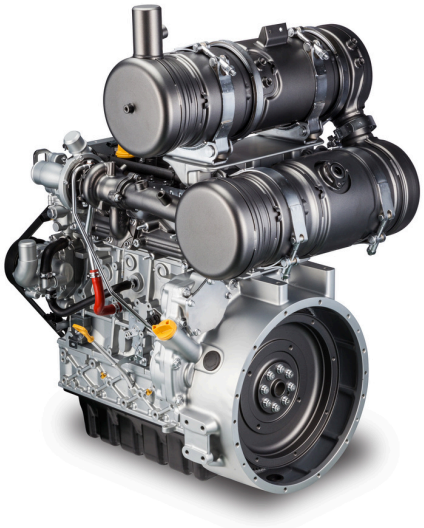
Paralleling and Sync
Optional on all Seneca units

Plug & Play Unit
Canopy-integrated cam-loks with remote start and optional comms. connector

Remote Monitoring
Optional real-time analytics for fleet operations

Weight & Dimensions

Approx. Weight Dry	1770 KG
Length	2808 mm
Width	1249 mm
Height	1953 mm



Powered by
HYUNDAI



Pictures and dimensions shown are for illustration purposes only. The actual product may vary based on power node and part visibility.

Engine Specifications

Engine Brand / Model	Hyundai Infracore / D34
Cylinders, number	Inline 4
Displacement (L)	3.4 Liter
Aspiration	Turbocharged and air-to-air aftercooled
Bore & Stroke	90 x 113 mm
Compression Ratio	18.0:1
Combustion System	CI
Rated RPM	1800
Max Power at Rated RPM (kWm)	55.4 KW
Cylinder Block Material	Cast Iron
Governor	Controlled by ECU
Fuel System	Diesel Bosch Common-rail Pump
Emissions	Tier 4 Final (DOC only)
Starter Motor	12V x 2.5KW
Battery Charging Alternator	12V x 110A
Flywheel & Housing	SAE #4 - 10" (SAE J620)
Maximum Coolant Temperature	110°C
Radiator Fan	Blower Type, Plastic, 6 Blade
Fuel System Frequency Regulation, Steady State	±0.5%
Air Cleaner	Dry Type
Fuel Heater	Bi-metal Type Control, Resistive

Genset Specifications

Power (KWe)	50 KW
Power Rating	Prime
Speed RPM (Hz)	1800 (60)
Enclosure Type	Weather
Vibration Mounts	Rubber Mounts
Coupling	Direct
Electric Fuel Pump	STANDARD
Glow Plugs	STANDARD
Brushless Design with AVR	STANDARD
Key Start	OPTIONAL
Exhaust Flex and Piping	OPTIONAL
Oil Change Pump	OPTIONAL
Sound Attenuation	OPTIONAL
Custom Designing For Special Applications	OPTIONAL
Block Heater	STANDARD
Fuel Tank Capacity	50.45 Gal
Specific Fuel Consumption 1800RPM @ 50%	10.7 Liters/Hr
Specific Fuel Consumption 1800RPM @100%	20.5 Liters/Hr

Electrical Specifications

Volts	Power Factor	Standby			Prime		
		Watts	KVA	AMPS	Watts	KVA	AMPS
120/240 1-PH	1	47,000.00	47	195	47,000.00	47	195
120/208 3-PH	0.8	47,000.00	58.75	163	47,000.00	58.75	163
120/240 3-PH	0.8	47,000.00	58.75	141	47,000.00	58.75	141
277/480 3-PH	0.8	47,000.00	58.75	70.1	47,000.00	58.75	70.1
347/600 3-PH	0.8	47,000.00	58.75	56.5	47,000.00	58.75	56.5

Controller Specifications

Brand	DSE
Full Engine Monitoring	Yes
Full AC/DC Monitoring	Yes
USB Connectable	Yes
RS282/RS485	Yes
Remote Start Stop Capability	Yes
Safety Shut Downs For Monitored Parameters	Yes
Remote Display Panel	Optional
DSE Web Net	Optional
External Emergency Stop	Optional
Additional Inputs/Outputs	Optional
Engine Exerciser	Disabled
Maintenance Interval Timer	Disabled
Load Shedding/Dummy	Disabled



Please contact your local dealer for parts, warranty, maintenance, and service

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