

Model: 350REOZD

KOHLER POWER SYSTEMS

4-Cycle 190-600 V Diesel



Ratings Range

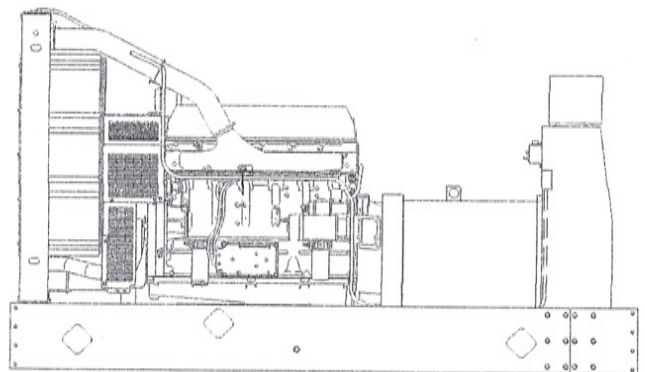
		60 Hz	50 Hz
Standby:	kW	305-365	288-328
	kVA	381-456	360-410
Prime:	kW	275-335	268-296
	kVA	344-419	335-370

Generator Ratings

Generator	Voltage	PH	Hz	150°C Standby Rating kW/kVA	130°C Standby Rating kW/kVA	125°C Prime Rating kW/kVA	105°C Prime Rating kW/kVA
4M4019	120/208	3	60	355/444	350/438	325/406	325/406
	127/220	3	60	355/444	355/444	325/406	325/406
	139/240	3	60	355/444	355/444	325/406	325/406
	220/380	3	60	305/381	305/381	275/344	275/344
	240/416	3	60	355/444	350/438	325/406	325/406
	277/480	3	60	355/444	355/444	325/406	325/406
	110/190	3	50	316/395	300/375	292/365	284/355
	115/200	3	50	316/395	292/365	292/365	272/340
	120/208	3	50	312/390	288/360	288/360	268/335
	220/380	3	50	316/395	300/375	292/365	284/355
4M4021	230/400	3	50	316/395	292/365	292/365	272/340
	240/416	3	50	312/390	288/360	288/360	268/335
	120/208	3	60	360/450	360/450	325/406	325/406
	127/220	3	60	360/450	360/450	325/406	325/406
	139/240	3	60	360/450	360/450	325/406	325/406
	220/380	3	60	315/394	315/394	285/356	285/356
	240/416	3	60	360/450	360/450	325/406	325/406
	277/480	3	60	360/450	360/450	325/406	325/406
	110/190	3	50	320/400	320/400	292/365	292/365
	115/200	3	50	320/400	320/400	292/365	292/365
5M4027	120/208	3	50	320/400	320/400	292/365	292/365
	220/380	3	50	320/400	320/400	292/365	292/365
	230/400	3	50	320/400	320/400	292/365	292/365
	240/416	3	50	320/400	320/400	292/365	292/365
	120/208	3	60	365/456	365/456	330/413	330/413
	127/220	3	60	365/456	365/456	330/413	330/413
	139/240	3	60	360/450	360/450	325/406	325/406
	220/380	3	60	365/456	365/456	330/413	330/413
	240/416	3	60	365/456	365/456	330/413	330/413
	277/480	3	60	360/450	360/450	325/406	325/406
4M4158	110/190	3	50	324/405	324/405	296/370	296/370
	115/200	3	50	324/405	324/405	296/370	296/370
	120/208	3	50	324/405	324/405	296/370	296/370
	220/380	3	50	324/405	324/405	296/370	296/370
	230/400	3	50	324/405	324/405	296/370	296/370
	240/416	3	50	324/405	324/405	296/370	296/370
4M4162	220/380	3	60	360/450	360/450	325/406	325/406
4M4266	347/600	3	60	360/450	360/450	325/406	325/406
5M4272	347/600	3	60	365/456	365/456	330/413	330/413

Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- At 60 Hz the generator set accepts rated load in one step.
- The 60 Hz generator set engine is certified by the Environmental Protection Agency (EPA).
- A one-year limited warranty covers all systems and components. Two-, five-, and ten-year extended warranties are also available.
- Generator features:
 - The brushless, rotating-field generator has broadrange reconnectability.
 - The pilot-excited, permanent-magnet generator (PMG) provides superior short-circuit capability.
- Other features:
 - Controllers are available for all applications. See controller features inside.
 - Low coolant level shutdown prevents overheating.
 - Integral vibration isolation eliminates the need for under-unit vibration spring isolators.
 - An electronic, isochronous governor delivers precise frequency regulation.
 - Electronic engine controls manage the engine.



RATINGS: All three-phase units are rated at 0.8 power factor. **Standby Ratings:** Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. **Prime Power Ratings:** Prime power ratings apply to installations where utility power is unavailable or unreliable. At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271. For limited running time and base load ratings, consult the factory. Obtain the technical information bulletin (TIB-101) on ratings guidelines for the complete ratings definitions. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. **NOTE:** Order separate generator set specs for 50 or 60 Hz as this model cannot change frequency. **GENERAL GUIDELINES FOR DERATION:** Altitude: Derate 1.5% per 305 m (1000 ft.) elevation above 183 m (600 ft.). Temperature: Derate 1.0% per 5.5°C (10°F) temperature above 25°C (77°F). For radiator cooling system capacity, derate 1.4°C (2.5°F) per 305 m (1000 ft.) elevation above 183 m (600 ft.).

Application Data

Controllers

Cooling (Standard Radiator)

Cooling System	60 Hz	50 Hz
Ambient temperature, °C (°F)*	50 (122)	
Engine jacket water capacity, L (gal.)	22.7 (6.0)	
Radiator system capacity, including engine, L (gal.)	45.4 (12)	
Engine jacket water flow, Lpm (gpm)	363 (96)	303 (80)
Heat rejected to cooling water at rated kW, dry exhaust, kW (Btu/min.)	158 (8991)	135 (7667)
Heat rejected to charge cooling water at rated kW, dry exhaust, kW (Btu/min.)	103 (5873)	84 (4763)
Water pump type	Centrifugal	
Fan diameter, including blades, mm (in.)	991 (39)	
Fan, kWm (HP)	22 (30)	13 (18)
Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H ₂ O)	0.125 (0.5)	

* Weather housing reduces ambient temperature capability by 6°C (10°F).

Operation Requirements

Air Requirements	60 Hz	50 Hz
Radiator-cooled cooling air, m ³ /min. (scfm)†	561 (19800)	467 (16500)
Combustion air, m ³ /min. (cfm)	34 (1205)	27 (945)
Heat rejected to ambient air:		
Engine, kW (Btu/min.)	55 (3120)	50 (2811)
Generator, kW (Btu/min.)	24 (1380)	22 (1250)

† Air density = 1.20 kg/m³ (0.075 lbm/ft³)

Fuel Consumption	60 Hz	50 Hz
Diesel, Lph (gph) at % load	Standby Rating	
100%	96.5 (25.5)	81.4 (21.5)
75%	68.9 (18.2)	60.2 (15.9)
50%	46.2 (12.2)	40.9 (10.8)
25%	25.0 (6.6)	22.3 (5.9)
Diesel, Lph (gph) at % load	Prime Rating	
100%	85.6 (22.6)	73.0 (19.3)
75%	62.7 (16.6)	54.9 (14.5)
50%	42.3 (11.2)	37.5 (9.9)
25%	23.1 (6.1)	20.6 (5.4)



Available Controllers

Decision-Maker™ 340 Controller

Audio/visual annunciation with NFPA 110 Level 1 capability. Programmable microprocessor logic and digital display features. 12- or 24-volt engine electrical system capability. Remote start, prime power, remote annunciation, and remote communication options.

Decision-Maker™ 3+, 16-Light Controller

Audio/visual annunciation with NFPA 110 Level 1 capability. Microprocessor logic, AC meters, and engine gauge features. 12- or 24-volt engine electrical system capability. Remote start, prime power, and remote annunciation options.

Decision-Maker™ 3+, 7-Light Controller

Audio/visual annunciation with NFPA 110 Level 2 capability. Microprocessor logic, AC meters, and engine gauge features. 12- or 24-volt engine electrical system capability. Remote start, prime power, and remote annunciation options.

Engine Gauge Box Controller for Paralleling Switchgear

Generator set-to-switchgear interface for paralleling switchgear applications. Engine gauges and emergency stop switch features. 12- or 24-volt engine electrical system capability.

NOTE: See the respective controller spec sheet for additional controller features and accessories.

Standard Features and Accessories

Standard Features

- Battery Rack and Cables
- Electronic, Isochronous Governor
- Emission Compliant Engine
- Integral Vibration Isolation
- Oil Drain Extension
- Operation and Installation Literature

Accessories

Enclosed Unit

- ☒ Exhaust Silencer
- ☒ Silencer Mounting Kit for Weather Housing
- ☒ Tail Pipe and Rain Cap Kit
- ☒ Weather Housing (with skid end caps)

Open Unit

- ☐ Exhaust Silencer
- ☐ Flexible Exhaust Connector, Stainless Steel

Cooling System

- ☒ Block Heater
- ☐ Radiator Duct Flange

Fuel System

- ☐ Day Tanks
- ☒ Flexible Fuel Lines
- ☐ Fuel Pressure Gauge
- ☐ Fuel/Water Separator with Prime Feature
- ☐ Hand Primer Pump
- ☒ Subbase Fuel Tanks

Electrical System

- ☒ Battery
- ☒ Battery Charger, Equalize/Float Type *24 volt - 3amp*
- ☐ Battery Heater

Engine and Generator

- ☐ Air Cleaner, Heavy Duty
- ☐ Air Cleaner Restriction Indicator
- ☐ Bus Bar Kits
- ☐ Crankcase Emission Canister
- ☐ Generator Strip Heater
- ☒ Line Circuit Breaker (NEMA1 enclosure) *1200 AMP*
- ☐ Line Circuit Breaker with Shunt Trip (NEMA1 enclosure)
- ☐ Optional Generators
- ☐ Rated Power Factor Testing
- ☒ Safeguard Breaker
- ☒ Skid End Caps

Paralleling System

- ☐ Load-Sharing Module
- ☐ Reactive Droop Compensator
- ☐ Voltage Regulator Relocation Kit

Maintenance and Literature

- ☒ General Maintenance Literature Kit *1 set*
- ☐ Maintenance Kit (includes air, oil, and fuel filters)
- ☐ NFPA 110 Literature
- ☐ Overhaul Literature Kit
- ☐ Production Literature Kit

Controller (Decision-Maker™ 340 and Decision-Maker™ 3+)

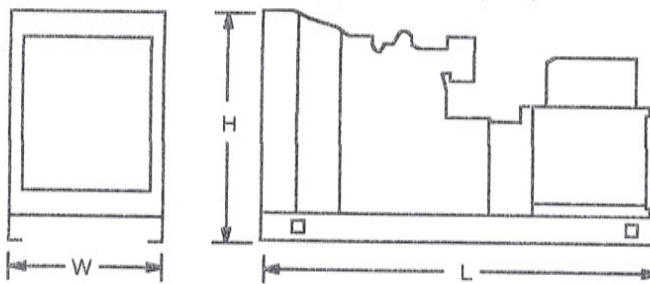
- ☐ Common Failure Relay Kit
- ☐ Communications Products and PC Software (Decision-Maker™ 340 controller only)
- ☐ Customer Connection Kit
- ☐ Dry Contact Kit (isolated alarm)
- ☒ Engine Prealarm Sender Kit
- ☐ Prime Power Switch (Decision-Maker™ 340 controller only)
- ☒ Remote Annunciator Panel
- ☐ Remote Audio/Visual Alarm Panel
- ☐ Remote Emergency Stop Kit
- ☐ Remote Mounting Cables
- ☐ Run Relay Kit

Miscellaneous Accessories

- ☐
- ☐
- ☐
- ☐
- ☐
- ☐

WEIGHTS AND DIMENSIONS

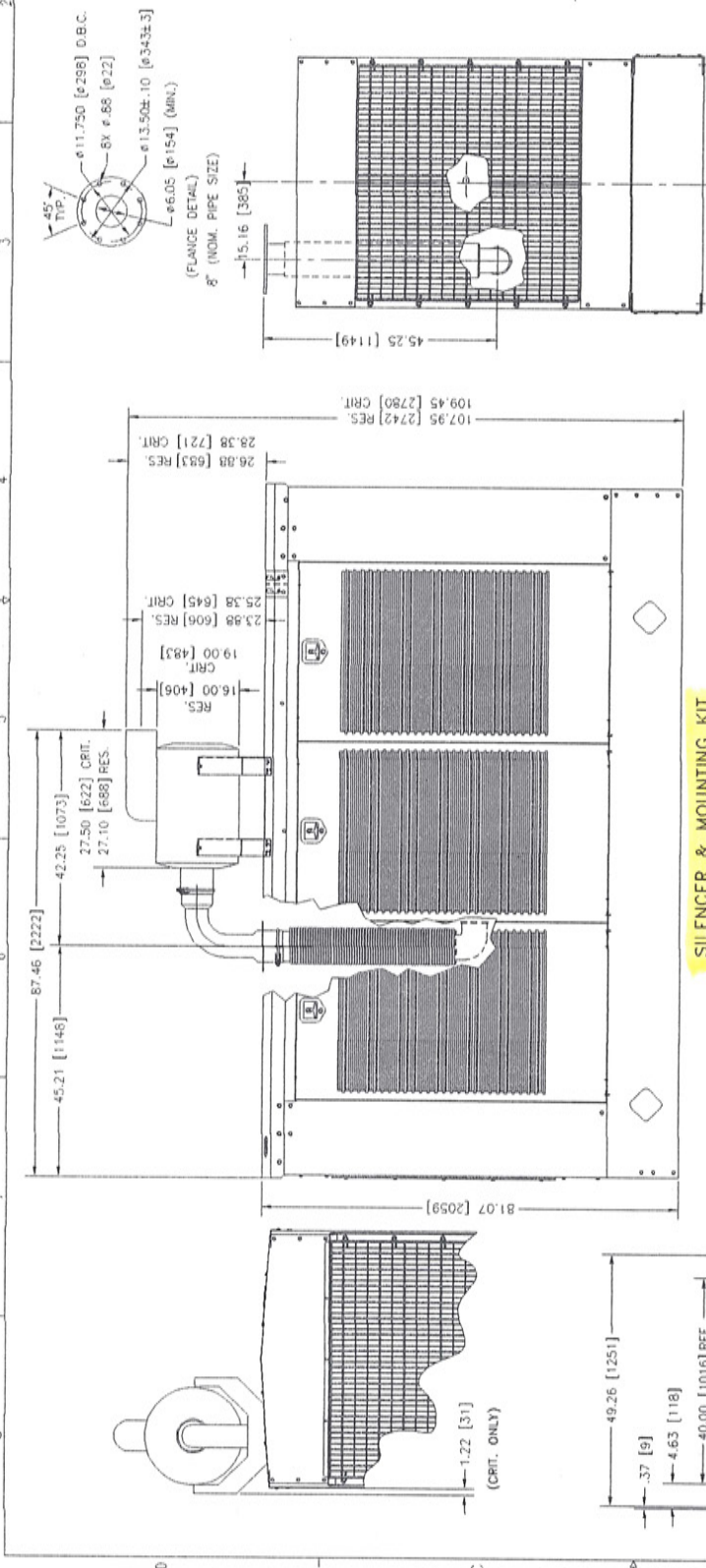
Overall Size, L x W x H, mm (in.): 3416 x 1270 x 1953
 (134.5 x 50.0 x 76.9)
 Weight (radiator model), wet, kg (lb.): 3641 (7630)



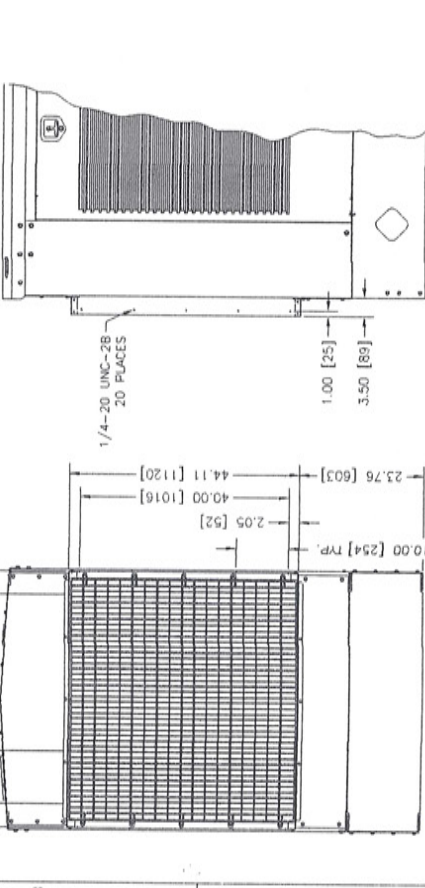
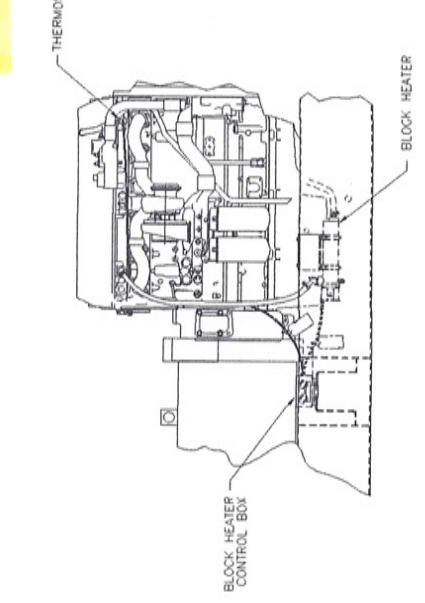
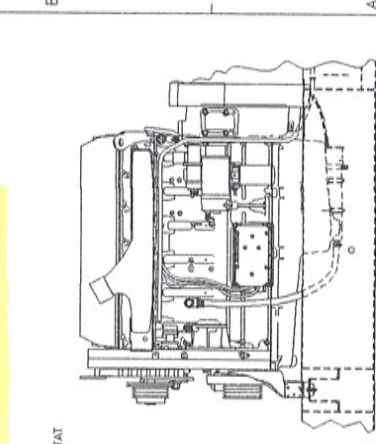
NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

DISTRIBUTED BY:

REV	DATE	DESCRIPTION	BY	CHK
1	12-22-83	REV. 4000 P. 1 OF 1 (REV. 3)		
2	12-22-83	REV. 4000 P. 2 OF 1 (REV. 3)		
3	12-22-83	REV. 4000 P. 3 OF 1 (REV. 3)		
4	12-22-83	REV. 4000 P. 4 OF 1 (REV. 3)		
5	12-22-83	REV. 4000 P. 5 OF 1 (REV. 3)		
6	12-22-83	REV. 4000 P. 6 OF 1 (REV. 3)		
7	12-22-83	REV. 4000 P. 7 OF 1 (REV. 3)		
8	12-22-83	REV. 4000 P. 8 OF 1 (REV. 3)		
9	12-22-83	REV. 4000 P. 9 OF 1 (REV. 3)		
10	12-22-83	REV. 4000 P. 10 OF 1 (REV. 3)		



FLEXIBLE EXHAUST CONNECTOR



KOHLER CO.
 350/400 MODEL
 RECONNECTABLE, 600V
 STARTING) & 600V IMS
 DUC SERIES 60 DIESEL

DIMENSION PRINT

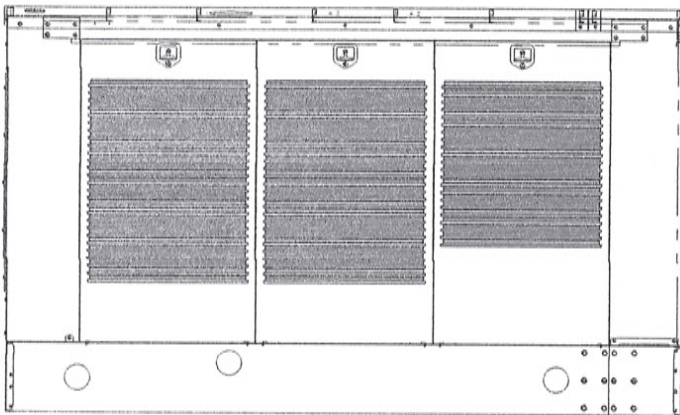
ADV-6389

GENERATOR ACCESSORIES

KOHLER POWER SYSTEMS

Weather Housings

9001
KOHLER
GENERATORS
INTERNATIONALLY REGISTERED

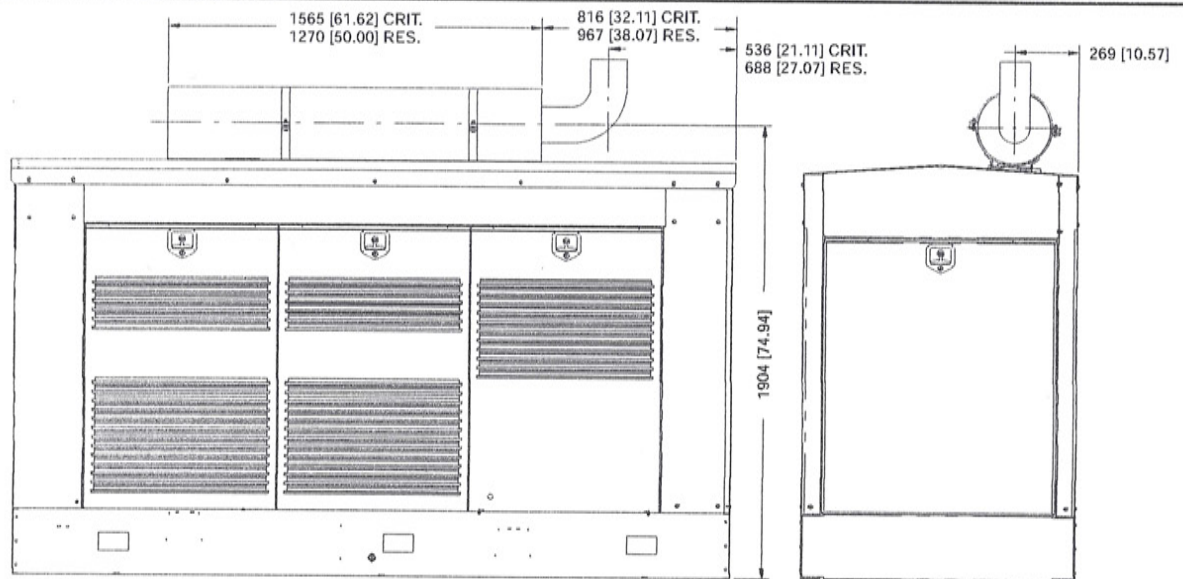


Applicable to the following:

200REOZP

230-400REOZD

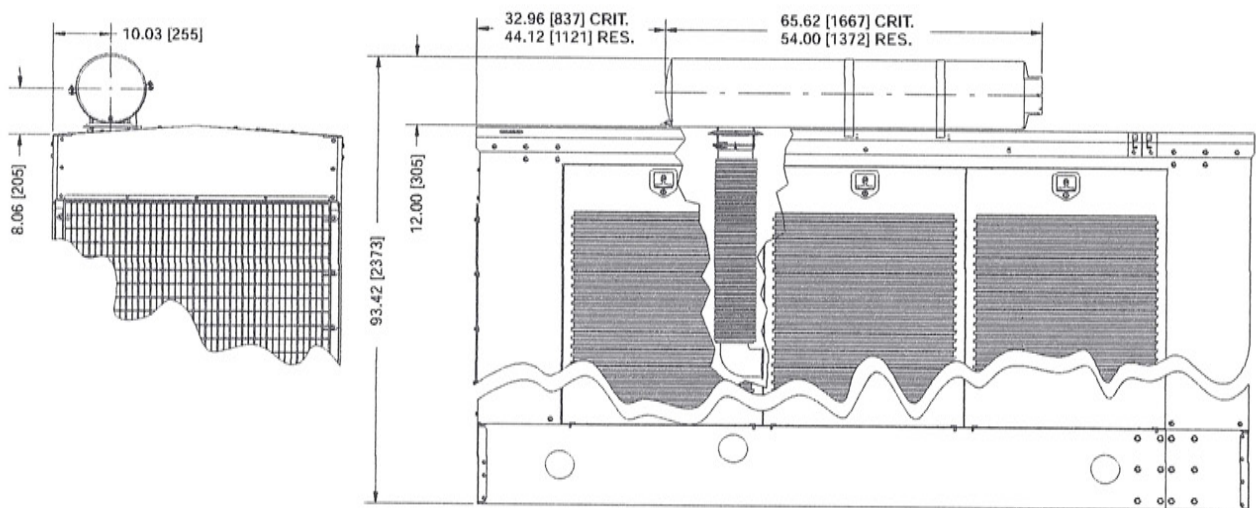
- D** Kohler weather housings protect stationary and mobile generator sets from rain, snow, and sleet.
- D** Rust-inhibiting primer protects the inside and outside surfaces of these rugged 14- to 18-gauge steel construction weather housings. The weather housing outside surface has a top coat of Kohler cream beige and black enamel. Field-installed kits ship with an electro-coat gray primer.
- D** Easy-to-remove side panels allow convenient access for generator set service. Lockable latch panels prevent tampering. The skid end cap kit protects the generator set from weather and deters entry by animals.
- D** Louvers at the generator and radiator ends supply ample cooling air flow, eliminating the need to remove the side panels for additional air circulation.
- D** Weather housing accessories include a silencer mounting kit for mounting the silencer on top of the weather housing.



Dimensions: mm [in.]

200REOZP with Optional Silencer and Mounting

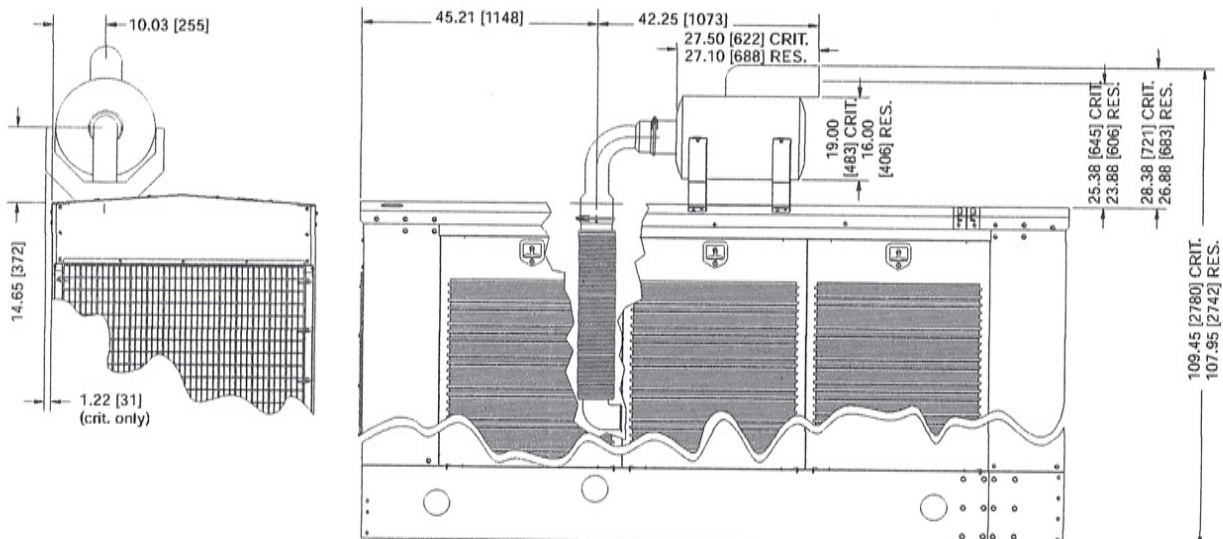
ADV-6476E-B



Dimensions: in. [mm]

230-275REOZD with Optional Silencer and Mounting

ADV-6361B-D



Dimensions: in. [mm]

300-400REOZD with Optional Silencer and Mounting

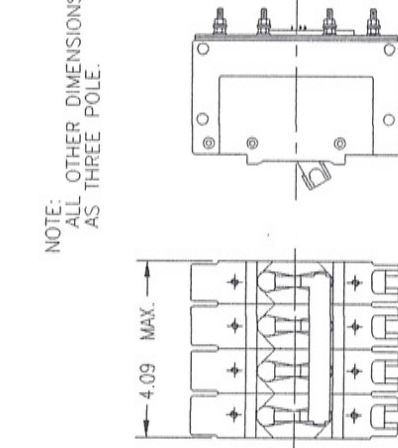
ADV-6361B-D
ADV-6389D-E

ART NO.	REV. LEVEL	F.L. AMPS	TYPE
-796-1	T	4.0	THREE POLE
-796-2	T	4.5	THREE POLE
-796-3	T	3.5	THREE POLE
-796-4	T	3.0	THREE POLE
-796-5	T	2.5	THREE POLE
-796-6	T	5.0	THREE POLE

REV	DATE	REVISION	BY
P	10-13-86	X-796-5 VOIDED	JC
R	6-12-89	REDESIGN	JC
S	12-1-88	"WIPING" WAS "WIRING"	VM
T	2-12-86	(0-4) TRIP AMPS COLUMN REMOVED. [44831]	LRH

REVISION BLOCK INDICATES REVISION LEVEL OF DRAWING ONLY. SEE PART REVISION LEVEL BEHIND PART NUMBER FOR CURRENT PART REVISION LEVEL.

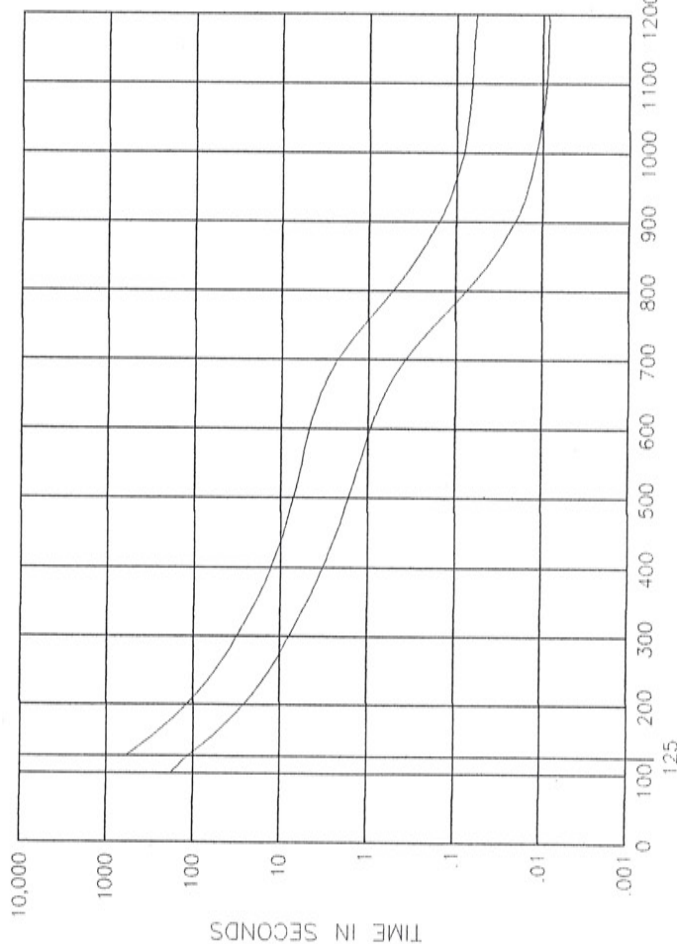
NOTE: ALL OTHER DIMENSIONS TYPICAL AS THREE POLE.



FOUR POLE

THREE POLE

TEST TEMP. 25 ± 5 C.



SPECIFICATIONS:

1. SPECIAL CURVE TO MEET CURVE DATA AS SHOWN.
2. VENDOR TO SUPPLY CERTIFICATE OF COMPLIANCE THAT BREAKER WILL OPERATE WITHIN CURVE LIMITS.
3. MUST BE UL LISTED OR RECOGNIZED.
4. 3 POLES - 3 CONTACTS, 3 COILS 240 VOLTS - RELAY TRIP.
5. CONTACT DATA
 - A. 50 AMP RATING
 - B. THE NUMBER 50 MAY APPEAR ON THE FRONT OF THE BREAKER BECAUSE OF UL REQUIREMENTS.
 - C. MAXIMUM CONTACT RESISTANCE 0 TO 0.20 OHMS
 - D. CONTACTS TO CARRY .5 AMPS AT 12 VOLTS D.C.
 - E. CONTACTS MUST HAVE WIPING ACTION.

UNLESS OTHERWISE SPECIFIED - DIMENSIONS ARE IN INCHES FRACTIONS ±		DATE	APPROVALS
IN ± .005	1/16 ± .015	9-7-76	DRN
IN ± .003	1/8 ± .010	11-10-76	EB
IN ± .002	1/4 ± .005	11-10-76	LB

KOHLER CO. GENERATOR DIVISION, KOHLER, WI 53044 U.S.A. THIS DRAWING, IN DESIGN AND DETAIL, IS KOHLER CO. PROPERTY AND MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM KOHLER CO.		SCALE	FULL	DATE	1-1
BREAKER, CIRCUIT		NO. NO.	X-796 DWG	SHEET	1-1
		REV. NO.	X-796		Cg

Accessories

All accessories are UL listed unless otherwise specified. All KD- accessories are installed on switches with NEMA type 1 enclosures unless otherwise specified and all PA- accessories are loose accessories. Accessories for separate mounting are wired into the electrical controls but not installed on the enclosure, if any, as in the case of open units. Some KD- accessories may have additional suffixes that specify such things as the transfer switch voltage, frequency, phase, amperage, or other enclosure types.

Installed Accessories

Plant Exerciser

Plant exerciser accessories provide a choice of 7-day, 14-day, calendar-based, or manual one-time exercise modes and an override function that allows the user to terminate the exercise at any time. The generator set run time is adjustable from 0 to 72 hours in one-minute increments. Manual one-time exerciser allows the option to exercise the generator set loaded or unloaded.

- ☐ KD-23-C Plant exerciser runs the generator set unloaded.
- ☐ KD-23-D Plant exerciser runs the generator set loaded.
- ☒ KD-23-G Plant exerciser includes a two-position selector switch that determines if the generator set runs unloaded or loaded.

Auxiliary Contacts, Relay

Isolated form C auxiliary relay contacts operate when controller power is available. Accessory KD-14-G is a ten-relay kit. Accessories KD-H, J, K, L, M, N, P, and R are single-relay kits. Each contact is rated

10 A @ 120 VAC resistive or 10 A @ 28 VDC maximum,
10 milliamperes @ 28 VDC minimum.

NOTE: The transfer switch can have a maximum of one KD-14-G and two KD-14-H through KD-14-R accessories in any combination.

- ☐ KD-14-G Indicates contactor in the normal position, contactor in the emergency position, normal source available (2 contacts), emergency source available (2 contacts), programming mode not in Off, and system alert (2 contacts).
- ☐ KD-14-H Indicates contactor in the normal position.
- ☐ KD-14-J Indicates contactor in the emergency position.
- ☐ KD-14-K Indicates normal source available.
- ☐ KD-14-L Indicates emergency source available.
- ☐ KD-14-M Indicates ATS not in automatic mode.
- ☐ KD-14-N Indicates programming mode not in Off.
- ☐ KD-14-P Indicates system alert condition.
- ☐ KD-14-R Indicates load bank control is active.

Auxiliary Contacts, Main Contactor Shaft Position

Main shaft auxiliary contacts operate with the transfer switch main contacts and provide a positive indication of contactor position. Each contact is rated 20 amps, 125/250 VAC. Additional auxiliary contacts are not available on bypass isolation switches.

- ☐ KD-15-E One additional contact closed on normal for 30-150 and 600-800 amp switches.
- ☐ KD-15-F One additional contact closed on emergency for 30-150 and 600-800 amp switches.
- ☐ KD-15-G Two additional contacts closed on normal for 30-150 and 600-800 amp switches.
- ☐ KD-15-H Two additional contacts closed on emergency for 30-150 and 600-800 amp switches.
- ☐ KD-15-J Three additional contacts closed on normal for 30-150 and 600-800 amp switches.
- ☐ KD-15-K Three additional contacts closed on emergency for 30-150 and 600-800 amp switches.

Auxiliary Contacts, Main Contactor Shaft Position, continued

- ☐ KD-15-L Two additional contacts closed on normal and two additional contacts closed on emergency for 225-400 and 1000-4000 amp switches.
- ☐ KD-15-M Three additional contacts closed on normal and three additional contacts closed on emergency for 225-400 amp switches.

Battery Chargers

2-ampere maximum charge rate with automatic adjustable float.

- ☐ KD-24-xxA 12 VDC battery charger.
- ☐ KD-24-xxB 24 VDC battery charger.

xx Voltage- and frequency-dependent code.

Source Monitors, Emergency

- ☒ KD-5-K Emergency source three-phase sensing.

Time Delay Override Switches

- ☐ KD-8-C Pushbutton bypasses time delay emergency to normal (TDEN) and allows manual transfer at any time after the normal power source is restored. Not necessary if the switch is ordered with KD-29-P, R, S, or T.
- ☐ KD-8-D Pushbutton bypasses time delay normal to emergency (TDNE) and allows manual transfer at any time after the emergency power source is restored. Not necessary if the switch is ordered with KD-29-P or R.

Test Switches, 2-Position

This accessory replaces the standard pushbutton test switch.

- ☐ KD-6-F Two-position key-operated test switch interrupts normal power source sensing to simulate a normal power source failure when the switch is in the TEST position. Momentary TEST position, maintained AUTO (automatic) position.

Test Switches, 3-Position

This accessory replaces the standard pushbutton test switch. A three-position test switch permits three modes of operation. The TEST WITH LOAD position simulates a normal power source failure. ENGINE START position closes engine start circuit. The AUTO (automatic) position returns the switch to automatic operation. Momentary TEST WITH LOAD position, maintained AUTO (automatic) and ENGINE START positions.

- ☐ KD-6-N Test switch.
- ☐ KD-6-P Test switch, key-operated.

Test Switches, 4-Position

This accessory replaces the standard pushbutton test switch. A four-position selector switch permits four modes of switch operation: TEST, AUTO, OFF, and ENGINE START. The OFF position de-energizes the control circuitry and opens the engine-start circuit. The transfer switch does not operate nor does the engine start on power source failure. The TEST position simulates a normal power failure. The AUTO position returns the transfer switch to automatic operation. The ENGINE START position closes the engine-start circuit. The switch transfers only if the normal power source fails. Momentary TEST, maintained AUTO, OFF, and ENGINE START positions.

- ☐ KD-7-D Test switch.
- ☐ KD-7-F Test switch, key-operated.

Communication Accessories

Communication Products for Monitoring and Control

Communication accessories allow monitoring or control of the transfer switch using a personal computer (PC) and software. Monitor and control an ATS locally through a local single connection or a local area network connection of transfer switch controllers, generator set controllers, or power monitors; or remotely using modems and telephone lines with single or network connections. See one of the spec sheets for Generator System Monitoring and Control, G6-35 (DOS) or G6-38 (Win 95/NT) for more information.

- ☐ KD-51-A RS-485 communication module for ATS controller.
- ☐ KD-51-B RS-232 communication module for ATS controller.
- ☐ PA-352249 External RS-232 to RS-485 port converter for controller. Add cable kit PA-294992 for connection to a PC. 120 VAC, 60 Hz.
- ☐ PA-294992 RS-232 cable and adapters to connect a PC directly to an RS-232 communication module or RS-232 to RS-485 port converter.
- ☐ PA-294864 External modem kit for PC*. Includes 10 ft. RS-232 cable. 120 VAC, 60 Hz.
- ☐ PA-294865 External modem kit for controller*. Includes 10 ft. RS-232 cable. 120 VAC, 60 Hz.
- ☐ PA-353073 External modem kit for PC*. Includes 10 ft. RS-232 cable. 220 VAC, 50 Hz.
- ☐ PA-353074 External modem kit for controller*. Includes 10 ft. RS-232 cable. 220 VAC, 50 Hz.
- ☐ PA-354235 Software kit for monitoring and control, PC compatible, DOS version.
- ☐ PA-361725 Software kit for monitoring and control, PC compatible, Win 95/98/NT version.

* Minimum operating temperature of these accessories 32°F (0°C).

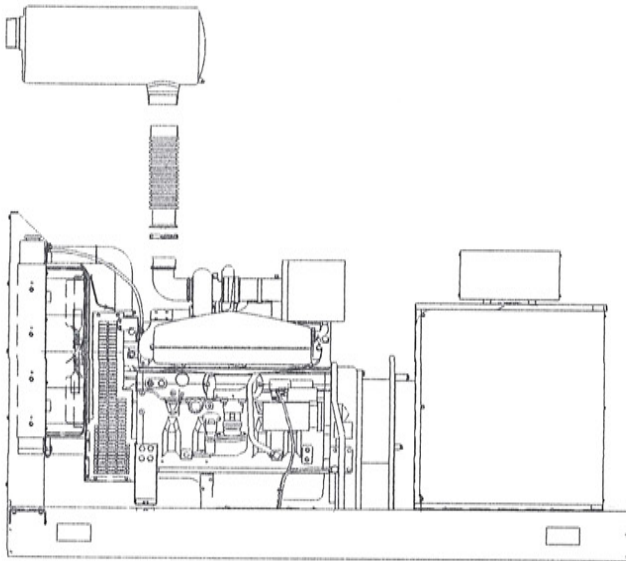
Engineering Special Accessories

The following accessories are available only on engineering specials.

Preferred-Source Switches

Two-position selector switch or programmable timer selects either the normal or emergency power source as the preferred source, the source the switch always transfers to if acceptable.

- ☐ KD-10-B Two-position selector switch manually selects the preferred source. For use with either two commercial power sources or one commercial power source and one generator set.
- ☐ KD-10-D Two-position selector switch manually selects the preferred source. For use when both power sources are generator sets.
- ☐ KD-10-G A 14-day programmable solid-state digital timer alternately selects the preferred source on a timed schedule. For use when both power sources are generator sets. 50/60 Hz.



- Kohler Co. offers silencers rated for industrial, residential, critical, and hospital applications and stainless steel flexible exhaust connectors for unhoused generator sets. The accessories described in this spec sheet apply to open units unless otherwise stated. These silencers withstand exhaust flow pressure and temperature without creating excessive engine backpressure.
- Industrial silencers reduce total engine exhaust noise by an estimated 12-18 dB(A). Use industrial silencers for minimal silencing where ambient noise is medium to high.
- Residential silencers reduce total engine exhaust noise by an estimated 18-25 dB(A). Use residential silencers for moderate silencing.
- Critical silencers reduce total engine exhaust noise by an estimated 25-35 dB(A). Use critical silencers for a high degree of silencing where ambient noise is low.
- Hospital silencers reduce total engine exhaust noise by an estimated 32-42 dB(A). Use hospital silencers for maximum silencing where ambient noise is low.

Selecting a Silencer and Exhaust System

Select the desired silencer based on the required degree of exhaust noise reduction using the four silencer ratings described above. In addition, select the silencer inlet/outlet type using the Legend descriptions. **NOTE:** Some generator set models may not offer all exhaust system combinations.

Use the illustrations on the following pages for selecting the available silencer type and exhaust system configuration best suited for your application. Refer to your authorized distributor/dealer for silencer and component kit numbers and for silencer dimensions.

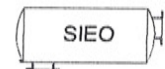
Backpressure Considerations

Consult the generator set spec sheet to determine the maximum allowable exhaust backpressure. Add the backpressure produced by the silencer and exhaust piping together to determine the total exhaust system backpressure. Contact an authorized distributor/dealer for calculating backpressure in the exhaust piping. Do not exceed the maximum allowable backpressure.

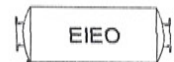
Legend

Use the information below for identifying the exhaust system components shown in the illustrations on the following pages.

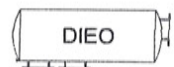
Side Inlet End Outlet (SIEO)



End Inlet End Outlet (EIEO)



Dual Side Inlet End Outlet (DIEO)



Flex Exhaust



Flex Exhaust (wye)



135-200ROZJ, 200REOZP, and 230-400REOZD

135-200ROZJ

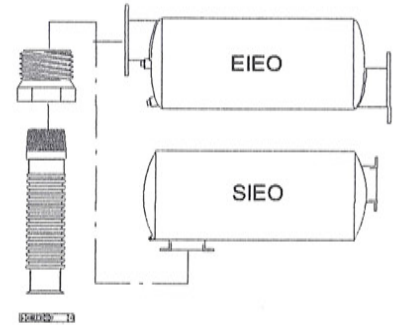
Exhaust System Kits

Flex Exhaust 5NPT*
Reducer Bushing 5NPTF/6NPTM
Critical Silencer EIEO 6NPT†
Critical Silencer SIEO 6NPT†
Residential Silencer EIEO 5NPT†
Residential Silencer SIEO 5NPT†

NOTE: The critical silencer requires a reducer bushing

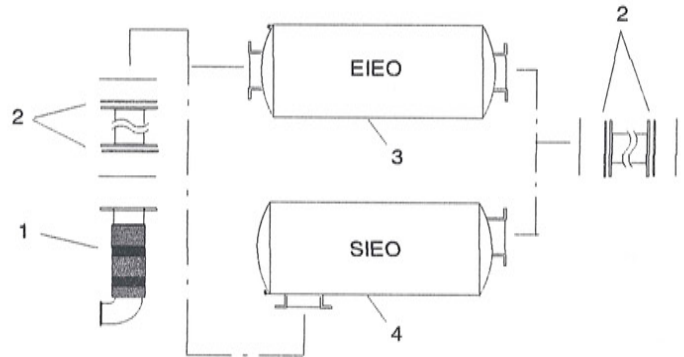
* Kit includes the exhaust clamp.

† Kit includes (1) silencer, (2) exhaust flanges, (2) gaskets, and the mounting hardware.



200REOZP

Item	Exhaust System Kits	Qty. in Kit
1	Flex Exhaust	1
2	Weld Flange‡	2
3	Critical Silencer EIEO	1
4	Critical Silencer SIEO	1
3	Hospital Silencer EIEO	1
4	Hospital Silencer SIEO	1
3	Industrial Silencer EIEO	1
4	Industrial Silencer SIEO	1
3	Residential Silencer EIEO	1
4	Residential Silencer SIEO	1



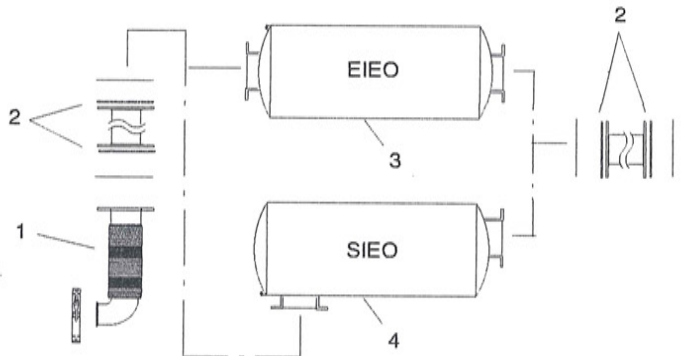
NOTE: The generator set includes the exhaust clamp.

‡ One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware.

See Weld Flange Kits on the last page for additional data.

230-400REOZD

Item	Exhaust System Kits	Qty. in Kit
1	Flex Exhaust§	1
2	Weld Flange	2
3	Critical Silencer EIEO	1
4	Critical Silencer SIEO	1
3	Hospital Silencer EIEO	1
4	Hospital Silencer SIEO	1
3	Industrial Silencer EIEO	1
4	Industrial Silencer SIEO	1
3	Residential Silencer EIEO	1
4	Residential Silencer SIEO	1



§ Kit includes the exhaust clamp.

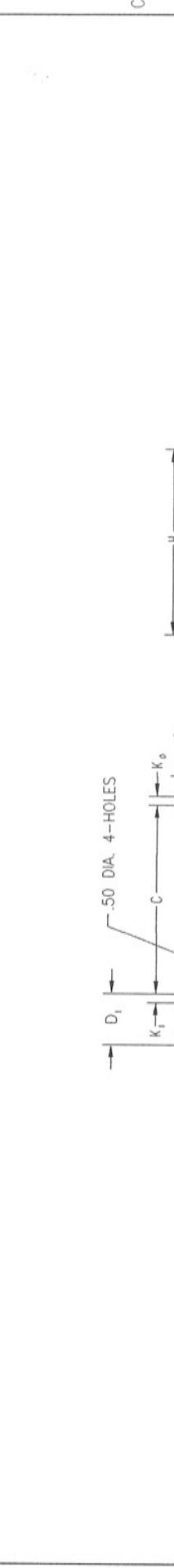
|| One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware.

See Weld Flange Kits on the last page for additional data.

PART NO.	REV.	A	B	C	D	E	G	H	K ₁	K ₂	WT. LBS	REF. SILENCER TYPE	INLET FLANGE REQ'D	MTG. TABS REQ'D
273773	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273774	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273775	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273776	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273777	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273778	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273779	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273780	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273781	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273782	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273783	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273784	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273785	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273786	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273787	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273788	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273789	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273790	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273791	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273792	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273793	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273794	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273795	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273796	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273797	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273798	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273799	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES
273800	M	6.0	8.0	2.5	1.0	1.0	1.0	1.0	1.0	1.0	44	RESIDENTIAL	YES	YES

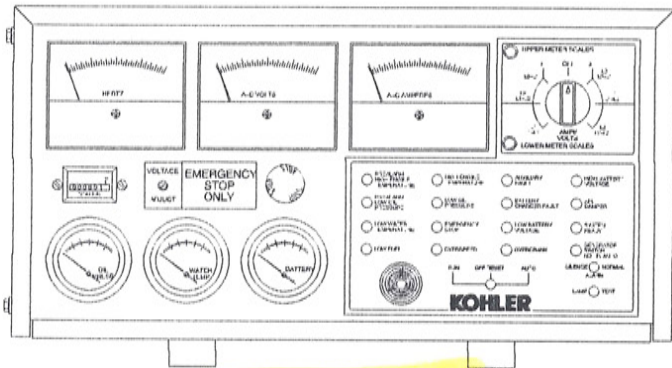
REV.	DATE	REVISION
J	1-16-91	TOLERANCES OF A & B DIMENSIONS REVISED
K	1-24-91	0, D ₁ , & K DIMS. REVISED; K ₁ COL. ADDED; K ₂ WAS K ₁
L	6-7-95	(A-3.4) FINISH NOTE ADDED. [42360]
M	8-15-96	(C-3) 2.12 LGTH. OF "A" DIA. ADDED [47481]
N	10-18-96	GENERIC TITLEBLOCK ADDED [48212]

REVISION BLOCK INDICATES REVISION LEVEL OF DRAWING ONLY. SEE PART REVISION LEVEL BEHIND PART NUMBER FOR CURRENT PART REVISION LEVEL.

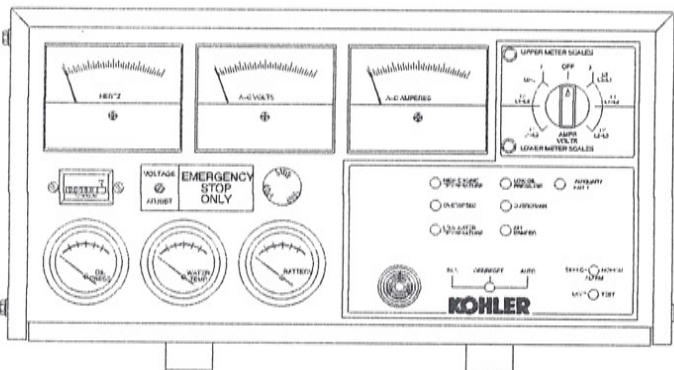


NOTES:
SHELL TO BE ALUMINUM COATED COLD ROLLED STEEL-16GA MIN
SILENCERS WITH FLANGED INLETS MUST INCLUDE A MATCHING COMPANION FLANGE AND FLANGE GASKET.
SILENCER MUST BE SUPPLIED PACKAGED SEPERATELY, IN A CORRUGATED CARTON SUITABLE FOR INDIVIDUAL RESHIPMENT OF SILENCER.
SILENCERS REQUIRING MOUNTING TABS MUST BE SUPPLIED WITH 4 MOUNTING TABS ATTACHED AT SPECIFIED LOCATIONS.
FINISH: HIGH HEAT BLACK

UNLESS OTHERWISE SPECIFIED - 1) TOLERANCES ARE: FRACTIONS 1/8 DECIMALS .005 ANGLES 1/2 SURFACE FINISH X 1.0 X 2.0 X 3.0 X 4.0 X 5.0 X 6.0 X 7.0 X 8.0 X 9.0 X 10.0 X 11.0 X 12.0 X 13.0 X 14.0 X 15.0 X 16.0 X 17.0 X 18.0 X 19.0 X 20.0 X 21.0 X 22.0 X 23.0 X 24.0 X 25.0 X 26.0 X 27.0 X 28.0 X 29.0 X 30.0 X 31.0 X 32.0 X 33.0 X 34.0 X 35.0 X 36.0 X 37.0 X 38.0 X 39.0 X 40.0 X 41.0 X 42.0 X 43.0 X 44.0 X 45.0 X 46.0 X 47.0 X 48.0 X 49.0 X 50.0 X 51.0 X 52.0 X 53.0 X 54.0 X 55.0 X 56.0 X 57.0 X 58.0 X 59.0 X 60.0 X 61.0 X 62.0 X 63.0 X 64.0 X 65.0 X 66.0 X 67.0 X 68.0 X 69.0 X 70.0 X 71.0 X 72.0 X 73.0 X 74.0 X 75.0 X 76.0 X 77.0 X 78.0 X 79.0 X 80.0 X 81.0 X 82.0 X 83.0 X 84.0 X 85.0 X 86.0 X 87.0 X 88.0 X 89.0 X 90.0 X 91.0 X 92.0 X 93.0 X 94.0 X 95.0 X 96.0 X 97.0 X 98.0 X 99.0 X 100.0 X 101.0 X 102.0 X 103.0 X 104.0 X 105.0 X 106.0 X 107.0 X 108.0 X 109.0 X 110.0 X 111.0 X 112.0 X 113.0 X 114.0 X 115.0 X 116.0 X 117.0 X 118.0 X 119.0 X 120.0 X 121.0 X 122.0 X 123.0 X 124.0 X 125.0 X 126.0 X 127.0 X 128.0 X 129.0 X 130.0 X 131.0 X 132.0 X 133.0 X 134.0 X 135.0 X 136.0 X 137.0 X 138.0 X 139.0 X 140.0 X 141.0 X 142.0 X 143.0 X 144.0 X 145.0 X 146.0 X 147.0 X 148.0 X 149.0 X 150.0 X 151.0 X 152.0 X 153.0 X 154.0 X 155.0 X 156.0 X 157.0 X 158.0 X 159.0 X 160.0 X 161.0 X 162.0 X 163.0 X 164.0 X 165.0 X 166.0 X 167.0 X 168.0 X 169.0 X 170.0 X 171.0 X 172.0 X 173.0 X 174.0 X 175.0 X 176.0 X 177.0 X 178.0 X 179.0 X 180.0 X 181.0 X 182.0 X 183.0 X 184.0 X 185.0 X 186.0 X 187.0 X 188.0 X 189.0 X 190.0 X 191.0 X 192.0 X 193.0 X 194.0 X 195.0 X 196.0 X 197.0 X 198.0 X 199.0 X 200.0 X 201.0 X 202.0 X 203.0 X 204.0 X 205.0 X 206.0 X 207.0 X 208.0 X 209.0 X 210.0 X 211.0 X 212.0 X 213.0 X 214.0 X 215.0 X 216.0 X 217.0 X 218.0 X 219.0 X 220.0 X 221.0 X 222.0 X 223.0 X 224.0 X 225.0 X 226.0 X 227.0 X 228.0 X 229.0 X 230.0 X 231.0 X 232.0 X 233.0 X 234.0 X 235.0 X 236.0 X 237.0 X 238.0 X 239.0 X 240.0 X 241.0 X 242.0 X 243.0 X 244.0 X 245.0 X 246.0 X 247.0 X 248.0 X 249.0 X 250.0 X 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626.0 X 627.0 X 628.0 X 629.0 X 630.0 X 631.0 X 632.0 X 633.0 X 634.0 X 635.0 X 636.0 X 637.0 X 638.0 X 639.0 X 640.0 X 641.0 X 642.0 X 643.0 X 644.0 X 645.0 X 646.0 X 647.0 X 648.0 X 649.0 X 650.0 X 651.0 X 652.0 X 653.0 X 654.0 X 655.0 X 656.0 X 657.0 X 658.0 X 659.0 X 660.0 X 661.0 X 662.0 X 663.0 X 664.0 X 665.0 X 666.0 X 667.0 X 668.0 X 669.0 X 670.0 X 671.0 X 672.0 X 673.0 X 674.0 X 675.0 X 676.0 X 677.0 X 678.0 X 679.0 X 680.0 X 681.0 X 682.0 X 683.0 X 684.0 X 685.0 X 686.0 X 687.0 X 688.0 X 689.0 X 690.0 X 691.0 X 692.0 X 693.0 X 694.0 X 695.0 X 696.0 X 697.0 X 698.0 X 699.0 X 700.0 X 701.0 X 702.0 X 703.0 X 704.0 X 705.0 X 706.0 X 707.0 X 708.0 X 709.0 X 710.0 X 711.0 X 712.0 X 713.0 X 714.0 X 715.0 X 716.0 X 717.0 X 718.0 X 719.0 X 720.0 X 721.0 X 722.0 X 723.0 X 724.0 X 725.0 X 726.0 X 727.0 X 728.0 X 729.0 X 730.0 X 731.0 X 732.0 X 733.0 X 734.0 X 735.0 X 736.0 X 737.0 X 738.0 X 739.0 X 740.0 X 741.0 X 742.0 X 743.0 X 744.0 X 745.0 X 746.0 X 747.0 X 748.0 X 749.0 X 750.0 X 751.0 X 752.0 X 753.0 X 754.0 X 755.0 X 756.0 X 757.0 X 758.0 X 759.0 X 760.0 X 761.0 X 762.0 X 763.0 X 764.0 X 765.0 X 766.0 X 767.0 X 768.0 X 769.0 X 770.0 X 771.0 X 772.0 X 773.0 X 774.0 X 775.0 X 776.0 X 777.0 X 778.0 X 779.0 X 780.0 X 781.0 X 782.0 X 783.0 X 784.0 X 785.0 X 786.0 X 787.0 X 788.0 X 789.0 X 790.0 X 791.0 X 792.0 X 793.0 X 794.0 X 795.0 X 796.0 X 797.0 X 798.0 X 799.0 X 800.0 X 801.0 X 802.0 X 803.0 X 804.0 X 805.0 X 806.0 X 807.0 X 808.0 X 809.0 X 810.0 X 811.0 X 812.0 X 813.0 X 814.0 X 815.0 X 816.0 X 817.0 X 818.0 X 819.0 X 820.0 X 821.0 X 822.0 X 823.0 X 824.0 X 825.0 X 826.0 X 827.0 X 828.0 X 829.0 X 830.0 X 831.0 X 832.0 X 833.0 X 834.0 X 835.0 X 836.0 X 837.0 X 838.0 X 839.0 X 840.0 X 841.0 X 842.0 X 843.0 X 844.0 X 845.0 X 846.0 X 847.0 X 848.0 X 849.0 X 850.0 X 851.0 X 852.0 X 853.0 X 854.0 X 855.0 X 856.0 X 857.0 X 858.0 X 859.0 X 860.0 X 861.0 X 862.0 X 863.0 X 864.0 X 865.0 X 866.0 X 867.0 X 868.0 X 869.0 X 870.0 X 871.0 X 872.0 X 873.0 X 874.0 X 875.0 X 876.0 X 877.0 X 878.0 X 879.0 X 880.0 X 881.0 X 882.0 X 883.0 X 884.0 X 885.0 X 886.0 X 887.0 X 888.0 X 889.0 X 890.0 X 891.0 X 892.0 X 893.0 X 894.0 X 895.0 X 896.0 X 897.0 X 898.0 X 899.0 X 900.0 X 901.0 X 902.0 X 903.0 X 904.0 X 905.0 X 906.0 X 907.0 X 908.0 X 909.0 X 910.0 X 911.0 X
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16-Light Controller



7-Light Controller

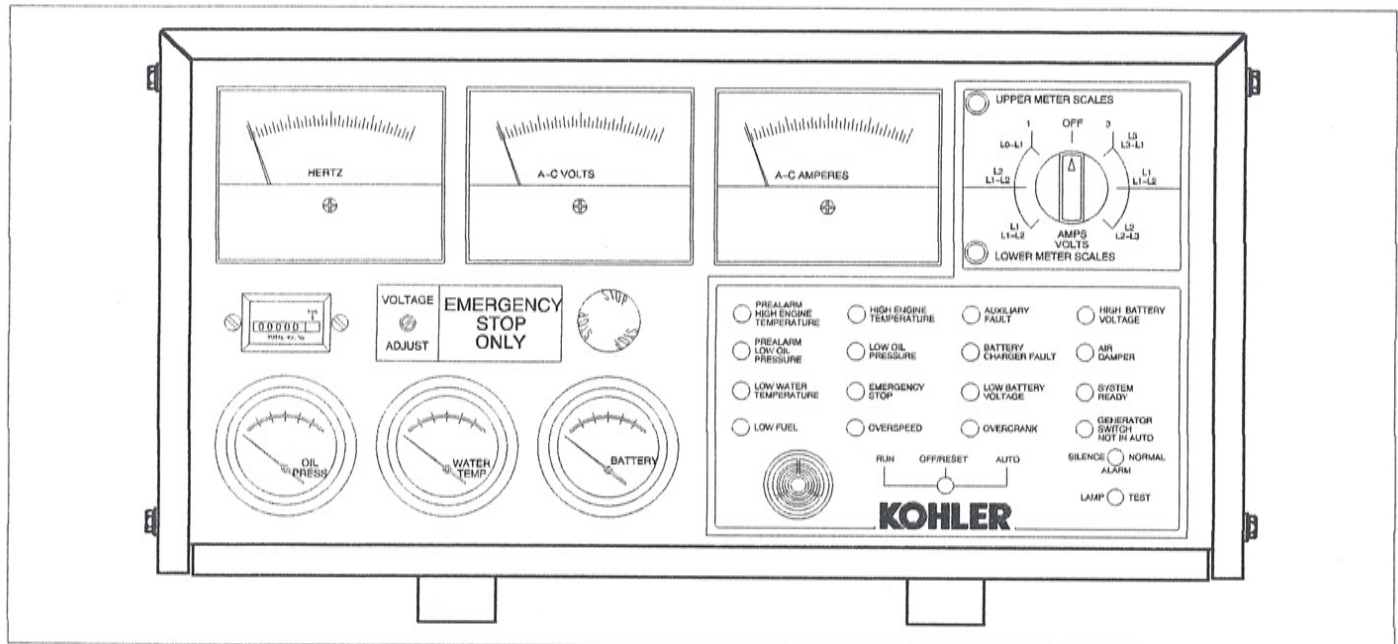
Kohler® Decision-Maker™ 3+ Controllers

Applicable to the following:

20-100RZ
135-275RZD
20-170ROZK
20-200ROZJ/REOZJ
200REOZP
230-400REOZD
450REOZD-4
500-2000ROZD-4
600/900/1000ROZM

- Controller is compatible with 12- or 24-volt engine electrical systems.
- Controller with additional accessories meets the National Fire Protection Association requirements of NFPA-99 and NFPA-110. NFPA-110, Level 1 requirements typically apply to health care facilities; NFPA-110, Level 2 requirements apply to less-critical applications.
- Contains microcomputer-based logic with a ROM (read-only memory)-based control algorithm.
- Contains internal protection from electrical noise.
- Vibration isolated from the engine/generator.
- Can be mounted in several orientations on the generator set.
- Conformal coating protects circuit boards from environmental damage.

Decision-Maker™ 3+, 16-Light Controller for NFPA-110, Level 1 Requirements



Standard Features

- Dimensions, W x H x D, mm (in.):
461 x 247 x 297 (18.15 x 9.71 x 11.68)
- Power source with circuit protection: 12 or 24 volt DC
- Operating temperature range:
-40°C to 70°C (-40°F to 158°F)
- Storage temperature range:
-40°C to 85°C (-40°F to 185°F)
- AC interlock to prevent starter reengagement with engine running
- DC circuit protection
- Error-proof wiring harness for electrical connections
- Panel lamps (2)
- Analog gauges, 51 mm (2 in.):
 - Pressure gauge, oil
 - Temperature gauge, engine cooling system
 - Voltmeter, DC battery
- Analog meters, 89 mm (3.5 in.):
 - AC ammeter, 2% of full-scale accuracy
 - AC voltmeter, 2% of full-scale accuracy
 - Frequency meter, 0.5% of full-scale accuracy
- Prealarm indicators:
 - Auxiliary (multiple function)(red)
 - Battery charger (red)*
 - Fuel, low—level or pressure (red)*
 - Pressure, low oil (yellow)*
 - Temperature, low engine (red)*
 - Temperature, high engine (yellow)*
 - Voltage, high battery (yellow)*
 - Voltage, low battery (red)*
- Shutdown indicators:
 - Auxiliary (multiple function)(red)
 - Emergency stop (red)*
 - Level, low coolant (utilizes auxiliary indicator)
 - Overcrank (red)
 - Overspeed (red)
 - Pressure, low oil (red)
 - Temperature, high engine (red)
- Status indicators:
 - Air damper (red) (200–1600 kW 2-cycle, Detroit Diesel-powered models only, if equipped)*
 - Generator switch not-in-auto (red)
 - System ready (green)
- Running time meter
- Switches and standard features:
 - Continuous or cyclic cranking. The cyclic cranking provides up to 45 seconds of continuous cranking or 75 seconds of cyclic cranking (crank 15 seconds, rest 15 seconds, crank 15 seconds, etc.). The crank disconnect speed is 390 rpm (13 Hz).
 - Horn, alarm (with silencing switch)
 - Mode, prime power
 - Potentiometer, generator output voltage-adjusting (front panel mounted, ±5% of nominal voltage) (350–2000 kW models have adjustment on voltage regulator in junction box)
 - Shutdown, overvoltage protection
 - Start, remote 2-wire start
 - Switch, emergency stop (standard on 200–2000 kW DDC- and Mitsubishi-powered models only)
 - Switch, lamp-test
 - Switch, meter range selector
 - Switch, run/off-reset/auto (engine start)
 - Timer, engine cooldown, (5-minute fixed)

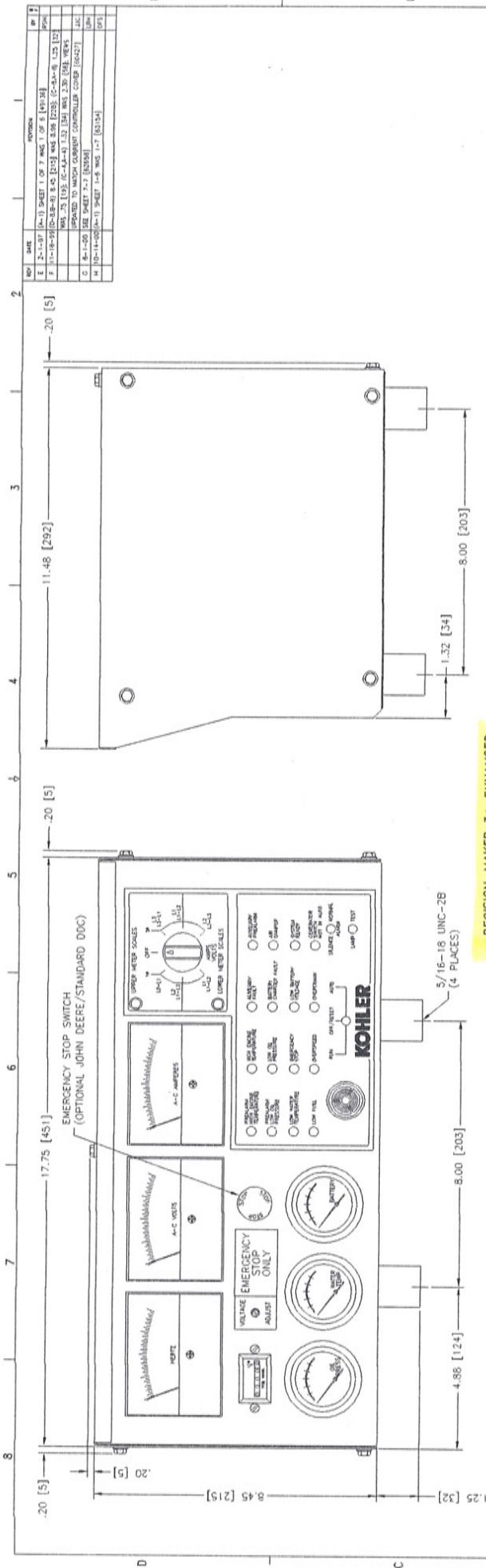
* Requires optional kit or user-provided device to enable function and lamp indication.

Selected Decision-Maker™ 3+ Accessories

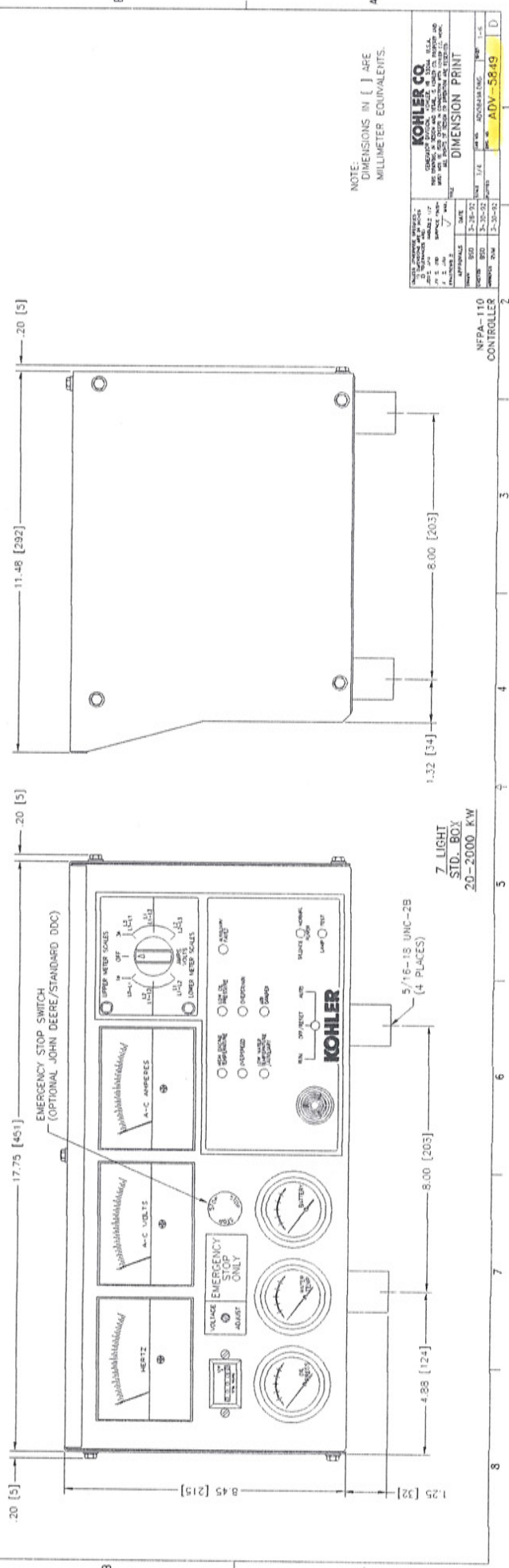
- ☐ **Common Failure Relay** remotely signals auxiliary fault, emergency stop, high engine temperature, low oil pressure, overcrank, and overspeed via one single-pole, double-throw relay with 10 amp at 120 VAC, 10 amp at 28 VDC contacts.
- ☐ **Controller Cable** in various lengths enables remote mounting of the controller.
- ☐ **Controller Connection Kit** provides a cable connecting the controller to a terminal strip in the junction box. Specify the controller connection kit for junction box remote device connections.
- ☐ **Dry Contact Kits** interface between the controller signals and customer-supplied accessories providing contact closure to activate warning devices such as lamps or horns. Kits are available in either one or ten single-pole, double-throw relays with 3 amp at 250 VAC contacts. A kit with twenty single-pole, double-throw relays with 3 amp at 250 VAC contacts is available on 350–2000 kW models.
- ☐ **FASTCHECK®** hand-held diagnostic fault detector activates controller circuits without operating engine/generator. Helps service or maintenance personnel quickly identify faults in controller and engine circuits.
- ☐ **Float/Equalize Battery Charger with Alarm Feature** warns controller of battery charger fault, high battery voltage, and low battery voltage. Level 2 controller only offers remote indication using the remote annunciator kit.
- ☐ **Controller Mounted Emergency Stop Switch** shuts down generator set immediately in emergency situations. Use the generator set master switch for normal shutdowns. Standard on 200–2000 kW DDC- and Mitsubishi-powered models only.
- ☒ **Prealarms** warn of low water temperature, approaching low oil pressure, and approaching high water temperature. Kits for gas-fueled models include a low fuel pressure switch. Level 2 controller offers only remote indication. Order a remote annunciator for this feature with Level 2 controllers.
- ☒ **Remote Annunciator Panel** enables the operator to monitor the status of the generator from a remote location. May be required for NFPA-99 and NFPA-110 installations. Kit includes separately mounted 14-relay dry contact kit.
- ☐ **Remote Audio/Visual Panel** warns the operator of fault shutdowns and prealarm conditions. Common fault lamp and horn with silence switch.
- ☐ **Remote Emergency Stop Panel** immediately shuts the generator set down from a remote station.
- ☐ **Run Relay** provides a three-pole, double-throw relay with 10 amp at 250 VAC contacts for indicating that the generator set is running or shut down.

Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler Co. generator set distributor for availability.

DISTRIBUTED BY:

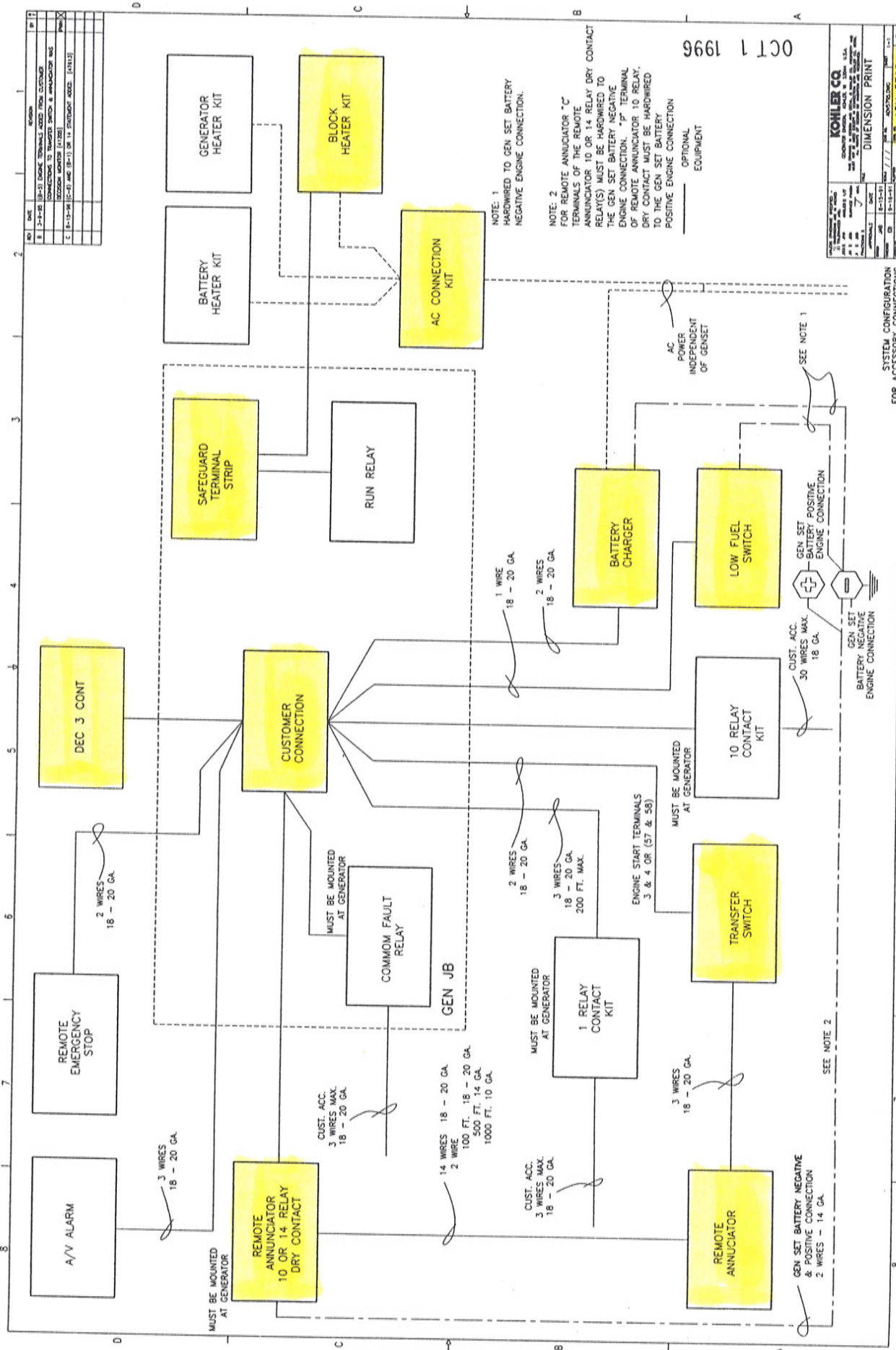


DECISION-MAKER 3 + ENHANCED
SID. BOX
20-2000 KW



NOTE:
DIMENSIONS IN [] ARE
MILLIMETER EQUIVALENTS.

[illegible]



NOTE: 1
HARDWIRED TO GEN SET BATTERY
NEGATIVE ENGINE CONNECTION.

NOTE: 2
FOR REMOTE ANNUNCIATOR "C"
TERMINALS OF THE REMOTE
ANNUNCIATOR 10 OR 14 RELAY DRY CONTACT
RELAY(S) MUST BE HARDWIRED TO
THE GEN SET BATTERY NEGATIVE
ENGINE CONNECTION. "P" TERMINAL
OF REMOTE ANNUNCIATOR 10 RELAY,
DRY CONTACT MUST BE HARDWIRED
TO THE GEN SET BATTERY
POSITIVE ENGINE CONNECTION
OPTIONAL
EQUIPMENT

9661 1100

KOHLEN CO	
CONTRACT NO. 100-1000000000	
DATE: 10/1/75	
BY: J. J. J.	
CHECKED: J. J. J.	
APPROVED: J. J. J.	
DIMENSION PRINT	
ADV-5795	

SYSTEM CONFIGURATION
FOR ACCESSORY CONNECTIONS

REV	DATE	DESCRIPTION
1	10-2-82	SHEET 1 OF 3 WBS, 1 OF 2 (KAM)
2	3-3-87	(B-4) INDICATOR PANEL ASSEMBLY ADDED (B-4, C-2, D-2)
3	11-18-97	UPDATES (KAM)
4	1-18-98	UPDATES (KAM)
5	1-18-98	UPDATES (KAM)
6	1-18-98	UPDATES (KAM)
7	1-18-98	UPDATES (KAM)
8	1-18-98	UPDATES (KAM)
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99	1-18-98	UPDATES (KAM)
100	1-18-98	UPDATES (KAM)

NOTE: TRANSFER SWITCH TERMINAL DESIGNATIONS MAY VARY FROM THOSE SHOWN HERE. VERIFY THE CORRECT DESIGNATIONS USING THE APPROPRIATE TRANSFER SWITCH WIRING DIAGRAM.

(TERMINALS 3 AND 4 REMOTE START/STOP SWITCH OR TRANSFER SWITCH CONTACTS ON TRANSFER SWITCH)

OPTIONAL REMOTE START/STOP SWITCH

TERMINAL 63, LOW FUEL LEVEL SWITCH LOCATED IN MAIN TANK OR LOW FUEL PRESSURE SWITCH

BATTERY GROUND

OPTIONAL BATTERY CHARGER CONNECTIONS

BATT. CHARGER FAULT

LOW BATTERY VOLTS

HIGH BATTERY VOLTS

RELAY CONTACTS

OPTIONAL RUN RELAY KIT CONNECTIONS

SAFEGUARD TERM. STRIP

RED

BLACK

(70) BATTERY VOLTAGE PRESENT ONLY WHEN GENERATOR IS OPERATING.

OPTIONAL ONE ISOLATED ALARM CONTACT KIT CONNECTIONS

OVERSPEED (TYPICAL CONNECTION)

PRIME POWER OPERATION

CONTROL BOARD TB2

PLACE JUMPERS ACROSS TB2-1P TO TB2-2P, TB2-3P TO TB2-4P & TB2-4 TO TB2-3, TO POWER-DOWN CONTROLLER PLACE GENERATOR MASTER SWITCH IN "OFF" POSITION. DO NOT MOVE MASTER SWITCH TO "AUTO" POSITION.

1P

2P

3P

4P

5P

6P

7P

8P

9P

10P

11P

12P

13P

14P

15P

16P

17P

18P

19P

20P

21P

22P

23P

24P

25P

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100P

OPTIONAL CUSTOMER CONNECTION KIT

OPTIONAL COMMON A/V ALARM CONNECTIONS

FOR REMOTE TRANSMITTER CONNECTIONS SEE SHEET 2 OF 2

OPTIONAL EMERGENCY STOP KIT CONNECTIONS

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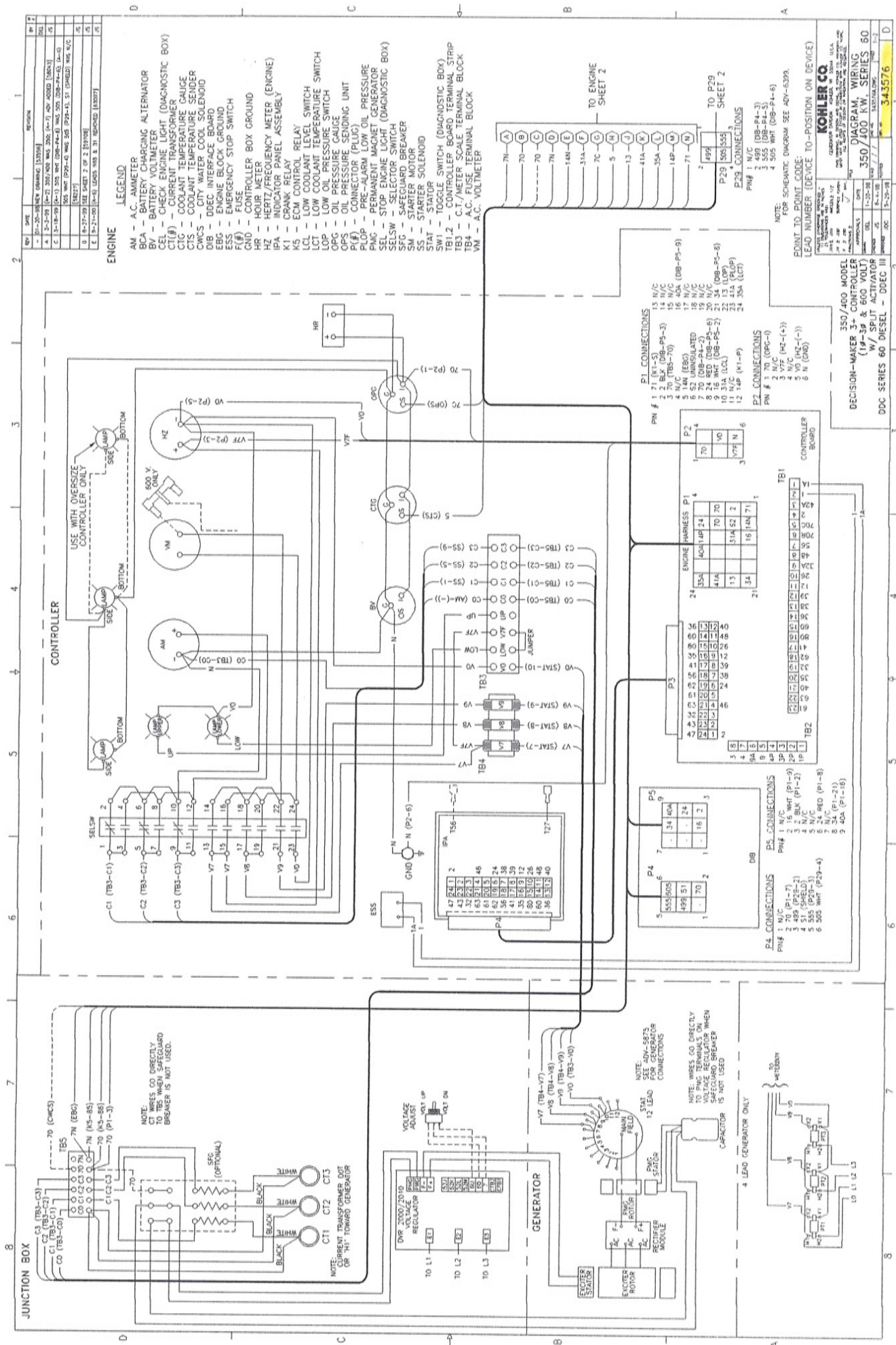
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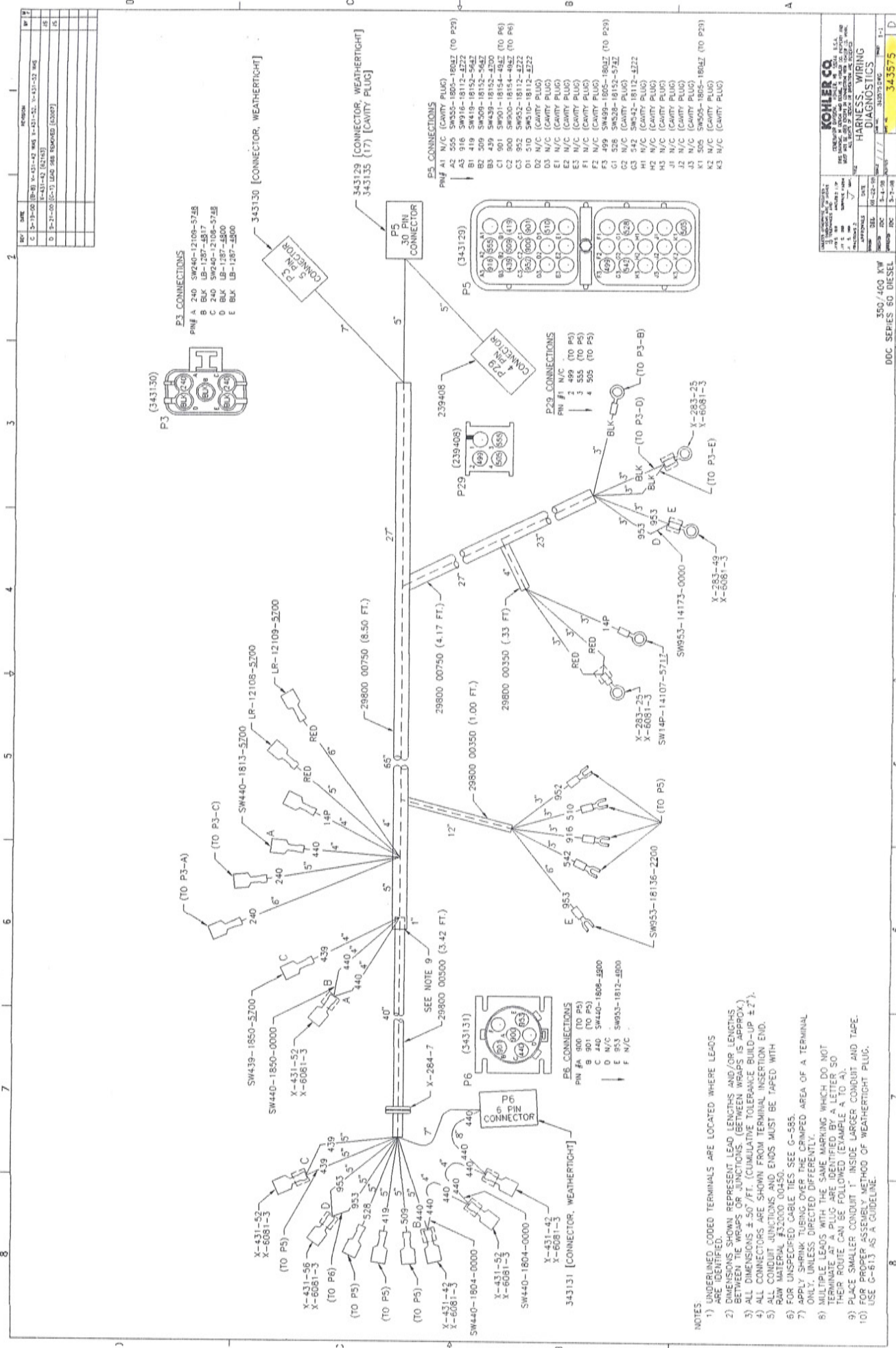
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KOHLER CO.	
DATE	10-12-10
BY	W. J. HARRIS
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350/400 KW
DDC SERIES 60 DIESEL

343575

GENERATOR ACCESSORIES

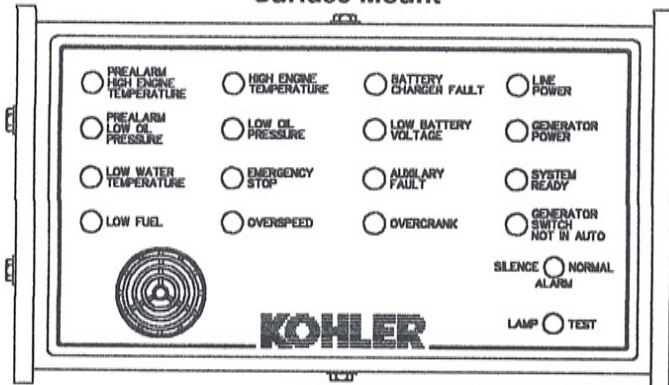
KOHLER POWER SYSTEMS

Decision Monitor™

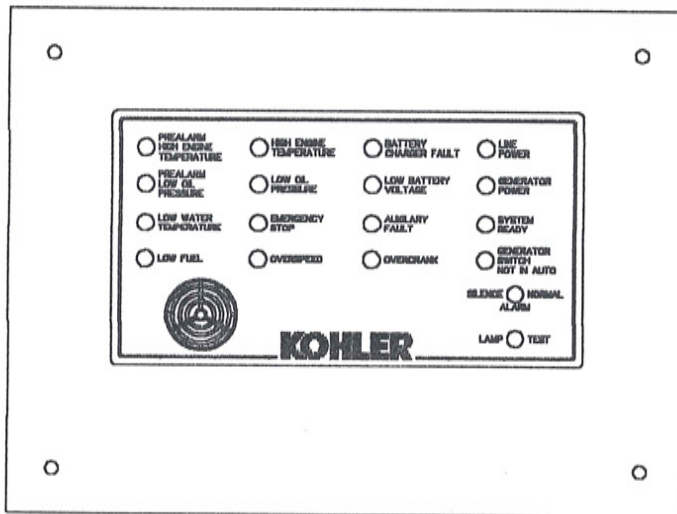
ISO 9001
KOHLER
 GENERATORS
 INTERNATIONALLY REGISTERED

For Use with Decision-Maker™ 3+ Controllers

Surface Mount

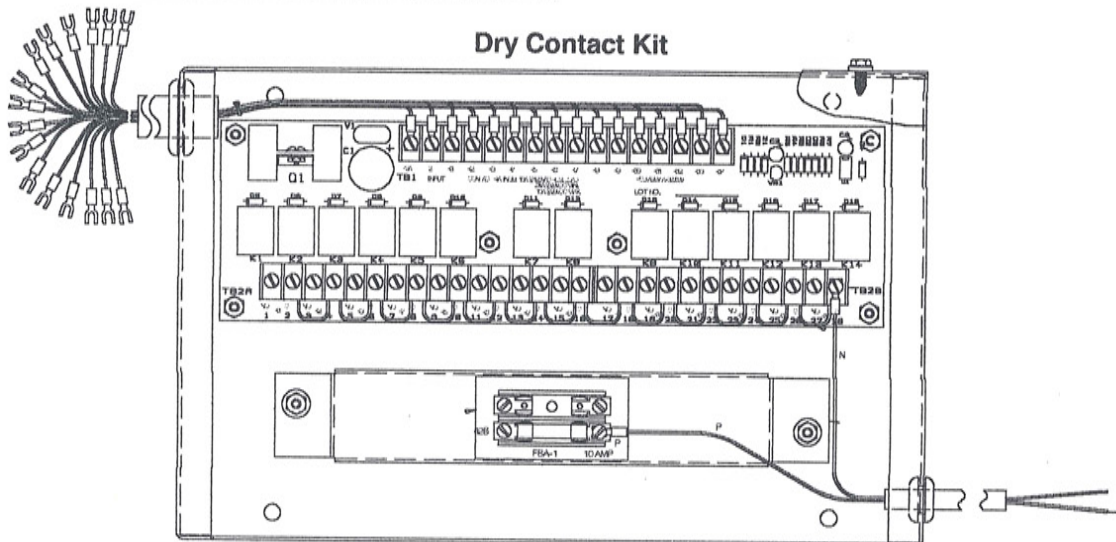


Flush Mount



- Annunciator panel monitors condition of standby generator set equipped with Decision-Maker™ 3+ controller.
- The Kohler Decision Monitor™ alarm annunciator panel meets the standards of the National Fire Protection Association established in NFPA 99 for essential electrical systems for hospitals and also meets standards of the National Electrical Code, Section 700-7.
- NFPA standards require a storage-battery-powered remote annunciator. The remote annunciator must operate in a location outside of the generating room that is readily observed by operating personnel at a workstation. The annunciator must give visual and audible warning of an alarm condition affecting an emergency or auxiliary power source.
- The Decision Monitor™ alarm annunciator panel mounts to either a desk or wall. It allows monitoring of the standby power system from a location remote of the generator set.

Dry Contact Kit



Alarm Horn. Horn sounds if fault or prealarm condition exists except emergency stop, battery charger fault or low battery volts. The alarm horn can be silenced only with the generator master switch in the AUTO position.

Alarm Silence Switch. Switch disconnects alarm during servicing. Generator master switch must be in the AUTO position (meets requirements of NFPA 110).

Lamp Test Switch. Switch tests the annunciator indicator lamps.

Prealarm High Engine Temperature. Lamp lights if engine coolant temperature approaches shutdown range. Requires prealarm sender group.

Prealarm Low Oil Pressure. Lamp lights if engine oil pressure approaches shutdown range. Requires prealarm sender kit.

Low Water Temperature. Lamp lights if optional engine block heater malfunctions and/or engine coolant temperature is too low (below 75°F [21°C]) for 10-second start-up. Requires prealarm sender kit.

Low Fuel. Lamp lights if fuel tank fuel level in tank approaches empty. Requires customer-supplied level switch.

High Engine Temperature. Lamp lights if engine has shut down because of high engine coolant temperature.

Low Oil Pressure. Lamp lights if set shuts down because of insufficient oil pressure.

Emergency Stop. Lamp lights and engine stops if emergency stop is made. Requires remote emergency stop switch.

Overspeed. Lamp lights if set shuts down because of overspeed condition.

Battery Charger Fault. Lamp lights if battery charger malfunctions. Requires battery charger with alarm contact.

Low Battery Voltage. Lamp lights if battery or charging voltage drops below preset level. Requires battery charger with alarm contact.

Auxiliary Fault. Lamp lights will flash immediately if controller does not sense AC output (except during first 10 seconds after start-up).

Overcrank. Lamp will light and cranking stops if engine does not start after 45 seconds of continuous cranking or 75 seconds of cyclic cranking.

- Cranking stops and overcrank lamp lights after 15 seconds if starter or engine does not turn (locked rotor).
- Overcrank lamp flashes if speed sensor signal is not received for one second.

Line Power. Lamp lights when commercial utility power is in use. Requires auxiliary contact in transfer switch.

Generator Power. Lamp lights when generator power is in use. Requires auxiliary contact in transfer switch.

- Auxiliary lamp lights and engine stops 5 seconds after high oil temperature or low coolant level fault (if equipped).
- Auxiliary lamp lights and engine shuts down immediately if overvoltage condition occurs (if equipped with overvoltage shutdown kit).
- Auxiliary lamp lights if remote emergency stop switch is reset with generator master switch in the AUTO or RUN position.

System Ready. Lamp lights when generator master switch is in AUTO position and the system senses no faults.

Generator Switch Not In Auto. Lamp lights when generator master switch is in RUN or OFF/RESET position.

Overall Dimensions:

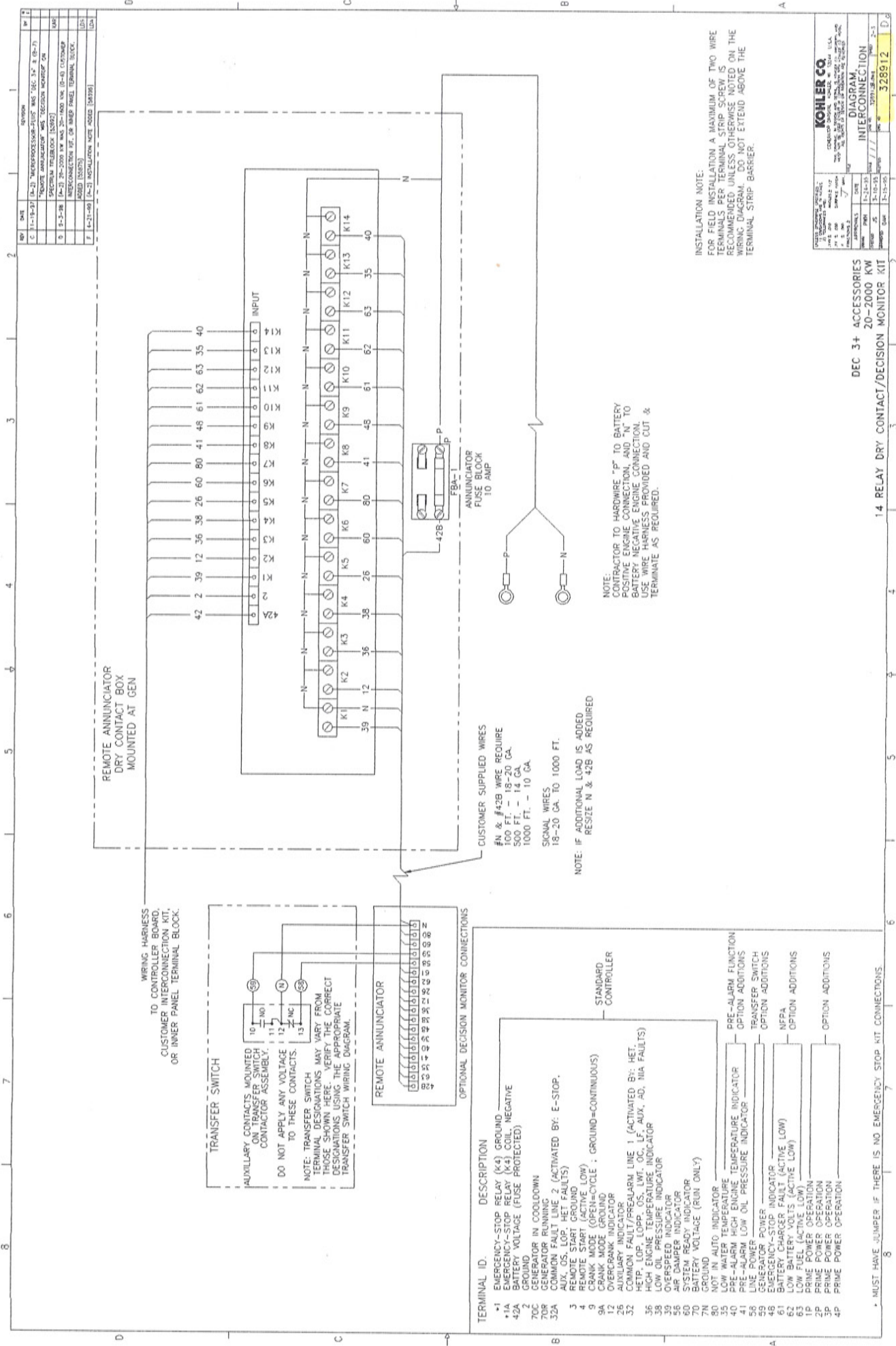
Surface-Mount Remote Annunciator (L x D x H):
8.69 x 2.38 x 5.00 in. (221 x 60 x 127 mm)

Flush-Mount Remote Annunciator with Adapter Plate
(L x D x H): 11.00 x 2.11 x 9.50 in. (279 x 54 x 241 mm)

NOTE: The flush-mount kit will mount inside a standard 12 x 8 x 4 in. (305 x 203 x 102 mm) Hoffman pull box.

DISTRIBUTED BY:

Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler Co. generator distributor for availability.



DATE	1-1-77	BY	W. H. H.
REVISION			
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INSTALLATION NOTE:
FOR FIELD INSTALLATION A MAXIMUM OF TWO WIRE
TERMINALS PER TERMINAL STRIP SCREW IS
RECOMMENDED UNLESS OTHERWISE NOTED ON THE
WIRING DIAGRAM. DO NOT EXTEND ABOVE THE
TERMINAL STRIP BARRIER.

NOTE:
CONTRACTOR TO HARDWIRE "P" TO BATTERY
POSITIVE ENGINE CONNECTION, AND "N" TO
BATTERY NEGATIVE ENGINE CONNECTION.
USE WIRE HARNESS PROVIDED AND CUT &
TERMINATE AS REQUIRED.

NOTE: IF ADDITIONAL LOAD IS ADDED
RESIZE N & 42B AS REQUIRED

NOTE: MUST HAVE JUMPER IF THERE IS NO EMERGENCY STOP KIT CONNECTIONS

DEC 3+ ACCESSORIES
20-2000 KW
14 RELAY DRY CONTACT/DECISION MONITOR KIT

328912

KOHLER CO.
CHICAGO, ILL. 60642
U.S.A.
1977-1978

DIAGRAM
INTERCONNECTION

DATE
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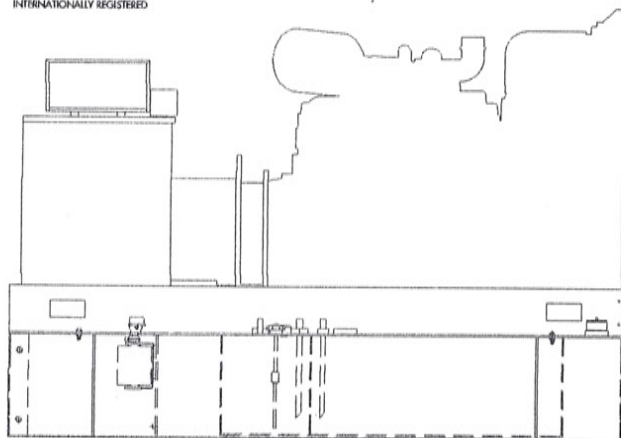
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W. H. H.

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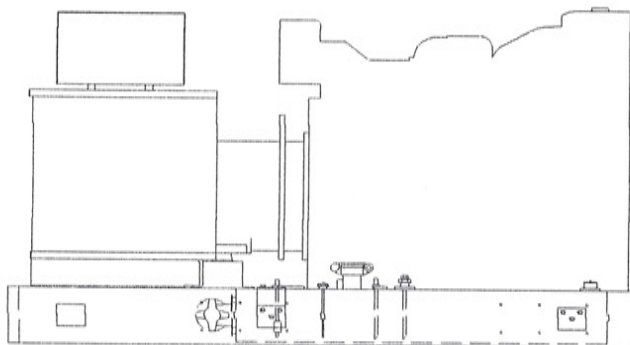
APP'D
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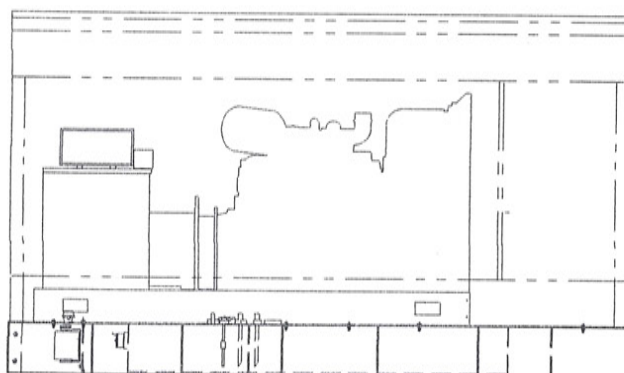
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Double-Wall Subbase Tank



Double-Wall In-Base Tank



Double-Wall Subbase Tank for Sound Enclosure

Double-Wall Subbase/In-Base Fuel Tanks (UL Listed)

Secondary Containment (SC) Tank

- The above-ground rectangular secondary containment tank mounts directly to the generator set. The secondary containment fuel tank mounts below the generator set skid (subbase) or within the skid perimeter (in-base).
- Both the inner and outer UL-listed tanks have emergency relief vent openings.
- The containment tank's double-layer construction protects against fuel leaks or ruptures. The inner tank is sealed inside the outer tank. The outer tank contains the fuel if the inner tank leaks or ruptures.

Closed-Top Diked (CTD) Tank

- The above-ground, closed-top base tank with integral steel dike mounts directly to the generator set.
- The UL-listed tank contains the fuel if the inner tank leaks or ruptures.
- The top of the diked tank incorporates a vent that eliminates the need for emergency venting of the secondary containment tank (outer tank).
- Precipitation, debris, and other elements cannot enter the closed-top diked tank. The pitched top diverts standing water.

Double-Wall Tanks for Sound Enclosures

- Select either a secondary containment or closed-top diked fuel tank for mounting to an enclosed generator set.
- The sound enclosure tanks include mounting surfaces for the sound enclosure.

Single-Wall Subbase Fuel Tanks

- The above-ground, single-wall, rectangular tank mounts directly to the generator set.
- The tank includes all vent openings necessary to comply with applicable codes.

Fuel Tank Features and Options

Double-Wall	Single-Wall	Standard Features and Options
S	S	Fuel supply and fuel return openings
S	S	Emergency pressure-relief vent openings
S	S	Heavy-gauge construction
S	S	Integral stub-up area
S	S	Fuel fill opening, 2 in. NPT
S	S	Removable end channel for easy access to stub-up area
S	S	Float opening for pump control (day tank model only)
S	S	Overflow opening (day tank model only)
S	S	Pump and motor-mounting pad (day tank model only)
S	S	Tank fuel fill opening for day tank (day tank model only)
S	O	Lockable fill cap and riser kit (optional on 20-200REOZJ/ROZJ models with sound shields)
S	O	Low fuel level alarm kit (optional on 20-200REOZJ/ROZJ models with sound shields)
S	O	Mechanical fuel gauge
S	O	Normal vent with riser and mushroom cap (optional on 20-200REOZJ/ROZJ models with sound shields)
S	—	Basin drain
S	—	Spring isolators (500-2000 kW)
S	—	UL listed
S	—	Emergency pressure-relief vent opening on the inner tank
O	—	Inner tank leak alarm kit
O	—	Electronic-control day tank kit includes transfer pump, 120 VAC, 1/3 HP motor, and controls; requires a 20- or 40-foot wiring harness; 7.6 Lpm (2 gpm) on 6-1250 kW and 15.1 Lpm (4 gpm) on 1500-2000 kW
O	—	Relay control day tank kit includes transfer pump, 120 VAC, 1/3 HP motor, and controls; 7.6 Lpm (2 gpm) on 6-1250 kW and 15.1 Lpm (4 gpm) on 1500-2000 kW
—	O	Transfer pump kit includes 7.6 Lpm (2 gpm) transfer pump and 120 VAC, 1/3 HP motor (day tank option)
—	O	Float switch kit for use with transfer pump kit (day tank option)

O—Optional
S—Standard

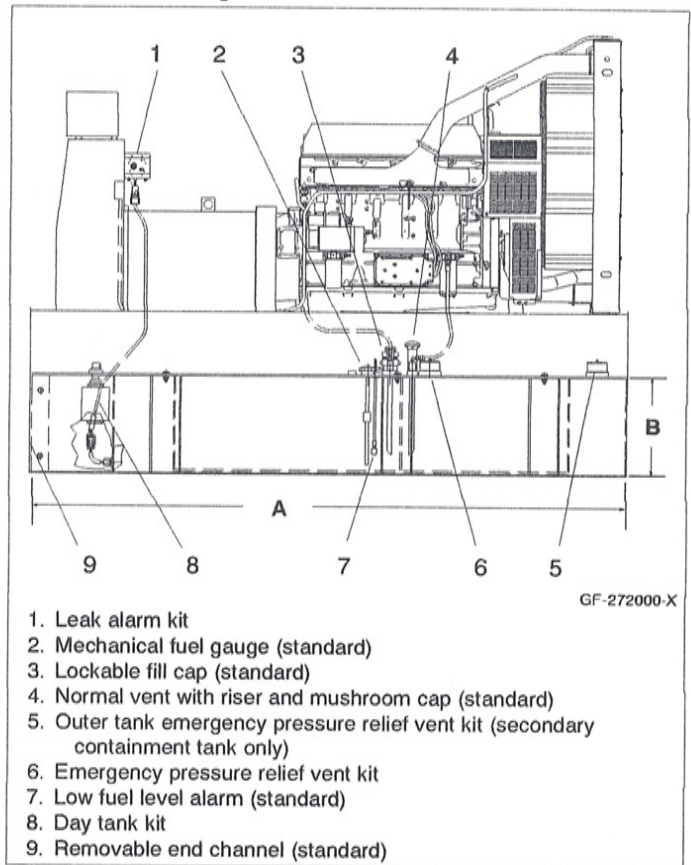


Figure 1 Double-Wall Subbase Fuel Tanks
(Secondary Containment and Closed-Top Diked Shown)

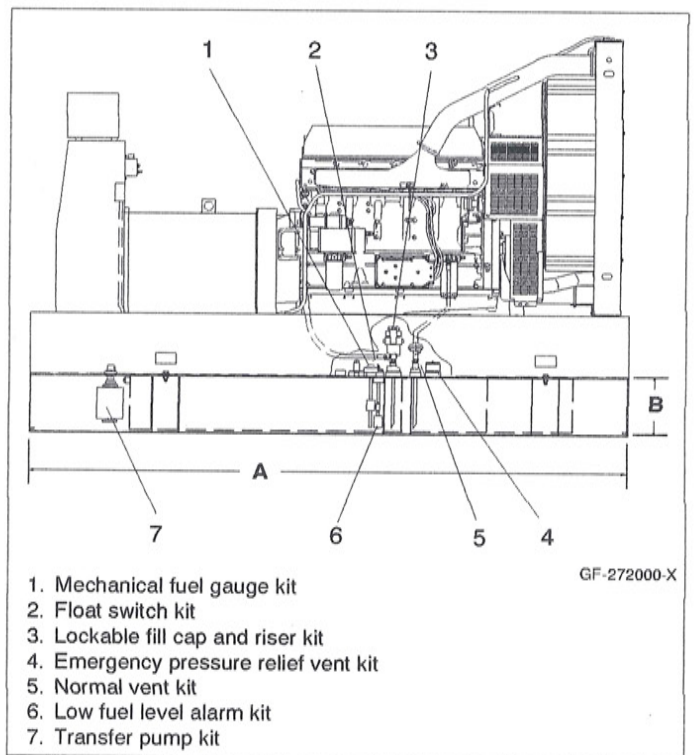


Figure 2 Single-Wall Subbase Fuel Tank

Fuel Tank Weights and Dimensions

Double-Wall Subbase Fuel Tanks

Model	Capacity L (gal.)	Dimensions, mm (in.)			Weight, kg (lb.)	
		Length A*	Width	Height B*	CTD Tank	SC Tank
6ROY/6ROZ†	95 (25)	1359 (53.5)	737 (29.0)	318 (12.5)	183 (403)	181 (398)
	133 (35)	1359 (53.5)	737 (29.0)	457 (18.0)	226 (498)	223 (492)
10ROY/10ROZ†	95 (25)	1435 (56.5)	737 (29.0)	318 (12.5)	188 (414)	186 (409)
	133 (35)	1435 (56.5)	737 (29.0)	457 (18.0)	232 (511)	229 (505)
15ROY/15ROZ†	95 (25)	1600 (63.0)	737 (29.0)	318 (12.5)	197 (435)	195 (430)
	133 (35)	1600 (63.0)	737 (29.0)	457 (18.0)	243 (535)	240 (530)
20-60ROZJ/REOZJ†	151 (40)	2083 (82.0)	787 (31.0)	318 (12.5)	254 (560)	243 (536)
	284 (75)	2083 (82.0)	787 (31.0)	610 (24.0)	359 (792)	351 (774)
	454 (120)	2083 (82.0)	787 (31.0)	762 (30.0)	442 (975)	429 (946)
	837 (221)	2692 (106.0)	787 (31.0)	914 (36.0)	622 (1372)	599 (1320)
	1045 (276)	3200 (126.0)	787 (31.0)	914 (36.0)	717 (1581)	686 (1512)
	1257 (332)	2591 (102.0)	1194 (47.0)	813 (32.0)	721 (1589)	681 (1501)
20-60ROZJ/REOZJ‡	151 (40)	2870 (113.0)	1092 (43.0)	318 (12.5)	352 (776)	331 (730)
	283 (75)	2870 (113.0)	1092 (43.0)	318 (12.5)	405 (893)	380 (838)
	454 (120)	2870 (113.0)	1092 (43.0)	457 (18.0)	488 (1076)	462 (1019)
80/100ROZJ/REOZJ†	224 (75)	2489 (98.0)	787 (31.0)	457 (18.0)	352 (777)	338 (745)
	473 (125)	2489 (98.0)	787 (31.0)	610 (24.0)	444 (979)	424 (935)
	757 (200)	2692 (106.0)	787 (31.0)	762 (30.0)	565 (1246)	539 (1189)
	1348 (356)	3708 (146.0)	787 (31.0)	914 (36.0)	834 (1838)	792 (1745)
	1681 (444)	2997 (118.0)	1194 (47.0)	813 (32.0)	836 (1843)	781 (1721)
	2017 (533)	2997 (118.0)	1398 (55.0)	813 (32.0)	922 (2033)	855 (1885)
80/100ROZJ/REOZJ‡	289 (75)	3480 (137.0)	1092 (43.0)	318 (12.5)	387 (853)	387 (853)
	473 (125)	3480 (137.0)	1092 (43.0)	457 (18.0)	477 (1052)	477 (1052)
	757 (200)	3480 (137.0)	1092 (43.0)	610 (24.0)	600 (1323)	600 (1323)
135/150ROZJ†	379 (100)	2654 (104.5)	864 (34.0)	457 (18.0)	393 (867)	373 (823)
	681 (180)	2654 (104.5)	864 (34.0)	610 (24.0)	503 (1110)	476 (1050)
	1041 (275)	2908 (114.5)	864 (34.0)	762 (30.0)	636 (1403)	602 (1327)
	1945 (514)	4216 (166.0)	864 (34.0)	914 (36.0)	976 (2151)	918 (2023)
	2430 (642)	3175 (125.0)	1549 (61.0)	813 (32.0)	1063 (2283)	953 (2100)
	2918 (771)	3175 (125.0)	1803 (71.0)	813 (32.0)	1151 (2538)	1051 (2318)
135/150ROZJ‡	379 (100)	3785 (149.0)	1194 (47.0)	318 (12.5)	439 (967)	439 (967)
	681 (180)	3785 (149.0)	1194 (47.0)	457 (18.0)	554 (1222)	554 (1222)
	1041 (275)	3785 (149.0)	1194 (47.0)	610 (24.0)	680 (1500)	680 (1500)
150ROZJ IMS† 180/200ROZJ†	379 (100)	2819 (111.0)	1143 (45.0)	318 (12.5)	421 (928)	386 (851)
	757 (200)	2819 (111.0)	1143 (45.0)	457 (18.0)	546 (1203)	499 (1101)
	1136 (300)	2819 (111.0)	1143 (45.0)	610 (24.0)	650 (1434)	600 (1323)
	2491 (658)	3886 (153.0)	1143 (45.0)	914 (36.0)	1063 (2343)	987 (2177)
	3111 (822)	3327 (131.0)	1829 (72.0)	813 (32.0)	1207 (2662)	1099 (2423)
	3736 (987)	3607 (142.0)	1956 (77.0)	813 (32.0)	1354 (2984)	1223 (2696)
150ROZJ IMS‡ 180/200ROZJ‡	379 (100)	3785 (149.0)	1448 (57.0)	318 (12.5)	447 (985)	447 (985)
	757 (200)	3785 (149.0)	1448 (57.0)	457 (18.0)	581 (1280)	581 (1280)
	1136 (300)	3785 (149.0)	1448 (57.0)	457 (18.0)	675 (1487)	675 (1487)
200REOZP†	473 (125)	2870 (113.0)	1143 (45.0)	318 (12.5)	376 (830)	376 (830)
	946 (250)	2870 (113.0)	1143 (45.0)	610 (24.0)	526 (1160)	526 (1160)
	1419 (375)	2870 (113.0)	1143 (45.0)	914 (36.0)	680 (1500)	680 (1500)
	2634 (696)	4216 (166.0)	1143 (45.0)	914 (36.0)	1120 (2470)	1120 (2470)
	3293 (870)	3378 (133.0)	1956 (77.0)	838 (33.0)	1293 (2850)	1293 (2850)
	3952 (1044)	3556 (140.0)	1956 (77.0)	914 (36.0)	1411 (3111)	1411 (3111)
230-400REOZD†	772 (204)	3416 (134.5)	1270 (50.0)	457 (12.5)	544 (1200)	544 (1200)
	1544 (408)	3416 (134.5)	1270 (50.0)	762 (24.0)	730 (1610)	730 (1610)
	2317 (612)	3416 (134.5)	1270 (50.0)	914 (36.0)	730 (1610)	730 (1610)

* Refer to drawings on previous page

† Fuel tank without sound shield

‡ Fuel tank with sound shield

CTD - Closed-Top Diked

SC - Secondary Containment

IMS - Improved Motor Starting

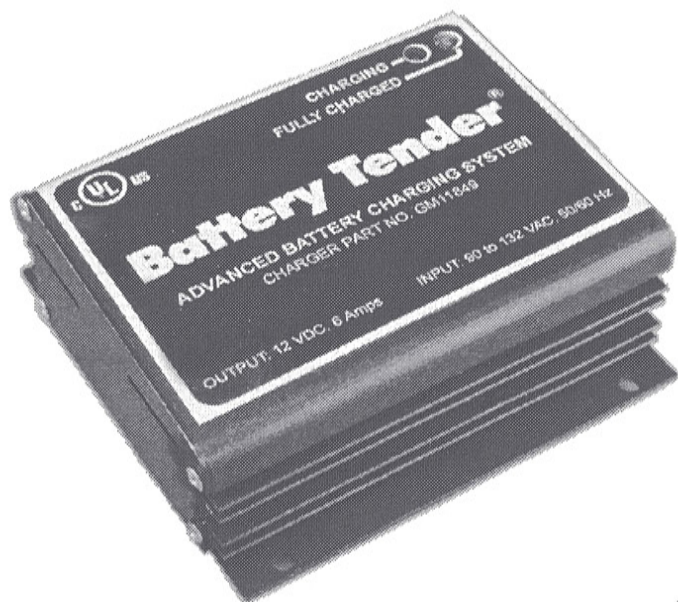
GENERATOR ACCESSORIES

KOHLER POWER SYSTEMS

Float/Equalize Battery Charger

12 VDC, 6 A and 24 VDC, 3 A

ISO 9001
KOHLER
GENERATORS
INTERNATIONALLY REGISTERED



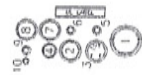
Features

- True equalize and float charging.
- Indicator lamps: A red LED indicates that battery charging is in progress. A green LED indicates that the battery is fully charged.
- Easy installation: 3-prong 120-VAC power cord and DC ring terminals for permanent connection to the battery.
- Broad-range input of 90-132 VAC, 50/60 Hz.
- Microprocessor circuitry correctly charges any size (capacity) lead-acid battery.
- Short-circuit protection.
- Reverse-polarity protection.
- Water-repellent circuitry.
- UL listed, U.S. and Canada.

Specifications

Model No.	Output Voltage, VDC	Output Amps
GM11849	12	6
GM11850	24	3
Input Voltage	90-132 VAC, 50/60 Hz	
Dimensions (L x W x D)	5 x 4.9 x 2 in. (127 x 124.46 x 50.80 mm)	
Enclosure	Aluminum Chassis	
Weight	1.3 lb. (0.6 kg)	
Minimum Operating Temperature Range	-4° to 122° F (-20° to 50°C)	

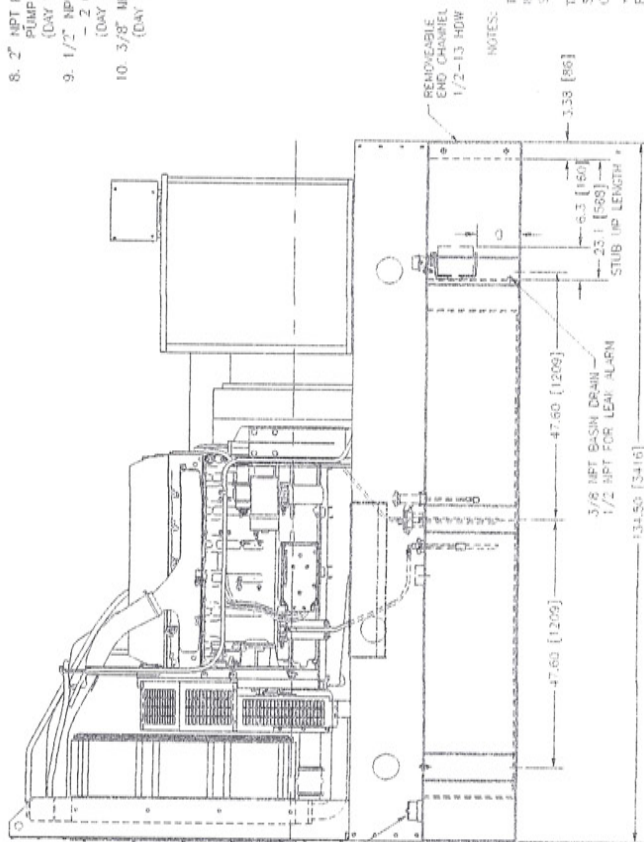
MODEL	CAPACITY GAL. [LITER]	-A- 12.5 [457]	-B- [NPT]	-C- 12.0 [137]	-D- 3.5 [111]	DAY TANK MODEL AVAILABLE	STANDARD TANK WEIGHT LBS. [KG]
230-400	204 [772]	12.5 [457]	3"	12.0 [137]	3.5 [111]	YES [DIAG. SHEET 2]	1200 [544]
DOC 5000	408 [1544]	24.0 [762]	4"	N/A	N/A	NO	1610 [730]
	612 [2317]	36.0 [1314]					2010 [912]



VIEW A-A

FITTINGS:

1. "B" NPT FOR EMERGENCY VENT
PER NFPA 30
2. 2" NPT FILL FOR FUEL CAP
AND RISER - STANDARD
3. 2" MECHANICAL LEVEL GAUGE - STANDARD
4. 1-1/4" NPT FOR NORMAL
VENT AND RISER - STANDARD
5. DIP TUBE-FUEL SUPPLY
3/8 TO 1/2 NPT COUPLING
6. DIP TUBE-FUEL RETURN
3/8 TO 1/2 NPT COUPLING
7. 2" NPT FOR LOW LEVEL ALARM - STANDARD
8. 2" NPT FOR OPTIONAL SENSOR/
PUMP CONTROL FLOAT
(DAY TANK ONLY)
9. 1/2" NPT FOR OVERFLOW
- 2 GPM PUMP MAX.
(DAY TANK ONLY)
10. 3/8" NPT FOR DAY TANK PUMP FILL
(DAY TANK ONLY)

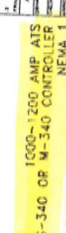


NOTES:

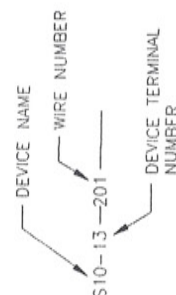
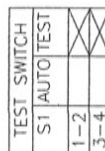
THE SMALLEST CAPACITY TANK
IN EACH MODEL MAY BE ORDERED
STANDARD OR AS A DAY TANK.
TANKS MAY BE ORDERED AS
SECONDARY CONTAINMENT
OR CLOSED TOP DINED.
* SEE GENSET AD-
FOR ACTUAL GENSET
SIZE-UP AREA.
DIMENSIONS IN [] ARE
MILLIMETER EQUIVALENTS.

KOHLE CO.	
MODEL	230-400
DATE	10-1-80
BY	W. J. W.
CHECKED BY	W. J. W.
APPROVED BY	W. J. W.
SCALE	1" = 1'-0"
SHEET NO.	1 OF 1
PROJECT NO.	AD-5410
DIMENSION PRINT	

230-400 DOC SERIES 30" WHEEL
FULL WALLED SUB-BASE FEET
TANKS/DAY TANKS (DINED ONLY)



REV	DATE	REVISION	BY
A	8-6-91	ADD JUMPERS	GH
B	10-15-91	CHASSIS GROUND ADDED	PJC
C	2-22-93	CHANGED TEST SWITCH	MRH



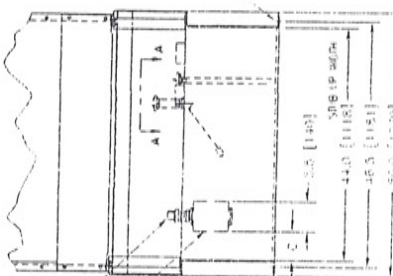
BASIC MICRO - CONTROLLER

[illegible]

[illegible]

RESULTS

1. 1" NPT FOR EMERGENCY VENT
PER APLA 501
2. 2" NPT FILL FOR FUEL CAP
AND RISER - STANDARD
3. 2" MECHANICAL LEVEL GAUGE - STANDARD
4. 1-1/4" NPT FOR NORMAL
VENT AND RISER - STANDARD
5. 1" OIP TUBE-FUEL SUPPLY
3/8 TO 1/2 NPT COUPLING
6. 1" OIP TUBE-FUEL RETURN
3/8 TO 1/2 NPT COUPLERS
7. 2" NPT FOR LOW LEVEL ALARM - STANDARD
8. 2" NPT FOR OPTIONAL SENSORS
PUMP CONTROL FLOI
(DAY TANK ONLY)
9. 1/2" NPT FOR OVERFLOW
- 2 GPM PUMP MAX
(DAY TANK ONLY)
10. 3/8" NPT FOR DAY TANK PUMP RILL
(DAY TANK ONLY)



SECONDARY TANK
ELEMENT: PRESSURE
RELIEF VENT "8" H.P.I.
(NOT APPLICABLE TO
CLOSED TOP Diked TANKS).

3/8 NPT PUMP INLET
110/120 VOLT -
PUMP AND MOTOR LOCATION
ON DAY TANK OPTION ONLY
(SEE CHART)

- 100 (25) CMA
5 MP; HILES

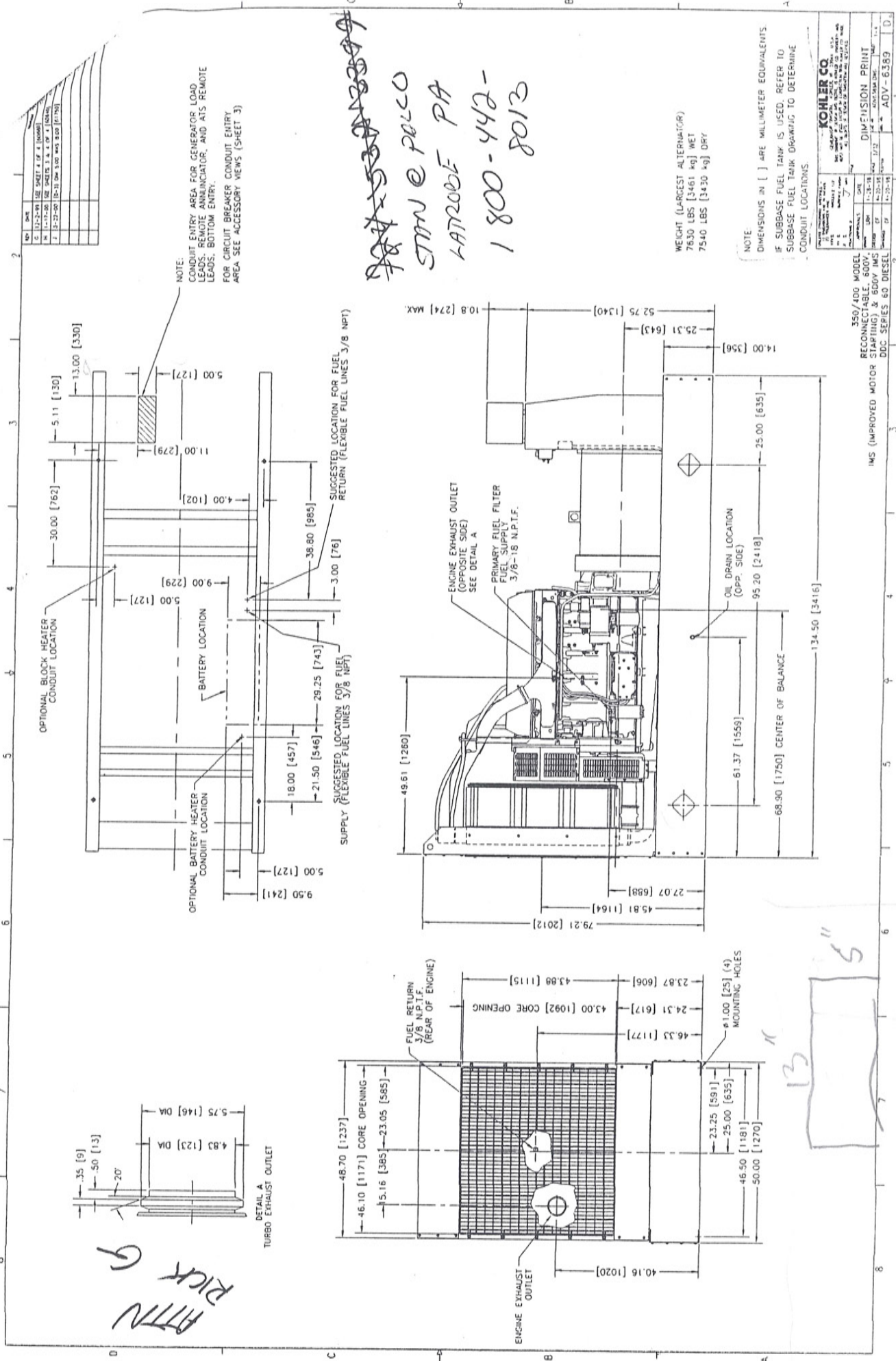
— PENDING —
END CHARGE
12-13-80

THE following is a list of the names of the persons who have been elected to the office of Mayor of the City of New York, for the year 1890, by the Board of Aldermen, at the meeting held on the 10th day of December, 1889.

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
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

(SINO-BEIJING SUMMIT) 40/5-9-87
1304 3308-215 CHINA TARIFF
13506 CE SINGS DOO COO-DEE

70" x 154" x 8"



STAN @ PALCO
LATROBE PA
1 800-442-8013

WEIGHT (LARGEST ALTERNATOR)
7630 LBS [3461 kg] WET
7540 LBS [3430 kg] DRY

NOTE
DIMENSIONS IN [] ARE MILLIMETER EQUIVALENTS
IF SUBBASE FUEL TANK IS USED, REFER TO SUBBASE FUEL TANK DRAWING TO DETERMINE CONDUIT LOCATIONS

KOHLER CO.		350/400 MODEL	
Model	350/400	Model	350/400
Power	350/400	Power	350/400
Speed	1800	Speed	1800
Frequency	60	Frequency	60
Voltage	800	Voltage	800
Current	100	Current	100
Weight	7630	Weight	7630
Dimensions	154 x 70 x 134.5	Dimensions	154 x 70 x 134.5
Accessories	ADV-6389	Accessories	ADV-6389