

KDxxxx designates a generator set with a Tier 2 EPA-Certified engine. KDxxxx-F designates a 60 Hz generator set with a fuel optimized engine.

Ratings Range

60 Hz

Standby: kW 1590-1750 **kVA** 1988-2188

Prime: kW 1400-1580

kVA 1750-1975



Rating below

Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- Approved for use with certified renewable Hydrotreated Vegetable Oil (HVO) / Renewable Diesel (RD) fuels compliant with EN15940 / ASTM D975.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- A standard three-year unlimited-hour limited warranty for standby applications in the U.S. And Canada. Five-year basic, five-year comprehensive, and ten-year extended limited warranties are also available.
- A standard two-year or 8700-hour limited warranty for prime power applications.
- Other features:
 - Kohler designed controllers for one-source system integration and remote communication. See Controllers on page 4.
 - The low coolant level shutdown prevents overheating (standard on radiator models only).

General Specifications

(Refer to TIB-101 for definitions)

Orderable Generator Model Number	GMKD1750
Manufacturer	Kohler
Engine: model	KD45V20
Alternator Choices	KH04920TO4D KH05641TO4D KH05740TO4D KH06400TO4D KH06721TO4D KH06810TO4D
Performance Class	Per ISO 8528-5
One Step Load Acceptance	100%
Voltage	Wye, 600 V., or 4160 V
Controller	APM603, APM802
Fuel Tank Capacity, L (gal.)	5863-21985 (1549-5808)
Fuel Consumption, L/hr (gal./hr) 100% at Standby	461 (121.7)
Fuel Consumption, L/hr (gal./hr) 100% at Prime Power	427 (112.7)
Emission Level Compliance (KDxxxx)	Tier 2
Open Unit Noise Level @ 7 m dB(A) at Rated Load	98
Data Center Continuous (DCC) Rating	Same as the Standby

Generator Set Ratings

				150°C Standby		130°C Standby		125°C Prime F		105°C Prime F	
Alternator	Voltage	Ph	Hz	kW/kVA	Amps	kW/kVA	Amps	kW/kVA	Amps	kW/kVA	Amps
KUMANATOAD	240/416	3	60	1620/2025	2811	1590/1988	2759	1560/1950	2707	1400/1750	2429
KH04920TO4D	277/480	3	60	1750/2188	2632	1750/2188	2632	1580/1975	2376	1540/1925	2316
	220/380	3	60	1750/2188	3325	1750/2188	3325	1580/1975	3001	1580/1975	3001
	230/400	3	60	1750/2188	3159	1750/2188	3159	1580/1975	2851	1580/1975	2851
KH05740TO4D	240/416	3	60	1750/2188	3037	1750/2188	3037	1580/1975	2742	1580/1975	2742
	277/480	3	60	1750/2188	2632	1750/2188	2632	1580/1975	2376	1580/1975	2376
	347/600	3	60	1750/2188	2106	1750/2188	2106	1570/1962	1888	1570/1962	1888
	230/400	3	60	1750/2188	3159	1750/2188	3159	1580/1975	2851	1580/1975	2851
KH06400TO4D	240/416	3	60	1750/2188	3037	1750/2188	3037	1580/1975	2742	1580/1975	2742
	277/480	3	60	1750/2188	2632	1750/2188	2632	1580/1975	2376	1580/1975	2376



				150°C Standby		130°C Standby		125°C Prime F		105°C Prime F	
Alternator	Voltage	Ph	Hz	kW/kVA	Amps	kW/kVA	Amps	kW/kVA	Amps	kW/kVA	Amps
	220/380	3	60	1750/2188	3324	1750/2188	3324	1580/1975	3001	1580/1975	3001
	230/400	3	60	1750/2188	3159	1750/2188	3159	1580/1975	2851	1580/1975	2851
KH06810TO4D	240/416	3	60	1750/2188	3037	1750/2188	3037	1580/1975	2742	1580/1975	2742
	277/480	3	60	1750/2188	2632	1750/2188	2632	1580/1975	2376	1580/1975	2376
	347/600	3	60	1750/2188	2105	1750/2188	2105	1580/1975	1901	1580/1975	1901
KH05641TO4D	2400/4160	3	60	1740/2175	302	1700/2125	295	1560/1950	271	1560/1950	271
KH06721TO4D	2400/4160	3	60	1750/2188	304	1750/2188	304	1580/1975	275	1580/1975	275

Manufacturer Engine: model Engine: type Cylinder arrangement Displacement, L (cu. in.) Bore and stroke, mm (in.) Compression ratio Piston speed, m/min. (ft./min.) Main bearings: quantity, type Rated rpm Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Cil pan capacity with filter (dipstick max. mark), L (qt.) § Cil filter: quantity, type § Kohler Genuine oil and filters.	Engine Specifications	60 Hz
Engine: type Cylinder arrangement Displacement, L (cu. in.) Bore and stroke, mm (in.) Compression ratio Piston speed, m/min. (ft./min.) Main bearings: quantity, type Rated rpm Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Cil pan capacity with filter (dipstick max. mark), L (qt.) § Cylinder: quantity, type 4-Cycle, Turbocharged, Intercooled 120-V 45 (2746) 135 x 157 (5.31 x 6.18) 15.0:1 565 (1854) 11, Precision Half Shells 1800 1910 (2561) Cast Iron Cast Iron Steel KODEC Electronic Control Isochronous ±0.25% Fixed Dry Full Pressure 60 Hz Type Full Pressure 0il pan capacity with filter (dipstick max. mark), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Manufacturer	Kohler
Cylinder arrangement 20-V Displacement, L (cu. in.) 45 (2746) Bore and stroke, mm (in.) 135 x 157 (5.31 x 6.18) Compression ratio 15.0:1 Piston speed, m/min. (ft./min.) 565 (1854) Main bearings: quantity, type 1800 Max. power at rated rpm, kWm (BHP) 1910 (2561) Cylinder head material 1910 Cast Iron Crankshaft material 1910 Steel Governor: type, make/model 1910 (2561) Frequency regulation, no-load to-full load 1910 Frequency regulation, steady state 1902 Frequency regulation, steady state 1902 Frequency Rixed 1902 Air cleaner type, all models 1907 Lubricating System 60 Hz Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Engine: model	KD45V20
Displacement, L (cu. in.) Bore and stroke, mm (in.) Compression ratio Piston speed, m/min. (ft./min.) Main bearings: quantity, type Rated rpm Rated Steel Robet Electronic Control Ro	Engine: type	
Bore and stroke, mm (in.) Compression ratio Piston speed, m/min. (ft./min.) Main bearings: quantity, type Rated rpm Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Crankshaft material Walve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Cil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § Oil filter: quantity, type § 135 x 157 (5.31 x 6.18) 15.0:1 15.0:1 15.0:1 15.0:1 15.0:1 165 (1854) 11, Precision Half Shells 1800 1910 (2561) Cast Iron Cast Iron Cast Iron Cast Iron Steel KODEC Electronic Control Isochronous Fixed ±0.25% Fixed Dry Lubricating System 60 Hz Full Pressure Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Cylinder arrangement	20-V
Compression ratio Piston speed, m/min. (ft./min.) So5 (1854) Main bearings: quantity, type Rated rpm 1800 Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil filter: quantity, type § 15.0:1 15.0:1 15.0:1 15.0:1 15.0:1 165 (1854) 11, Precision Half Shells 1800 1910 (2561) Cast Iron Cast Iron Cast Iron Steel KODEC Electronic Control Isochronous Fixed ±0.25% Fixed Dry Full Pressure 165 (174) 180 (190) Oil filter: quantity, type § 4, Cartridge	Displacement, L (cu. in.)	45 (2746)
Piston speed, m/min. (ft./min.) Main bearings: quantity, type Rated rpm 1800 Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil filter: quantity, type § 11, Precision Half Shells 12, 265(1854) 11, Precision Half Shells 1800 1800 1910 (2561) Cast Iron Cast Iron Cast Iron Cast Iron Cast Iron Steel KODEC Electronic Control Isochronous Fixed £ 0.25% Fixed Dry Lubricating System 60 Hz Full Pressure 165 (174) 180 (190) 180 (190) 4, Cartridge	Bore and stroke, mm (in.)	135 x 157 (5.31 x 6.18)
Main bearings: quantity, type Rated rpm 1800 Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil filter: quantity, type § 11, Precision Half Shells 1800 Cast Iron Cast Iron KODEC Electronic Control Isochronous Fixed ±0.25% Fixed Dry Full Pressure 165 (174) 180 (190) 4, Cartridge	Compression ratio	15.0:1
Rated rpm 1800 Max. power at rated rpm, kWm (BHP) 1910 (2561) Cylinder head material Cast Iron Crankshaft material Steel Valve (exhaust) material Steel Governor: type, make/model KODEC Electronic Control Frequency regulation, no-load to-full load Frequency regulation, steady state ±0.25% Frequency Fixed Air cleaner type, all models Dry Lubricating System 60 Hz Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § 165 (174) Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Piston speed, m/min. (ft./min.)	565 (1854)
Max. power at rated rpm, kWm (BHP) Cylinder head material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Cil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § Oil filter: quantity, type § 1910 (2561) Cast Iron Full PEC Foult OB Hz Full Pressure 165 (174) 180 (190) 4, Cartridge	Main bearings: quantity, type	11, Precision Half Shells
Cylinder head material Crankshaft material Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Type Cubricating System Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § Oil filter: quantity, type § 4, Cartridge	Rated rpm	1800
Crankshaft material Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Lubricating System Type Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § Oil filter: quantity, type § 4, Cartridge	Max. power at rated rpm, kWm (BHP)	1910 (2561)
Valve (exhaust) material Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Lubricating System Type Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § Oil filter: quantity, type § AKODEC Electronic Control Isochronous Fixed Dry Fixed Dry Full Pressure 165 (174) 180 (190) 4, Cartridge	Cylinder head material	Cast Iron
Governor: type, make/model Frequency regulation, no-load to-full load Frequency regulation, steady state Frequency Air cleaner type, all models Lubricating System Type Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § Oil filter: quantity, type § KODEC Electronic Control Isochronous Fixed Dry Full Pressure 165 (174) 180 (190) 4, Cartridge	Crankshaft material	Steel
Frequency regulation, no-load to-full load	Valve (exhaust) material	Steel
Frequency regulation, steady state $\pm 0.25\%$ Frequency Fixed Air cleaner type, all models Dry Lubricating System 60 Hz Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § 165 (174) Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Governor: type, make/model	KODEC Electronic Control
Frequency Air cleaner type, all models Dry Lubricating System 60 Hz Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Frequency regulation, no-load to-full load	Isochronous
Air cleaner type, all models Dry Lubricating System 60 Hz Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Frequency regulation, steady state	±0.25%
Lubricating System Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Frequency	Fixed
Type Full Pressure Oil pan capacity with filter (dipstick max. mark), L (qt.) § 165 (174) Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Air cleaner type, all models	Dry
Oil pan capacity with filter (dipstick max. mark), L (qt.) § 165 (174) Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Lubricating System	60 Hz
mark), L (qt.) § 165 (174) Oil pan capacity with filter (initial fill), L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge	Туре	Full Pressure
L (qt.) § 180 (190) Oil filter: quantity, type § 4, Cartridge		165 (174)
		180 (190)
§ Kohler recommends the use of Kohler Genuine oil and filters.	Oil filter: quantity, type §	4, Cartridge
	§ Kohler recommends the use of Kohler	Genuine oil and filters.

Fuel System	60 Hz
Fuel supply line, min. ID, mm (in.)	19 (0.75)
Fuel return line, min. ID, mm (in.)	12 (0.5)
Max. fuel flow, Lph (gph)	629 (166)
Min./max. fuel pressure at engine supply connection, kPa (in. Hg)	- 30/30 (-8.8/8.8)
Max. return line restriction, kPa (in. Hg)	30 (8.8)
Fuel filter: quantity, type	1, Primary Engine Filter 1, Fuel/Water Separator
Recommended fuel	#2 Diesel ULSD / HVO / RD

Fuel Consumption**	60 Hz
Diesel, Lph (gph) at % load	Standby Rating
100%	461 (121.7)
75%	364 (96.2)
50%	261 (68.8)
25%	148 (39.0)
Diesel, Lph (gph) at % load	Prime Rating
100%	427 (112.7)
75%	332 (87.7)
50%	237 (62.6)
25%	142 (37.6)
** Fuel consumption is up to 4% higher when	using HVO/RD than #2 ULSD.

Radiator System	60	60 Hz	
Ambient temperature, °C (°F)*	50 (122)	40 (104)	
Radiator system capacity, including engine, L (gal.)	303 (80)	278 (73.4)	
Engine jacket water capacity, L (gal.)	143	(37)	
Engine jacket water flow, Lpm (gpm)	2339 (618)		
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	727 (41343)		
Heat rejected to charge air cooler at rated kW, dry exhaust, kW (Btu/min.)	502 (2	28548)	
Charge cooling air inlet temperature at 25°C (77°F) ambient, °C (°F)	240	(464)	
Turbocharger boost (abs), bar (psi)	3.64	(52.8)	
Water pump type	Centi	rifugal	
Fan diameter, including blades, mm (in.)	1750	(68.9)	
Fan, kWm (HP)	70 (93.9)	
Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H_2O)	0.125	5 (0.5)	

* Enclosure with enclosed silencer reduces ambient temperature capability by 5°C (9°F) for the 50°C radiator system.

Remote Radiator System†	60 Hz
Exhaust manifold type	Dry
Connection sizes:	
Water inlet/outlet, mm (in.)	_
Charge air cooler inlet/outlet (pipe dia. of flange), mm (in.)	_
Static head allowable above engine, kPa (ft. H ₂ O)	70 (23.5)

[†] Contact your local distributor for cooling system options and specifications based on your specific requirements.



Exhaust System	60 Hz
Exhaust flow at rated kW, m ³ /min. (cfm)	344 (12148)
Exhaust temperature at rated kW at 25°C (77°F) ambient, dry exhaust, °C (°F)	540 (1004)
Maximum allowable back pressure, kPa (in. Hg)	8.5 (2.5)
Exh. outlet size at eng. hookup, mm (in.)	See ADV drawing
Electrical System	60 Hz
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	24
Ampere rating	140
Starter motor qty. at starter motor power rating, rated voltage (DC)	Standard: 2 @ 8.4 kW, 24; Redundant (optional): 4 @ 8.4 kW, 24
Battery, recommended cold cranking amps (CCA):	
Quantity, CCA rating each, type (with standard starters)	4, 1110, AGM
Quantity, CCA rating each, type (with optional redundant starters) Battery voltage (DC)	8, 1110, AGM 12
	·
Air Requirements	60 Hz
Radiator-cooled cooling air, m³/min. (scfm)‡	2129 (75185)
Cooling air required for generator set when equipped with city water cooling or remote radiator, based on 14°C	404 = (40004)
(25°F) rise, m ³ /min. (scfm)‡	1217 (42991)
Combustion air, m ³ /min. (cfm)	123 (4343)
Heat rejected to ambient air:	000 (10050)
Engine, kW (Btu/min.)	233 (13250)
Alternator, kW (Btu/min.)	107 (6096)
‡ Air density = $1.20 \text{ kg/m}^3 (0.075 \text{ lbm/ft}^3)$	3)

60 Hz		
4-Pole, Rotating-Field		
Brushless, Permanent- Magnet Pilot Exciter		
Solid-State, Volts/Hz		
NEMA MG1, UL 1446, Vacuum Pressure Impregnated (VPI)		
Class H, Synthetic, Nonhygroscopic		
130°C, 150°C Standby		
1, Sealed		
Flexible Disc		
Full		
Random Wound		
Form Wound		
125%		
±0.25%		
100% of Rated Standby Current		
(35% dip for voltages below)		
6509		
6749		
7228		
8466		

Alternator Standard Features

- The pilot-excited, permanent magnet (PM) alternator provides superior short-circuit capability.
- All models are brushless, rotating-field alternators.
- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and dripproof construction.
- Superior voltage waveform from two-thirds pitch windings and skewed stator.
- Brushless alternator with brushless pilot exciter for excellent load response.

NOTE: See TIB-102 Alternator Data Sheets for alternator application data and ratings, efficiency curves, voltage dip with motor starting curves, and short circuit decrement curves.



Controllers



APM802 Controller

Provides advanced control, system monitoring, and system diagnostics for optimum performance and compatibility.

- 12-inch graphic display with touch screen and menu control provide easy local data access
- · Measurements are selectable in metric or English units
- User language is selectable
- Two USB ports allow connection of a flash drive, mouse, or keypad
- Electrical data, mechanical data, and system settings can be saved to a flash drive
- Ethernet port allows connection to a PC type computer or Ethernet switch
- The controller supports Modbus® RTU and TCP protocols
- NFPA 110 Level 1 capability

Refer to G6-152 for additional controller features and accessories.

Modbus® is a registered trademark of Schneider Electric.



APM603 Controller

Provides advanced control, system monitoring, and system diagnostics for optimum performance and compatibility.

- 7-inch graphic display with touch screen and menu control provides easy local data access
- Measurements are selectable in metric or English units
- Paralleling capability to control up to 8 generators on an isolated bus with first-on logic, synchronizer, kW and kVAR load sharing, and protective relays

Note: Parallel with other APM603 controllers only

- Generator management to turn paralleled generators off and on as required by load demand
- · Load management to connect and disconnect loads as required
- Controller supports Modbus® RTU, Modbus® TCP, SNMP and BACnet®
- Integrated voltage regulator with ±0.25% regulation
- Built-in alternator thermal overload protection
- UL-listed overcurrent protective device
- NFPA 110 Level 1 capability

Refer to G6-162 for additional controller features and accessories.

BACNet® is a registered trademark of ASHRAE.

Codes and Standards

- Engine- generator set is designed and manufactured in facilities certified to ISO 9001.
- Generator set meets NEMA MG1, BS5000, ISO, DIN EN, and IEC standards, NFPA 110.
- Engine generator set is tested to ISO 8528-5 for transient response.
- The generator set and its components are prototype-tested, factory-built, and production-tested.

Third-Party Compliance

• Tier 2 EPA-Certified for Stationary Emergency Applications

Available Approvals and Listings California HCAI Pre- Approval CSA Certified IBC Seismic Certification UL 2200 Listing CULus Florida Dept. of Environmental Protection (FDEP) Compliance

Warranty Information

- A standard three-year or 1000-hour limited warranty for standby applications. Five-year basic, five-year comprehensive, and ten-year extended limited warranties are also available.
- A standard two-year or 8700-hour limited warranty for prime power applications.

Available Warranties for Standby Applications

- ☐ 5-Year Basic Limited Warranty
- 5-Year Comprehensive Limited Warranty
- 10-Year Major Components Limited Warranty

Standard Features

- Closed Crankcase Ventilation (CCV) Filters
- Customer Connection
- Generator Heater (4160 Volt)
- Integral Vibration Isolation
- Local Emergency Stop Switch
- Oil Drain and Coolant Drain Extension
- Operation and Installation Literature



Available Options

Circuit Breakers	Electrical System
Type Rating	Battery, AGM (kit with qty. 4)
☐ Magnetic Trip ☐ 80%	Battery, AGM (kit with qty. 8)
☐ Thermal Magnetic Trip ☐ 100%	☐ Battery Charger
☐ Electronic Trip (LI) Operation	Battery Heater; 80 W, 120 V, 1Ph
☐ Electronic Trip with ☐ Manual	☐ Battery Rack and Cables
Short Time (LSI)	Generator Heater (up to 600 Volt)
Circuit Breaker Mounting	Redundant Starters
☐ Generator Mounted	Fuel System
Remote Mounted	☐ Flexible Fuel Lines
Bus Bar (for remote mounted breakers)	Restriction Gauge (for fuel/water separator)
Enclosed Remote Mounted Circuit Breakers	
☐ NEMA 1 (15-5000 A)	Literature
☐ NEMA 3R (15-1200 A)	General Maintenance
Engine Type	□ NFPA 110
☐ KDxxxx Tier 2 EPA-Certified Engine	Overhaul
	☐ Production
Approvals and Listings	Miscellaneous
☐ California HCAI Pre- Approval	Air Cleaner, Heavy Duty (loose)
CSA Certified	☐ Air Cleaner Restriction Indicator
☐ IBC Seismic Certification	☐ Alternator Air Filter (will reduce generator set rating by 7%)
☐ UL 2200 Listing	☐ Automatic Oil Replenishment System
☐ cULus	☐ Engine Fluids (oil and coolant) Added
Florida Dept. of Environmental Protection (FDEP) Compliance (fuel tanks only)	Rated Power Factor Testing
☐ Hurricane Rated Enclosure	Electrical Package (Requires Enclosure selection) Basic Electrical Package (select 1 Ph or 3 Ph)
Enclosed Unit	☐ Wire Battery Charger (1 Ph)
☐ Sound Level 1 Enclosure/Fuel Tank Package	☐ Wire Block Heater (select 1 Ph or 3 Ph)
Sound Level 2 Enclosure/Fuel Tank Package	☐ Wire Controller Heater (1 Ph)
Open Unit	☐ Wire Generator Heater (1 Ph)
Exhaust Silencer, Critical (kits: PA-361625 qty. 2)	Warranty (Standby Applications only)
Exhaust Silencer, Hospital (kits: PA-361626 qty. 2)	5-Year Basic Limited Warranty
Flexible Exhaust Connector, Stainless Steel	5-Year Comprehensive Limited Warranty
Controller	☐ 10-Year Major Components Limited Warranty
☐ Input/Output, Digital	Other
☐ Input/Output, Thermocouple (standard on 4160 V)	
☐ Load Shed (APM802 only)	
Manual Key Switch	
Remote Emergency Stop Switch	Dimensions and Weights
Lockable Emergency Stop Switch	Overall Size, max., L x W x H, mm (in.): 5799 x 2382 x 2580
Remote Serial Annunciator Panel	(228.3 x 93.8 x 101.6)
Cooling System	Weight, radiator model, max. wet, kg (lb.): 13123 (28943)
☐ Block Heater; 9000 W, 208 V, (Select 1 Ph or 3 Ph) *	·
Block Heater; 9000 W, 240 V, (Select 1 Ph or 3 Ph) *	
☐ Block Heater; 9000 W, 380 V, 3 Ph *	
Block Heater; 9000 W, 480 V, (Select 1 Ph or 3 Ph) *	
* Required for ambient temperatures below 10°C (50°F).	
Block heater kit includes air intake manifold grid heater.	



KOHLER CO., Kohler, Wisconsin 53044 USA Phone 920-457-4441, Fax 920-459-1646 For the nearest sales and service outlet in the US and Canada, phone 1-800-544-2444 KOHLERPower.com

Sound Enclosures and Subbase Fuel Tank

Sound Level 1 Enclosure Standard Features

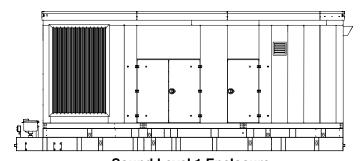
- Lift base or tank-mounted, aluminum construction enclosure with internal-mounted, exhaust silencers.
- Every enclosure has a sloped roof to reduce the buildup of moisture and debris.
- Sound attenuated enclosure that offers noise reduction using acoustic insulation, acoustic-lined air inlets and an acoustic-lined air discharge.
- Fade-, scratch-, and corrosion-resistant Kohler[®] Power Armor[™] automotive-grade textured finish.
- Acoustic insulation that meets UL 94 HF1 flammability classification.
- Enclosure has large access doors that are hinged and removable which allow for easy maintenance.
- Lockable, flush-mounted door latches.
- · Air inlet louvers reduce rain and snow entry.
- High wind bracing, 241 kph (150 mph).

Sound Level 2 Enclosure Standard Features

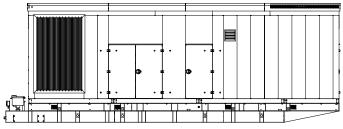
- Includes all of the sound level 1 enclosure features with the addition of up to 51 mm (2 in.) acoustic insulation material, intake sound baffles, vertical air discharge, and secondary silencers
- Louvered air inlet and vertical outlet hood with 90 degree angles to redirect air and reduce noise.

Subbase Fuel Tank Features

- The fuel tank has a black powder-coat finish texture.
- The above-ground rectangular secondary containment tank mounts directly to the generator set, below the generator set skid (subbase).
- Both the inner and outer tanks have UL-listed emergency relief vents.
- Flexible fuel lines are provided with subbase fuel tank selection.
- The containment tank's construction protects against fuel leaks or ruptures. The inner (primary) tank is sealed inside the outer (secondary) tank. The outer tank contains the fuel if the inner tank leaks or ruptures.
- The above ground secondary containment subbase fuel tank meets UL 142 requirements.
- Features include:
 - Additional fittings for optional accessories (qty. 3)
 - O Electrical stub-up area open to bottom
 - o Emergency inner and outer tank relief vents
 - O Fuel fill with lockable cap and 51 mm (2 in.) riser
 - O Fuel leak detection switch
 - O Fuel level mechanical gauge
 - Fuel level sender
 - Normal vent
 - O Removable engine supply and return diptubes

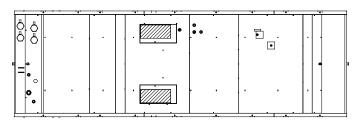


Sound Level 1 Enclosure (Shown with available spill containment)



Sound Level 2 Enclosure

(Shown with available spill containment)



Subbase Fuel Tank (Top View)

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