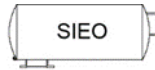


Legend

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)



Flex Exhaust



Flex Exhaust (wye)



Weld Flange with Gaskets



Discovery Energy, LLC offers silencers rated for hospital, critical, residential, and industrial 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.

Silencer Type	Noise Reduction dB(A)	Ambient Noise Level	Silencing Requirement
Hospital	32-42	Low	Very High
Critical	25-35	Low	High
Residential	18-25	Low-Medium	Medium
Industrial	12-18	Medium-High	Low-Medium

Silencer and Exhaust System Selection

Select the silencer based on the required degree of exhaust noise reduction using the four silencer ratings in the table 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 to select the available silencer type and exhaust system configuration best suited for your application. Consult with your authorized distributor/dealer for silencer and component kit numbers and for silencer dimensions.

Backpressure Considerations

Refer to 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 to calculate backpressure in the exhaust piping. Do not exceed the maximum allowable backpressure.

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350REZXD	300REOZJ				
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400REZXD	350REOZJC				
450REZXB	350REOZJD				
450REZXD	400REOZJ				
	400REOZJB				
	400REOZJC				

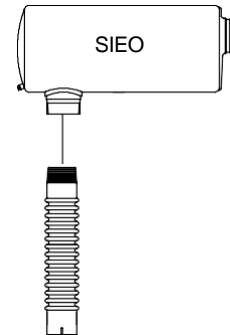
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Gaseous Fuel

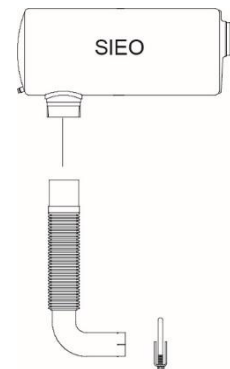
25-45REZG, 25/30/50REZGB, 50REZGC, and KG25-KG60

Exhaust System Kits	Size, In/Out
Flex Exhaust *	—
Critical Silencer SIEO	3 NPT
* Kit includes the exhaust clamp.	



KG80, KG100, and KG125

Exhaust System Kits	Size, In/Out
Flex Exhaust *	—
Critical Silencer SIEO	4 NPT
* Kit includes the exhaust clamp.	



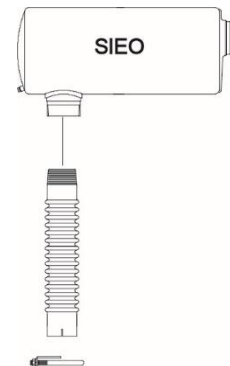
KG150, KG180, and KG200

Exhaust System Kits	Size, In/Out
Critical Silencer SIEO	4 NPT
Note: Flex exhaust included with engine.	



60REZGB

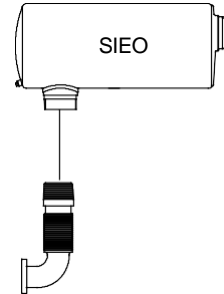
Exhaust System Kits	Size, In/Out
Flex Exhaust, 3 NPT or 4 NPT *	—
Critical Silencer SIEO (Standby)	3 NPT
Critical Silencer SIEO (Prime Power)	4 NPT
* Kit includes the exhaust clamp	



Gaseous Fuel

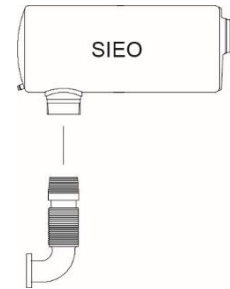
100-150REZG, 125/150REZGB, 125/150REZGC, 80/100REZGD, 80RZG, 125/150RZGC, and 80/100RZGD

Exhaust System Kits	Size, In/Out
Flex Exhaust *	—
Critical Silencer SIEO	4 NPT
* Hardware and gasket included with engine.	



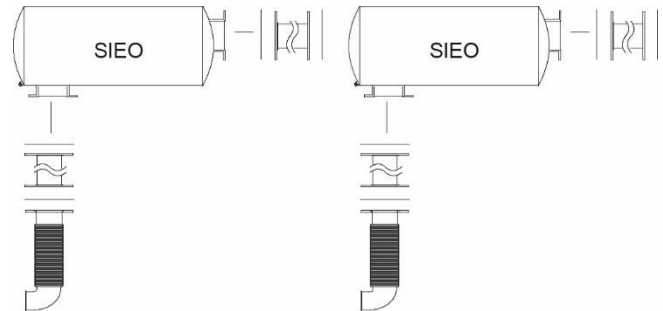
180/200REZXB/RZXB

Exhaust System Kits	Size, In/Out
Flex Exhaust *	—
Critical Silencer SIEO	4 NPT
* Hardware and gasket included with engine.	



250-400REZXB/RZXB, 450REZXB, 300REZXC, 300-500REZXD and 300-400RZXD

Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 5 in.*	1	2	—
Weld Flange 5 in.†	2	2	—
Critical Silencer SIEO	2	1	5 NPT
* Hardware and gasket included with engine. † One kit includes (2) exhaust flanges, (3) gaskets, and the mounting hardware. See Weld Flange Kits for additional data. Note: Two flex exhausts and two silencers are required.			



Qty. (2) Required

500-1000REZK

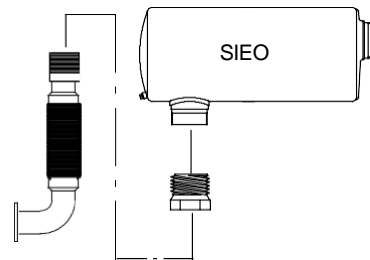
Exhaust System Kits	Qty. in Kit	Size, In/Out
500REZK		
Critical Silencer SIEO	1	10 in.
750REZK		
Critical Silencer SIEO	1	12 in.
1000REZK		
Critical Silencer SIEO	1	12 in.
Note: Flex exhaust included with engine.		



Diesel Fuel

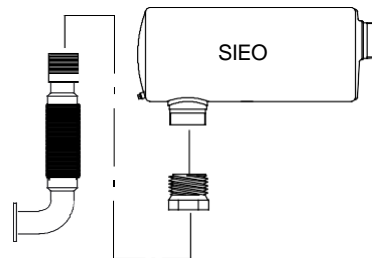
15-30REOZK

Exhaust System Kits (Critical Silencer)	Size, In/Out
Flex Exhaust 2 NPT	—
Reducer Bushing 2 NPTF/3 NPTF	—
Critical Silencer SIEO	3 NPT



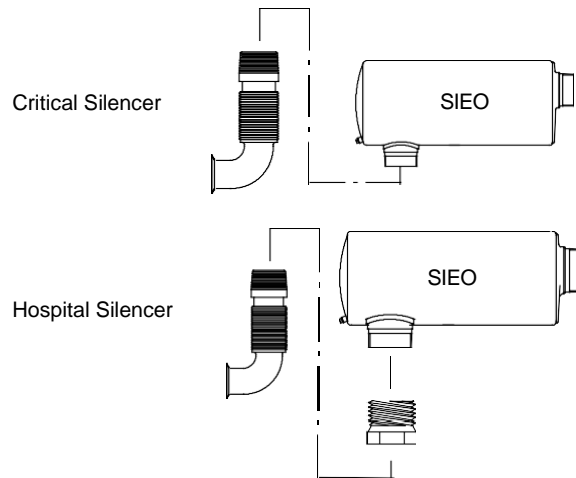
40-60REOZK

Exhaust System Kits (Critical Silencer)	Size, In/Out
Flex Exhaust 2.5 NPT	—
Reducer Bushing 2.5 NPTF/4 NPTF	—
Critical Silencer SIEO	4 NPT



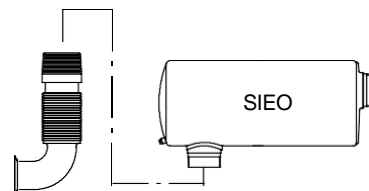
20-40REOZJB

Exhaust System Kits (Critical Silencer)	Size, In/Out
Flex Exhaust 3 NPT *	—
Critical Silencer SIEO	3 NPT
Exhaust System Kits (Hospital Silencer)	
Flex Exhaust 3 NPT *	—
Reducer Bushing 3 NPTF/4 NPTF	—
Hospital Silencer SIEO	4 NPT
* Kit includes the exhaust clamp.	



20/30REOZJC

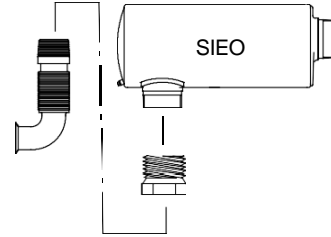
Exhaust System Kits (Critical Silencer)	Size, In/Out
Flex Exhaust 3 NPT *	—
Critical Silencer SIEO	3 NPT
* Kit includes the exhaust clamp.	



Diesel Fuel

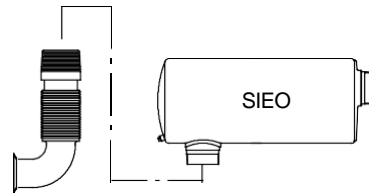
40REOZJC and 50/60REOZJD

Exhaust System Kits	Size, In/Out
Flex Exhaust 3 NPT*	—
Reducer Bushing 3 NPTF/4 NPTF	—
Critical Silencer SIEO	4 NPT
* Kit includes the exhaust clamp.	



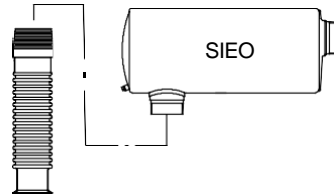
40/50REOZJE

Exhaust System Kits	Size, In/Out
Flex Exhaust 4 NPT*	—
Critical Silencer SIEO	4 NPT
* Kit includes the exhaust clamp.	



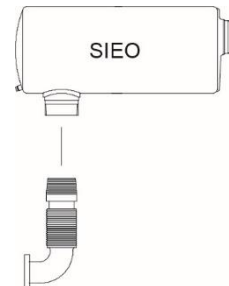
50-80REOZJB

Exhaust System Kits	Size, In/Out
Flex Exhaust 4 NPT*	—
Critical Silencer SIEO	4 NPT
Hospital Silencer SIEO	4 NPT
* Kit includes the exhaust clamp.	



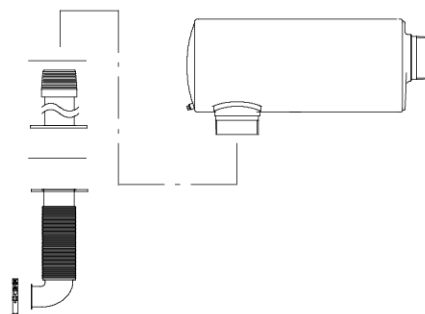
80/100REOZJF

Exhaust System Kits	Size, In/Out
Flex Exhaust 4 NPT*	—
Reducer Bushing 3 NPTF/4 NPTF	—
Hospital Silencer SIEO	4 NPT
* Kit includes the exhaust clamp.	



KD80-KD200

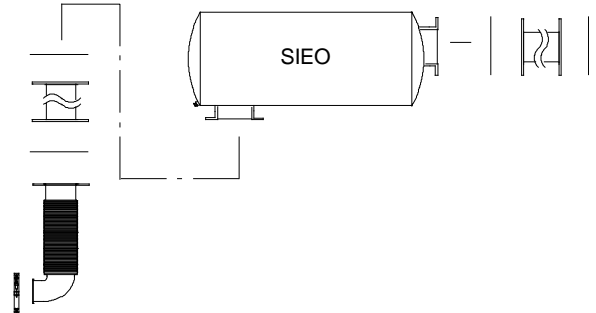
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 4 in. *	1	—
Weld Flange 4 in. †	2	—
Critical Silencer SIEO	1	4 in.
* Kit includes the exhaust clamp.		
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.		



Diesel Fuel

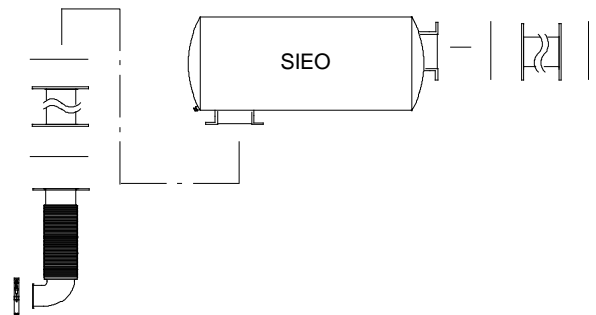
100/125REOZJB, 150REOZJF, and 125REOZJG

Exhaust System Kits	Size, In/Out
Flex Exhaust 6 in. *	1
Weld Flange 6 in. †	2
Critical Silencer SIEO	1
Hospital Silencer SIEO ‡	1
* Kit includes the exhaust clamp. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data. ‡ All models except 125REOZJG and 150REOZJF.	



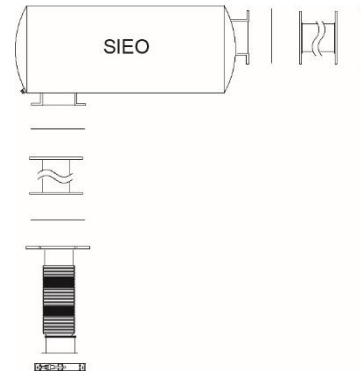
150REOZJB

Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 6 in. *	1	—
Weld Flange 6 in. †	2	—
Critical Silencer SIEO	1	6 in.
Hospital Silencer SIEO	1	6 in.
* Kit includes the exhaust clamp. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.		



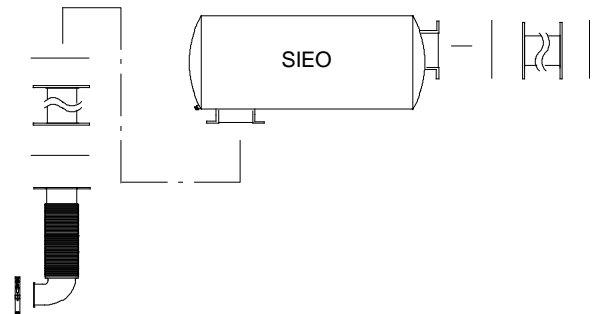
230-275REOZJE, 180/200REOZJF, 180REOZJG, and 300REOZJ

Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 6 in. *	1	—
Weld Flange 6 in. †	2	—
Critical Silencer SIEO	1	6 in.
* Kit includes the exhaust clamp. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.		



KD230-KD300

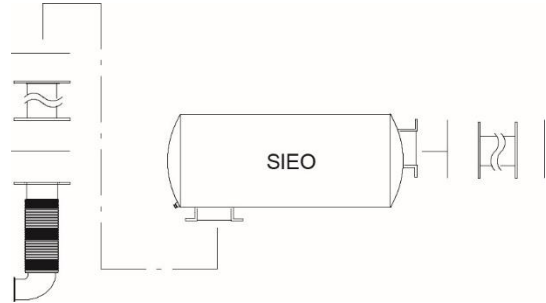
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 6 in. *	1	—
Weld Flange 6 in. †	2	—
Critical Silencer SIEO	1	6 in.
* Kit includes (1) flex tube, (1) exhaust flange, and (1) exhaust clamp. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.		



Diesel Fuel

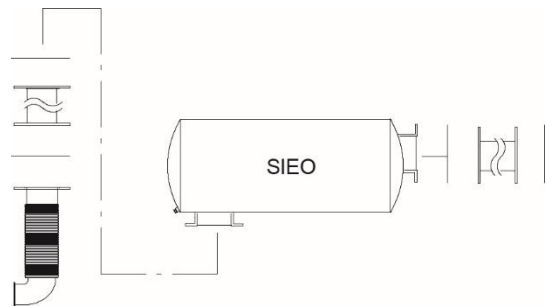
300/450REOZDD

Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 8 in. *	1	—
Weld Flange 8 in. †	2	—
Hospital Silencer SIEO	1	8 in.
Critical Silencer SIEO	1	8 in.
* Kit includes exhaust clamp and kits for 400REOZDC/450REOZDB include an insulation blanket. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.		



350-500REOZJ, 350-500REOZJB, 350-500REOZJC, and 350/400REOZJD

Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 8 in. *	1	—
Weld Flange 8 in. †	2	—
Critical Silencer SIEO	1	8 in.
* Kit includes exhaust clamp and an insulation blanket. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.		

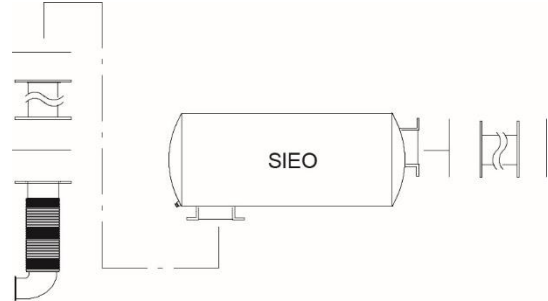


Diesel Fuel

500REOZVB and 500REOZVC

Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 10 in. *	1	—
Weld Flange 10 in. †	2	—
Hospital Silencer SIEO	1	10 in.
Critical Silencer SIEO	1	10 in.

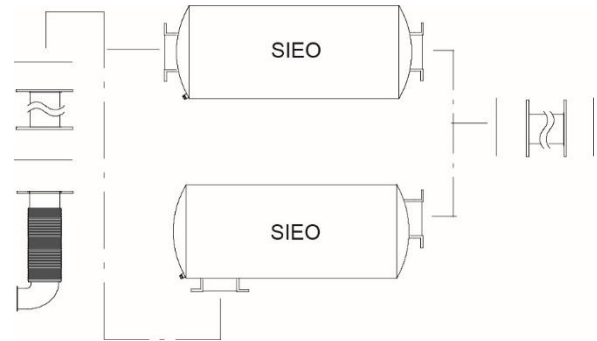
* Kit includes mounting hardware.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



550/600REOZV and 550/600REOZVB

Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 10 in. *	1	—
Weld Flange 10 in. †	2	—
Hospital Silencer SIEO	1	10 in.
Critical Silencer SIEO	1	10 in.

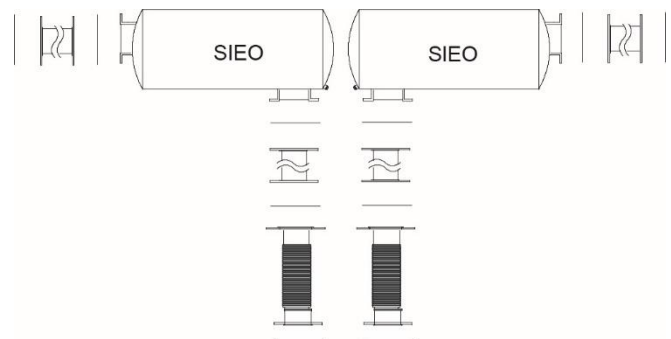
* Kit includes mounting hardware.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



700-1000REOZDE (with dual silencers)

700-1000REOZDE				
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out	
			50 Hz	60 Hz
Flex Exhaust 8 in. *	1	2	—	—
Weld Flange 10 in. †	—	2	—	—
Hospital Silencer SIEO	2	1	8 in.	8 in.
Critical Silencer SIEO	2	1	8 in.	8 in.

* Kit includes (2) flex tubes, (2) gaskets, and mounting hardware.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



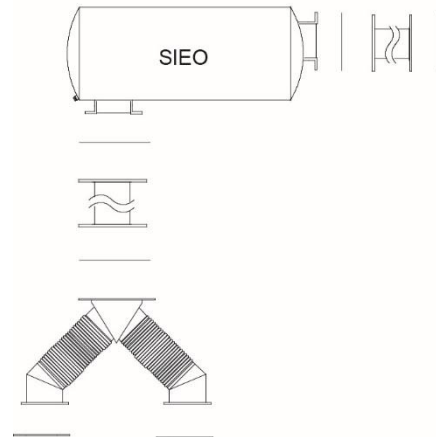
Diesel Fuel

700-1000REOZDE (with single silencer)

700-1000REOZDE				
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out	
			50 Hz	60 Hz
Flex Exhaust (weye) *	1	1	8 in./10 in.	8 in./10 in.
Weld Flange 10 in. †	—	2	—	—
Hospital Silencer SIEO	1	1	10 in.	10 in.
Critical Silencer SIEO	1	1	10 in.	10 in.

900/1000REOZDE				
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out	
			50 Hz	60 Hz
Flex Exhaust (weye) *	1	1	8 in./12 in.	8 in./12 in.
Weld Flange 12 in. †	—	2	—	—
Hospital Silencer SIEO	1	1	12 in.	12 in.
Critical Silencer SIEO	1	1	12 in.	12 in.

* Kit includes (1) flex weye tube, (2) gaskets, and the mounting hardware.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



1250-2250REOZDD and 2500REOZDC

1250/1500REOZDD		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust (weye) *	1	10 in./14 in.
Weld Flange 14 in. or 16 in. †	2	—
Hospital Silencer SIEO	1	14 in./16 in.
Critical Silencer SIEO	1	14 in.

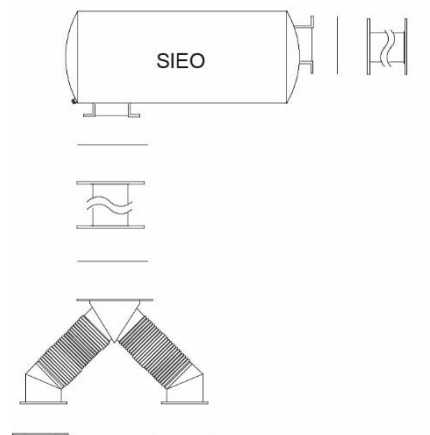
1750REOZDD		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust (weye) *	1	10 in./14 in.
Weld Flange 14 in. or 16 in. †	2	—
Hospital Silencer SIEO	1	14 in./16 in.
Critical Silencer SIEO	1	14 in./16 in.

2000REOZDD		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust (weye) *	1	10 in./14 in.
Weld Flange 14 in., 16 in., or 18 in. †	2	—
Hospital Silencer SIEO	1	14 in./18 in.
Critical Silencer SIEO	1	14 in./16 in.

2250REOZDD		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Exhaust (weye) *	1	10 in./14 in.
Weld Flange 14 in. or 18 in. †	2	—
Hospital Silencer SIEO	1	14 in./18 in.
Critical Silencer SIEO	1	14 in.16 in.

2500REOZDC		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Exhaust (weye) in. *	1	10 in./20 in.
Weld Flange 20 in. †	2	—
Hospital Silencer SIEO	1	20 in.
Critical Silencer SIEO	1	20 in.

* Kit includes (1) flex weye tube, (2) gaskets, and the mounting hardware.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.

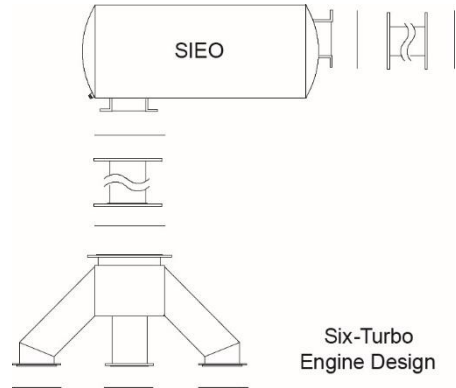


Diesel Fuel

2500/2800REOZDB and 3000/3250REOZD

Exhaust System Kits for Six-Turbo Engine Design	Qty. in Kit	Size, In/Out	
		50 Hz	60 Hz
Exhaust (wye) ‡	1	10 in./18 in.	10 in./20 in.
Weld Flange 18 in. or 20 in. §	2	—	—
Hospital Silencer SIEO	1	18 in.	20 in.
Critical Silencer SIEO	1	18 in.	20 in.

‡ Kit includes (1) wye tube, (2) gaskets, and the mounting hardware.
§ One kit includes (2) exhaust flanges, (2) gaskets, and mounting hardware. See Weld Flange Kits for additional data.
Note: The generator set flex exhaust is standard.

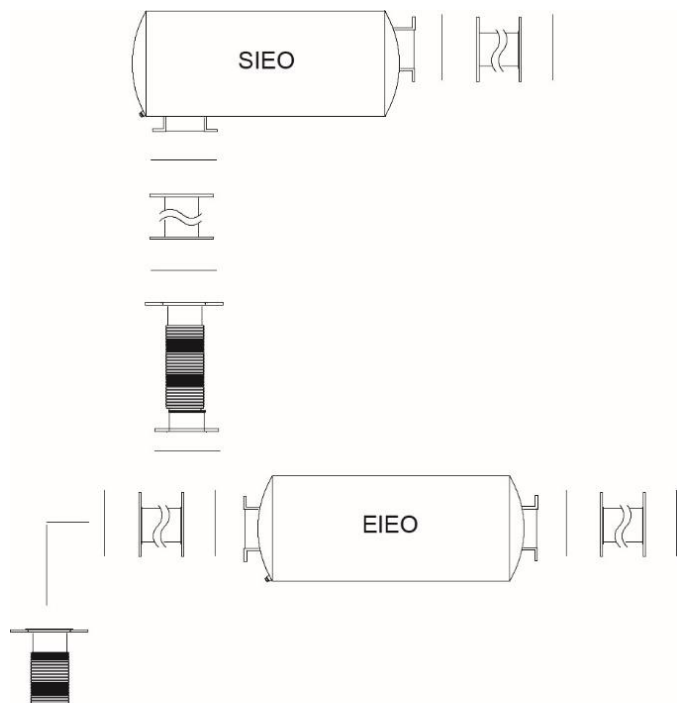


600REOZM, 750-2000REOZMD, and 750-2000ROZMC

600REOZM		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 12 in. *	1	—
Weld Flange 12 in. †	2	—
Hospital Silencer EIEO	1	12 in.
Hospital Silencer SIEO	1	
Critical Silencer EIEO	1	12 in.
Critical Silencer SIEO	1	
750/800REOZMD and 750/800ROZMC		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 12 in. *	1	—
Weld Flange 12 in. †	2	—
Hospital Silencer SIEO	1	12 in.
Critical Silencer SIEO	1	12 in.
900/1000REOZMD and 900/1000ROZMC		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 12 in. or 14 in. *	1	—
Weld Flange 12 in. or 14 in. †	2	—
Hospital Silencer EIEO	1	12 in.
Hospital Silencer SIEO	1	14 in.
Critical Silencer EIEO	1	12 in.
Critical Silencer SIEO	1	
1250REOZMD and 1250ROZMC		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 14 in. *	1	—
Weld Flange 14 in.,or 16 in. †	2	—
Hospital Silencer SIEO	1	14 in./16 in.
Critical Silencer SIEO	1	14 in.
1600REOZMD and 1600ROZMC		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 14 in. *	1	—
Weld Flange 14 in.,or 16 in. †	2	—
Hospital Silencer SIEO	1	14 in./16 in.
Critical Silencer SIEO	1	14 in./16 in.
1750REOZMD and 1820/2000ROZMC		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 14 in. *	1	—
Weld Flange 14 in., 16 in., or 18 in. †	2	—
Hospital Silencer SIEO	1	14 in./18 in.
Critical Silencer SIEO	1	14 in./16 in.

2000REOZMD		
Exhaust System Kits	Qty. in Kit	Size, In/Out
Flex Exhaust 14 *	1	—
Weld Flange 14 in. or 18 in. †	2	—
Hospital Silencer SIEO	1	14 in./18 in.
Critical Silencer SIEO	1	14 in./16 in.

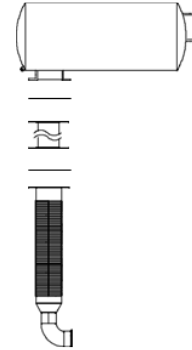
* Kit includes (1) flex wye tube, (2) gaskets, and the mounting hardware.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



Diesel Fuel

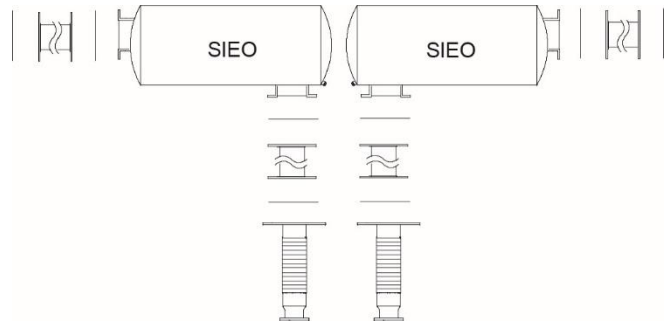
KD700-KD750 (with single silencers)

Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 10 in. *	1	1	—
Weld Flange 10 in. †	—	2	—
Hospital Silencer SIEO	1	1	10 in.
Critical Silencer SIEO	1	1	10 in.
Residential Silencer SIEO	1	1	10 in.
* Kit includes (1) flex tube and mounting hardware. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.			



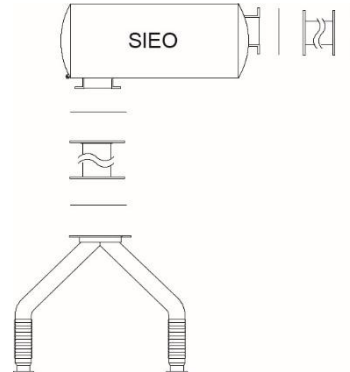
KD800-KD1000 (with dual silencers)

Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 8 in. *	1	2	—
Weld Flange 8 in. †	—	2	—
Hospital Silencer SIEO	2	1	8 in.
Critical Silencer SIEO	2	1	8 in.
* Kit includes (2) flex tubes and mounting hardware. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.			



KD800-KD1000 (with single silencer)

Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust (wye) 12 in. *	1	1	—
Weld Flange 12 in. †	—	2	—
Hospital Silencer SIEO	1	1	12 in.
Critical Silencer SIEO	1	1	12 in.
* Kit includes (1) flex tube and mounting hardware. Exhaust elbow gaskets are supplied on the engine. † One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.			

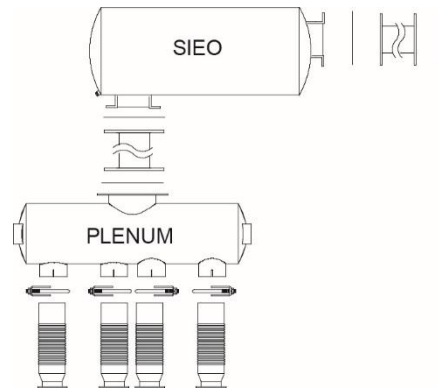


Diesel Fuel

KD1250-1750 including KD1250-A (with single silencer)

KD1250-KD1750 including KD1250-A			
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 14 in. *	1	4	—
Weld Flange 14 or 16 in. †	—	2	—
Hospital Silencer SIEO	1	1	14 in./16 in.
Critical Silencer SIEO	1	1	14 in./16 in.

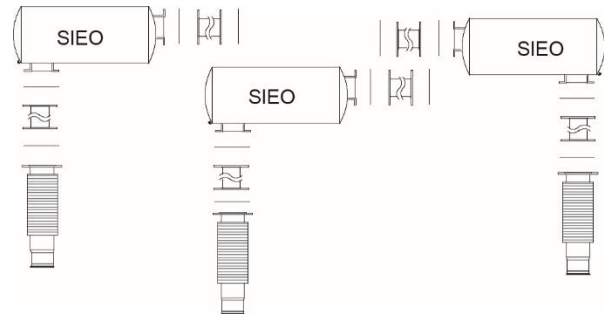
* Kit includes (4) flex exhaust tubes, (4) gaskets, and plenum. Gaskets are supplied on the engine.
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



KD2000-KD2500 (with three silencers, KD62V12 engine)

KD2000-KD2500			
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 10 in. *	1	3	—
Weld Flange 10 in. †	—	3	—
Hospital Silencer SIEO	3	1	10 in.
Critical Silencer SIEO	3	1	10 in.

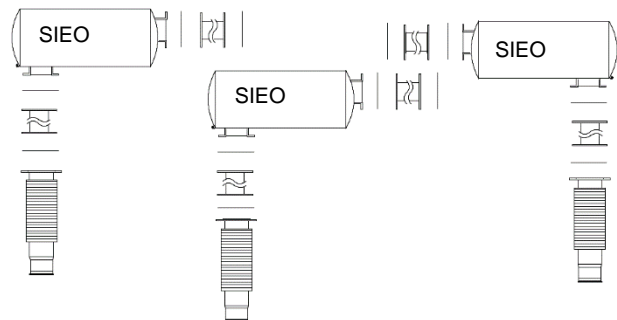
* Kit includes (3) flex tubes. Exhaust elbow gaskets are supplied on the engine.
† One kit includes (3) exhaust flanges, (3) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



KD2000-KD2500 (with three silencers, KD62V12A engine)

KD2000-KD2500			
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 8 in. *	1	3	—
Weld Flange 8 in. †	—	3	—
Hospital Silencer SIEO	3	1	10 in.
Critical Silencer SIEO	3	1	10 in.

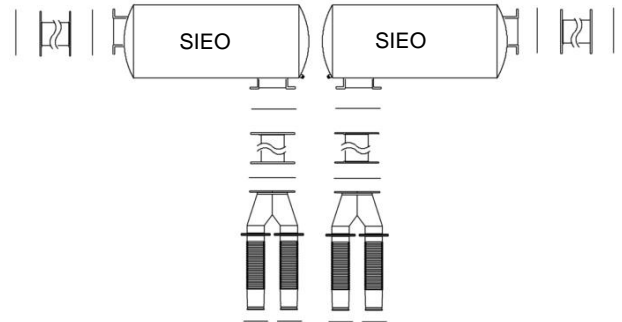
* Kit includes (3) flex tubes. Exhaust elbow gaskets are supplied on the engine.
† One kit includes (3) exhaust flanges, (3) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.



Diesel Fuel

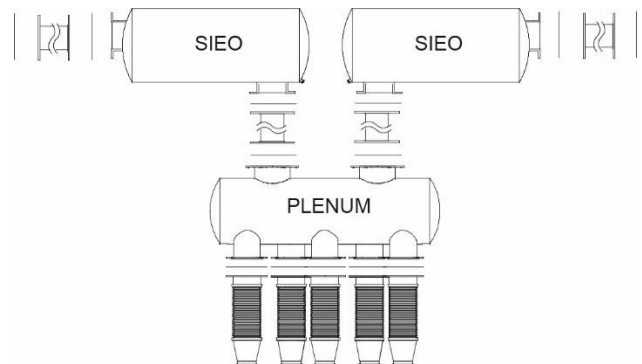
KD2800-KD3250 (with dual silencers, KD83V16 and KD83V16A engine)

KD2800-KD3250			
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust (wye) 14 in. *	1	2	—
Weld Flange 14 in. or 16 in. †	—	2	—
Hospital Silencer SIEO	2	1	14 in./16 in.
Critical Silencer SIEO	2	1	14 in.
* Kit includes (4) flex tubes, (2) wye pipes, and hardware and exhaust gaskets to connect the flex tubes to the wye pipes.			
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.			



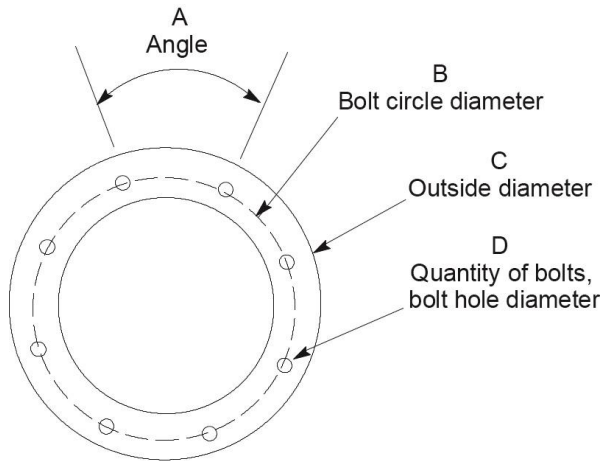
KD3500-KD4000 (with dual silencers)

KD3500-KD4000			
Exhaust System Kits	No. of Kits Required	Qty. in Kit	Size, In/Out
Flex Exhaust 14 in. *	1	5	—
Weld Flange 14 in. or 16 in. †	—	2	—
Hospital Silencer SIEO	2	1	14 in./16 in.
Critical Silencer SIEO	2	1	14 in./16 in.
* Kit includes (5) flex exhaust tubes, (5) gaskets, and plenum. Exhaust elbow gaskets are supplied on the engine.			
† One kit includes (2) exhaust flanges, (2) gaskets, and the mounting hardware. See Weld Flange Kits for additional data.			



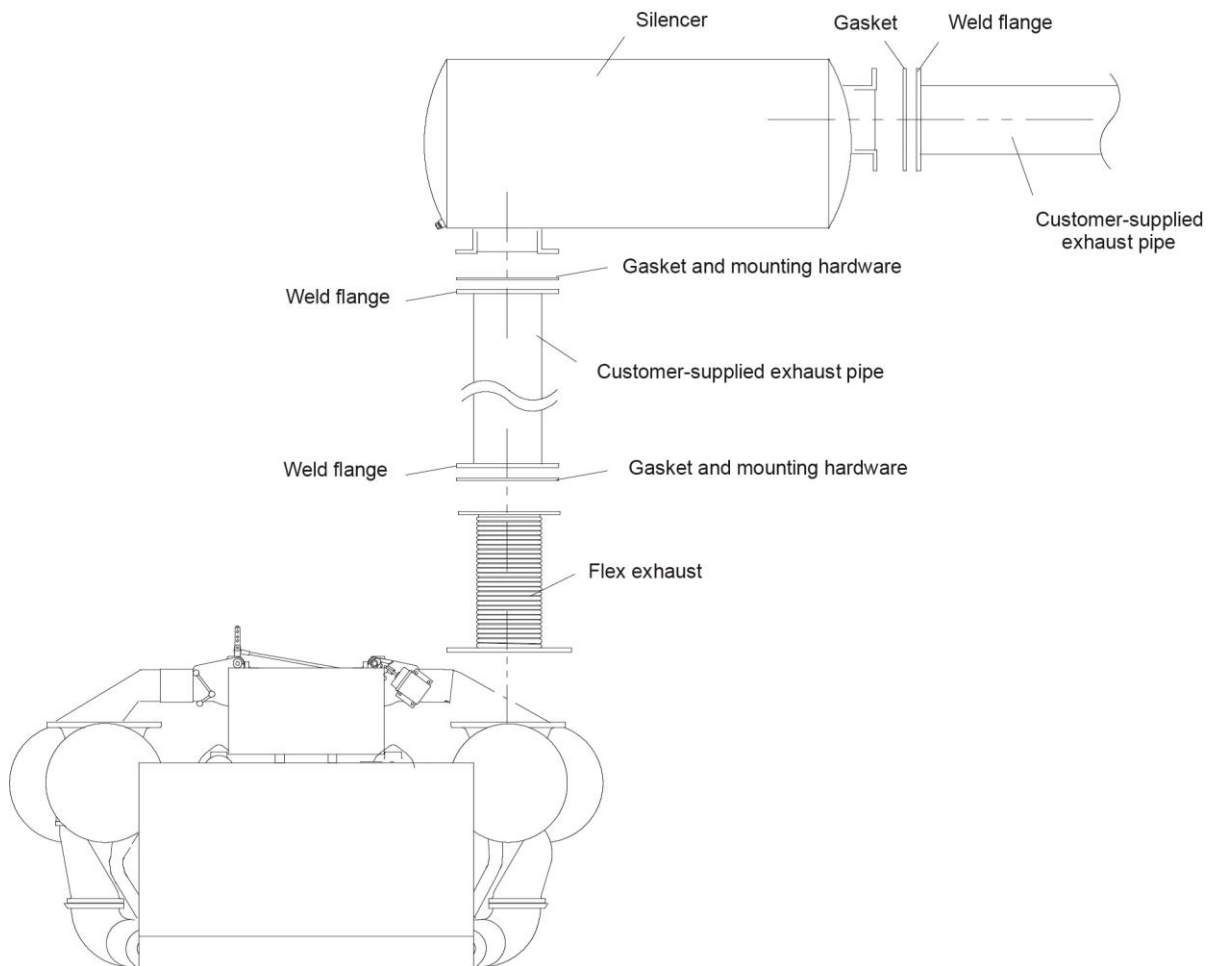
Weld Flange Kits

Use the weld flange kit to connect the exhaust silencer to customer-supplied exhaust pipe. One weld flange kit includes two exhaust flanges, two gaskets, and the mounting hardware.



Weld Flange Dimensions

ANSI Class 150 Flange Dimensions				
Nominal Pipe Size, in.	A deg.	B mm (in.)	C mm (in.)	D Qty., mm (in.)
4	45	190.50 (7.50)	228.6 (9.0)	8, 19.05 (0.75)
5	45	215.90 (8.50)	254.0 (10.0)	8, 22.23 (0.88)
6	45	241.30 (9.50)	279.4 (11.0)	8, 22.23 (0.88)
8	45	298.45 (11.75)	342.9 (13.5)	8, 22.23 (0.88)
10	30	361.95 (14.25)	406.4 (16.0)	12, 25.40 (1.00)
12	30	431.80 (17.00)	482.6 (19.0)	12, 25.40 (1.00)
14	30	476.25 (18.75)	533.4 (21.0)	12, 28.58 (1.13)
16	22.5	539.75 (21.25)	596.9 (23.5)	16, 28.58 (1.13)
18	22.5	577.85 (22.75)	635.0 (25.0)	16, 31.75 (1.25)
20	18	635.00 (25.00)	698.5 (27.5)	20, 31.75 (1.25)



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