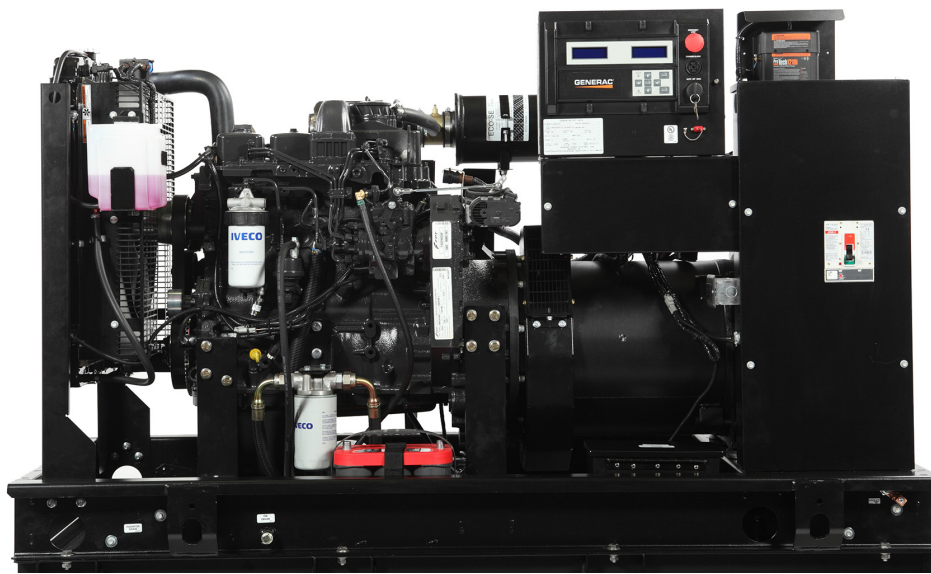


D4.5L

Diesel Generator Set



Standby Power Rating
60 kW, 60Hz
80 kW, 60Hz

Image used for illustration purposes only
Codes or standards compliance listing may not be available with all configurations.
Consult factory for details.



UL2200, UL508, UL489, UL142



CSA C22.2, ULC S601



DIN

BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC 700, 701, 702, 708



ISO 9001, 8528, 3046, 7637



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

- Control System - NFPA 110 Level 1 Compliant
- Cooling System can operate at up to 50°C (122°F) Ambient
- Fast Starting - NFPA 110 Type 10 starting capable
- Ruggedness - Can accept full rated load in a single step in accordance with NFPA 110 for Level 1 systems
- Alternator - Low temperature rise (<120°C) alternators with permanent magnet excitation
- Prototype Tested - Prototype Testing performed in accordance with requirements of NFPA 110 for Level 1 systems

SINGLE SOURCE SERVICE RESPONSE from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.

60 kW • 80 kW

GENERAC®**Features****STANDARD FEATURES****ENGINE SYSTEM****General**

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Exhaust Silencer (Enclosed Only)
- Engine Block Heater, Factory Installed (1500W, 120W)

Fuel System

- Fuel Shutoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension

Engine Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated units)
- Silencer Mounted in the Discharge Hood (enclosed units only)
- 120V GFCI and 240V Outlets

TANKS (If Selected)

- UL142/ULC S601
- Emergency Vent
- Double Wall Construction
- Sloped Top and Bottom
- Factory Pressure Tested
- Rupture Basin Alarm
- Electronic and Visual Fuel Level Indication

ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation System
- Sealed Bearings
- Amortisseur Winding
- Full Load Capacity Alternator

ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

OPTIONAL FEATURES**Available Voltages**

- 120/240V 1-Phase
- 120/208V 3-Phase
- 120/240V 3-Phase
- 277/480V 3-Phase

Engine Options and Accessories

- Two-Stage Air Cleaner
- Air Filter Restriction Indicator
- Oil Temperature Indication and Alarms
- Oil Pan Heater
- Critical Exhaust Silencer (Open Set Only) *

Alternator Accessories

- Alternator Anti-Condensation Heater

Battery/Charger Options

- Battery - Group 31, Factory Installed
- 10 Amp Automatic Float/Equalize Battery Charger
- Battery Warmer, Factory Installed

Tanks

- Extended Fill and Vent
- Tank Risers
- Stainless Steel Fuel Lines
- Vent Extensions (12' Above Grade)

Main Line Circuit Breaker Options (MLCB)

(Not all circuit breaker ratings available in options; consult factory)

- Standard MLCB (80%, Thermal-Magnetic)
- MLCB with 12VDC Shunt Trip and Auxiliary Contacts
- 100% Rated MLCB
- Electronic Trip (LSI) MLCB
- Optional Size MLCB
- Bus Bar Only (No MLCB)
- Dual MLCBs or MLCB and Bus Bar

Enclosure Options and Accessories

- Weather Protected Enclosure
- Level 1 Sound Attenuated Enclosure
- Level 2 Sound Attenuated Enclosure
- Level 2 Sound Attenuated Enclosure with Motorized Dampers
- All enclosures available in steel or aluminum
- Enclosure Heater (Only Available with Motorized Dampers)
- Damper Actuator Position Alarm (Available only with Level 2 Sound Attenuated Enclosure with Motorized Dampers)
- Door Open Alarm Switch
- Universal voltage AC/DC Light Kit

Control System Options and Accessories

- Engine Run Relay
- Ground Fault Annunciation
- 21 Light Remote Annunciator *
- 21 Light Remote Annunciator with 8 Function Alarm Assembly Relay *
- 8 Function Alarm Relay Panel *
- 16 Function Alarm Relay Panel *
- Remote Emergency Stop-Break Glass *
- Remote Emergency Stop-Surface Mount *
- Remote Emergency Stop-Flush Mount *
- 8 Position Auxiliary Load Center
- Extended 2 Hour Rated Power Factor Testing

Warranty Options:

- 2 Year Extended Limited Warranty
- 5 Year Basic Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

* *Shipped loose item*

Note: Not all options available in all configurations. Consult factory for details.

60 kW • 80 kW

Application and Engineering Data

Controller Features



Digital H Control Panel- Dual 4x20 Display

Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- 3-Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch

- E-Stop (Red Mushroom-Type)
- NFPA 110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Low Fuel Pressure Alarm
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Generator Output Voltage/kW - 60Hz

Nom. kW	Voltage (3-phase unless noted)	kW (Standby)	Amp (Standby)	Standard CB Size
60	120/240, Single Phase	60	250	300A
	120/208	60	208	250A
	120/240	60	180	225A
	277/480	60	90	100A
80	120/240, Single Phase	80	333	400A
	120/208	80	278	300A
	120/240	80	240	300A
	277/480	80	120	150A

60 kW • 80 kW**Application and Engineering Data****Engine Fuel Consumption (Nominal)**

Nom. kW		gal/hr	L/hr
60	25% of Rated Load	1.03	3.90
	50% of Rated Load	1.72	6.52
	75% of Rated Load	2.40	9.09
	100% of Rated Load	3.10	11.74
80	25% of Rated Load	1.12	4.24
	50% of Rated Load	1.93	7.31
	75% of Rated Load	2.70	10.23
	100% of Rated Load	3.50	13.26

Note: Fuel supply must be sized for Total Fuel Flow
Refer to “Emissions Data Sheets” for maximum fuel flow for EPA and SCAQMD permitting purposes

Fuel Pump Lift (ft/m)	3 (1)
Total Fuel Pump Flow (Combustion + Return) (gal/hr)	13.6

Engine Cooling

	60 kW	80 kW
Inlet Air (Radiator)- cfm (m³/m)	6360 (180)	6360 (180)
System Coolant Capacity- gal (L)	4.5 (17.4)	4.5 (17.4)
Heat Rejection to Coolant- BTU/hr	123,000	232,270
Max Operating Air Temperature- °F (°C)	122 (50)	122 (50)
Maximum Temperature Before Derate- °F (°C)	104 (40)	104 (40)
Maximum Altitude Before Derate- ft (m)	3000	3000
Derate	Derate for altitude is 3.0% for every 1000 ft above the baseline altitude. Derate for temperature is 1.7% for every 5° F or 3% for every 5° C above the baseline temperature.	
Maximum Radiator Backpressure- in H ₂ O	0.5	0.5

Combustion Air Requirements

Flow at Rated Power- cfm (m³/m)	247 (7.0)	306 (8.7)
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Engine

Rated Engine Speed- rpm	1800	1800
Horsepower at Rated Power- hp	93	131
Piston Speed- ft/min	1559	1559
BMEP- psi	154	210

Exhaust

Exhaust Flow at Rated Output- cfm (m³/m)	782 (22.1)	782 (22.1)
Maximum Allowable Backpressure at Engine Exhaust Manifold- in Hg (kPA)	1.5 (5.1)	1.5 (5.1)
Exhaust Temperature at Engine Exhaust Manifold— °F (°C)	930 (498.8)	887 (475)

60 kW • 80 kW

Generator Specifications

Type	Synchronous
Rotor Insulation Class	H
Stator Insulation Class	H
Telephone Interference Factor (TIF)	<50
Alternator Out Leads 1-Phase	4 Wire
Alternator Output Leads 3-Phase	12 Wire
Bearings	Sealed Ball
Couplings	Flexible Disc
Excitation System	Permanent Magnet

Voltage Regulation

Type	Full Digital
Sensing	All Phases
Regulation	±0.5%

Governor Specifications

Type	Electronic, Isochronous
Steady State Regulation	±0.25%

Electrical System

Battery Charging Alternator	Standard
12 VDC, 10 A Automatic Float/Equalize Battery Charger	Optional
System Voltage	12 VDC

Engine Specifications

Make	Generac
Model	D4.5
Cylinders/Arrangement	4 In-Line
Displacement (cu. in./Liters)	274.6/4.5
Bore (in./mm)	4.1 / 105
Stroke (in./mm)	5.2 / 132
Compression Ratio	17.5 : 1
Intake Air System	Turbocharged/Aftercooled
Cylinder Head Type	2 Valve
Piston Type	Aluminum
EPA Emissions Certification	Tier 3

Engine Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Cartridge
Crankcase Capacity (qt/L)	14.4 / 13.6

Engine Cooling System

Type	Closed
Water Pump	Belt-Driven Centrifugal
Fan Speed (rpm)	2538
Fan Diameter (in./mm)	26 / 660.4
Fan Mode	Pusher

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Pump Type	Engine Driver Gear
Injector Type	Distribution Injection Pump
Fuel Supply Line (in./mm)	0.5 (12.7) NPT
Fuel Return Line (in./mm)	0.5 (12.7) NPT
Fuel Specification	ASTM
Fuel Filtering (microns)	5

Motor Starting Surge Capacity

Voltage Dip @ 0.3pf

Nom. kW	Voltage	sKVA at 35% Voltage Dip
60	480	146
	208/240	110
80	480	205
	208/240	154

60 kW • 80 kW

Application and Engineering Data

Dimensions and Weights

	60 kW	80 kW
Open Set		
L x W x H in (mm)- No Tank	92.9 (2,360) x 40.0 (1,016) x 49.2 (1,250)	
Weight- lbs (kg)- No Tank	2,488 (1,128)	2,561 (1,160)
L x W x H in (mm)- 12" / 79 Gal	92.9 (2,360) x 40.0 (1,016) x 62.2 (2,690)	
Weight- lbs (kg)- 12" / 79 Gal	3,010 (1,365)	3,083 (1,397)
L x W x H in (mm)- 24" / 189 Gal	92.9 (2,360) x 40.0 (1,016) x 74.2 (1,885)	
Weight- lbs (kg)- 24" / 189 Gal	3,246 (1,472)	3,319 (1,504)
L x W x H in (mm)- 36" / 300 Gal	92.9 (2,360) x 40.0 (1,016) x 86.2 (2,190)	
Weight- lbs (kg)- 36" / 300 Gal	3,470 (1,573)	3,543 (1,605)
L x W x H in (mm)- 36" / 350 Gal	110.0 (2,794) x 40.0 (1,016) x 86.2 (2,190)	
Weight- lbs (kg)- 36" / 350 Gal	3,872 (1,756)	3,945 (1,788)
L x W x H in (mm)- 36" / 510 Gal	116.5 (2,960) x 47.4 (1,205) x 91.8 (2,333)	
Weight- lbs (kg)- 36" / 510 Gal	3,857 (1,749)	3,926 (1,781)
L x W x H in (mm)- 36" / 589 Gal	128.0 (3,250) x 48.7 (1,238) x 89.7 (2,279)	
Weight- lbs (kg)- 36" / 589 Gal	4,332 (1,964)	4,405 (1,996)
Standard Enclosure		
L x W x H in (mm)- No Tank	111.8 (2,840) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- No Tank (Steel)	3,017 (1,368)	3,090 (1,401)
Weight- lbs (kg)- No Tank (Aluminum)	2,748 (1,246)	2,320 (1,279)
L x W x H in (mm)- 12" / 79 Gal	111.8 (2,840) x 40.5 (1,028) x 69.2 (1,757)	
Weight- lbs (kg)- 12" / 79 Gal (Steel)	3,539 (1,605)	3,612 (1,638)
Weight- lbs. (kg)- 12" / 79 Gal (Aluminum)	3,270 (1,483)	2,842 (1,516)
L x W x H in (mm)- 24" / 189 Gal	111.8 (2,840) x 40.5 (1,028) x 81.2 (2,062)	
Weight- lbs (kg)- 24" / 189 Gal (Steel)	3,775 (1,712)	3,848 (1,745)
Weight- lbs. (kg)- 24" / 189 Gal (Aluminum)	3,506 (1,590)	3,078 (1,623)
L x W x H in (mm)- 36" / 300 Gal	111.8 (2,840) x 40.5 (1,028) x 93.2 (2,367)	
Weight- lbs (kg)- 36" / 300 (Steel)	3,999 (1,813)	4,072 (1,846)
Weight- lbs. (kg)- 36" / 300 (Aluminum)	3,730 (1,691)	3,302 (1,724)
L x W x H in (mm)- 36" / 350 Gal	111.8 (2,840) x 40.5 (1,028) x 93.2 (2,367)	
Weight- lbs (kg)- 36" / 350 (Steel)	4,401 (1,996)	4,474 (2,029)
Weight- lbs. (kg)- 36" / 350 (Aluminum)	4,132 (1,874)	3,704 (1,907)
L x W x H in (mm)- 36" / 510 Gal	111.8 (2,840) x 40.5 (1,028) x 98.8 (2,510)	
Weight- lbs (kg)- 36" / 510 Gal (Steel)	4,382 (1,989)	4,455 (2,022)
Weight- lbs. (kg)- 36" / 510 Gal (Aluminum)	4,113 (1,867)	3,685 (1,900)
L x W x H in (mm)- 36" / 589 Gal	111.8 (2,840) x 40.5 (1,028) x 96.7 (2,456)	
Weight- lbs (kg)- 36" / 589 Gal (Steel)	4,861 (2,204)	4,934 (2,237)
Weight- lbs. (kg)- 36" / 589 Gal (Aluminum)	4,592 (2,082)	4,164 (2,115)

Dimensions and Weights

	60 kW	80 kW
Level 1 Acoustic Enclosure		
L x W x H in (mm)- No Tank	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- No Tank (Steel)	3,173 (1,441)	3,251 (2,474)
Weight- lbs (kg)- No Tank (Aluminum)	2,817 (1,278)	2,890 (1,311)
L x W x H in (mm)- 12" / 79 Gal	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- 12" / 79 Gal (Steel)	3,695 (1,678)	3,773 (2,711)
Weight- lbs. (kg)- 12" / 79 Gal (Aluminum)	3,339 (1,515)	3,412 (1,548)
L x W x H in (mm)- 24" / 189 Gal	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- 24" / 189 Gal (Steel)	3,931 (1,785)	4,009 (2,818)
Weight- lbs. (kg)- 24" / 189 Gal (Aluminum)	3,575 (1,622)	3,648 (1,655)
L x W x H in (mm)- 36" / 300 Gal	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- 36" / 300 (Steel)	4,155 (1,886)	4,233 (2,919)
Weight- lbs. (kg)- 36" / 300 (Aluminum)	3,799 (1,723)	2,872 (1,756)
L x W x H in (mm)- 36" / 350 Gal	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- 36" / 350 (Steel)	4,557 (2,069)	4,635 (3,102)
Weight- lbs. (kg)- 36" / 350 (Aluminum)	4,201 (1,906)	4,274 (1,939)
L x W x H in (mm)- 36" / 510 Gal	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- 36" / 510 Gal (Steel)	4,538 (2,062)	4,616 (3,095)
Weight- lbs. (kg)- 36" / 510 Gal (Aluminum)	4,182 (1,899)	4,255 (1,932)
L x W x H in (mm)- 36" / 589 Gal	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)	
Weight- lbs (kg)- 36" / 589 Gal (Steel)	5,017 (2,277)	5,095 (3,310)
Weight- lbs. (kg)- 36" / 589 Gal (Aluminum)	4,661 (2,114)	4,734 (2,147)
Level 2 Acoustic Enclosure		
L x W x H in (mm)- No Tank	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- No Tank (Steel)	3,306 (1,499)	3,378 (1,532)
Weight- lbs (kg)- No Tank (Aluminum)	2,872 (1,303)	2,945 (1,336)
L x W x H in (mm)- 12" / 79 Gal	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- 12" / 79 Gal (Steel)	3,828 (1,736)	3,900 (1,769)
Weight- lbs. (kg)- 12" / 79 Gal (Aluminum)	3,394 (1,540)	3,467 (1,573)
L x W x H in (mm)- 24" / 189 Gal	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- 24" / 189 Gal (Steel)	4,064 (1,843)	4,136 (1,876)
Weight- lbs. (kg)- 24" / 189 Gal (Aluminum)	3,630 (1,647)	3,703 (1,680)
L x W x H in (mm)- 36" / 300 Gal	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- 36" / 300 (Steel)	4,288 (1,944)	4,360 (1,977)
Weight- lbs. (kg)- 36" / 300 (Aluminum)	3,854 (1,748)	3,927 (1,781)
L x W x H in (mm)- 36" / 350 Gal	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- 36" / 350 (Steel)	4,690 (2,127)	4,762 (2,160)
Weight- lbs. (kg)- 36" / 350 (Aluminum)	4,256 (1,931)	4,329 (1,964)
L x W x H in (mm)- 36" / 510 Gal	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- 36" / 510 Gal (Steel)	4,671 (2,120)	4,743 (2,153)
Weight- lbs. (kg)- 36" / 510 Gal (Aluminum)	4,237 (1,924)	4,310 (1,957)
L x W x H in (mm)- 36" / 589 Gal	118.1 (2,840) x 40.5 (1,028) x 68.6 (1,743)	
Weight- lbs (kg)- 36" / 589 Gal (Steel)	5,150 (2,335)	5,222 (2,368)
Weight- lbs. (kg)- 36" / 589 Gal (Aluminum)	4,716 (2,139)	4,789 (2,172)

60 kW • 80 kW**Application and Engineering Data****Dimensions and Weights**

	60 kW	80 kW
Level 2 Acoustic Enclosure with Motorized Dampers		
L x W x H in (mm)- No Tank	111.8 (2,840) x 40.5 (1,028) x 76.6 (1,947)	
Weight- lbs (kg)- No Tank (Steel)	3,467 (1,573)	3,547 (1,609)
Weight- lbs (kg)- No Tank (Aluminum)	3,016 (1,368)	3,093 (1,403)
L x W x H in (mm)- 12" / 79 Gal	111.8 (2,840) x 40.5 (1,028) x 89.6 (2,277)	
Weight- lbs (kg)- 12" / 79 Gal (Steel)	3,989 (1,810)	4,069 (1,846)
Weight- lbs. (kg) - 12" / 79 Gal (Aluminum)	3538 (1,605)	3,615 (1,640)
L x W x H in (mm)- 24" / 189 Gal	111.8 (2,840) x 40.5 (1,028) x 101.6 (2,582)	
Weight- lbs (kg)- 24" / 189 Gal (Steel)	4,225 (1,917)	4,305 (1,953)
Weight- lbs. (kg) - 24" / 189 Gal (Aluminum)	3,774 (1,712)	3,851 (1,747)
L x W x H in (mm)- 36" / 300 Gal	111.8 (2,840) x 40.5 (1,028) x 113.6 (2,887)	
Weight- lbs (kg)- 36" / 300 (Steel)	4,449 (2,018)	4,529 (2,054)
Weight- lbs. (kg) - 36" / 300 (Aluminum)	3,998 (1,813)	4,075 (1,848)
L x W x H in (mm)- 36" / 350 Gal	111.8 (2,840) x 40.5 (1,028) x 113.6 (2,887)	
Weight- lbs (kg)- 36" / 350 (Steel)	4,851 (2,201)	4,931 (2,237)
Weight- lbs. (kg) - 36" / 350 (Aluminum)	4,400 (1,996)	4,477 (2,031)
L x W x H in (mm)- 36" / 510 Gal	111.8 (2,840) x 47.4 (1,205) x 119.2 (3,030)	
Weight- lbs (kg)- 36" / 510 Gal (Steel)	4,832 (2,194)	4,912 (2,230)
Weight- lbs. (kg) - 36" / 510 Gal (Aluminum)	4,381 (1,989)	4,458 (2,024)
L x W x H in (mm)- 36" / 589 Gal	128 (3,250) x 48.7 (1,238) x 117.1 (2,976)	
Weight- lbs (kg)- 36" / 589 Gal (Steel)	5,311 (2,409)	5,391 (2,445)
Weight- lbs. (kg) - 36" / 589 Gal (Aluminum)	4,860 (2,204)	4,937 (2,239)

Unit Sound Data

	60 kW	80 kW
Open Set		
No Load Sound Data- dBA	80	80
Full Load Sound Data- dBA	81	81
Standard Enclosure		
No Load Sound Data- dBA	76	76
Full Load Sound Data- dBA	77	77
Level 1 Acoustic Enclosure		
No Load Sound Data- dBA	66	66
Full Load Sound Data- dBA	68	69
Level 2 Acoustic Enclosure		
No Load Sound Data- dBA	65	65
Full Load Sound Data- dBA	66	67
Level 2 Acoustic Enclosure with Motorized Dampers		
No Load Sound Data- dBA	65	65
Full Load Sound Data- dBA	66	67