

on LINE on
on DEMAND on CALL

Industrial Power Systems Catalog

5.5 kVA – 630 kVA, 50 HZ

10 kW – 550 kW, 60 HZ

KOHLER[®]

WORK WITH POWER PROFESSIONALS WHO ARE ALWAYS **on**

Electrical contractors, engineers and facilities managers seeking reliable backup power get it from a source that's always ready. Always innovating. KOHLER commercial-grade backup power systems are powerful, fast, automatic, quiet, clean. Always ... on.

Integrated solutions to streamline the specifying process. A support network that circles the globe. Continuous product development. Kohler is all this and, more importantly, the power of people who can think through your challenges and offer real answers.



Kohler, builder of the first modern generator in 1920, is a global power systems manufacturer and rental power provider. Kohler — with manufacturing in the U.S., China, India and Singapore — serves the North America and Asia-Pacific markets. All global markets receive superior service from Kohler authorized distributors.

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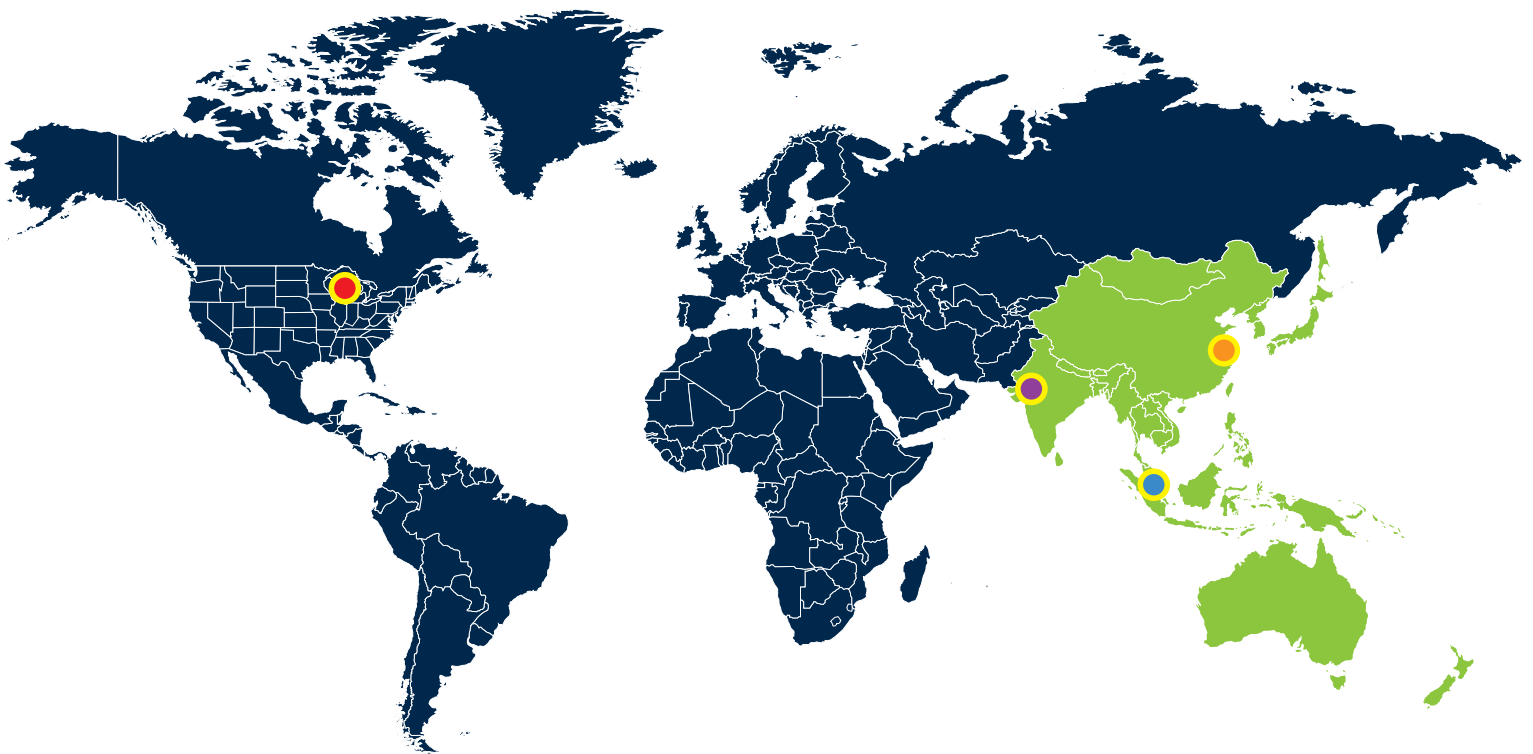
YOU'RE COVERED. NO MATTER WHERE YOU ARE.





STANDBY POWER SYSTEMS MUST BE RELIABLE. THERE ARE NO OPTIONS. THERE ARE NO EXCUSES.

Every KOHLER power system is reliable because total integration is engineered in from the start. So when the utility power fails, accurate monitoring, immediate communication and seamless engagement of standby power is never in doubt. The power will be on, because the KOHLER Power Professionals behind the equipment are on. Always.

Kohler's distribution network, including nine sales offices, covers countries throughout the Asia-Pacific region, which receives power systems manufactured in Kohler's Asia facilities.

KOHLER industrial gensets are diesel-fueled models ranging from 5.5 kVA to 3300 kVA @50 hz (11 kW to 3200 kW @60 hz) complete with electronic controls and automatic transfer switches. To help cater to individual installation environments, Kohler also offers a range of accessories including controls, silencers, enclosures, fuel tanks and block heaters.



-  Kohler Headquarters/Manufacturing – U.S.
-  Kohler Headquarters/Manufacturing – Singapore
-  Kohler Manufacturing – China
-  Kohler Manufacturing – India

POWER PRODUCTS FROM
5.5 kVA TO 40 kVA/50 Hz
10 kW TO 40 kW/60 Hz



KM11.5 generator, shown with DEC1000 control



KM30U generator, shown with DEC1000 control

THREE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230-400 V				Specifications, 60 Hz, 277-480 V				General Specifications								
Generator Set Model(1)	kVA		Fuel Consumption 3/4 L/h	Generator Set Model(2)	kW		Fuel Consumption 3/4 L/h	Engine				Alternator		Unhoused Version (5)		
	Prime Power(3)	Standby Power(4)			Prime Power(3)	Standby Power(4)		Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl. L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KM15H(8)	—	15	4.2	—	—	—	—	L3E SDH	3L	76	70	0.95	FT2MBS	1.41 x 0.72 x 1.03	294	50
KM20H(8)	—	20	5.5	—	—	—	—	S3L2 SDH	3L	78	92	1.3	ECO3-2L	1.41 x 0.72 x 1.05	386	50
KM27H(8)	—	27	6.3	—	—	—	—	S4L2 SDH	4L	78	92	1.8	ECO28-2L	1.70 x 0.90 x 1.12	530	100
KM7.5	6.8	7.5	1.7	—	—	—	—	L3 E SD	3L	76	70	1	ECO3-2S	1.41 x 0.72 x 1.03	307	50
KM11.5	10.5	11.5	2.5	KM11U	10	11	3.2	S3L2 SD	3L	78	92	1.318	ECO3-1L	1.41 x 0.72 x 1.05	387	50
KM16	14.5	16	3.4	KM16U	15	16	4.2	S4L2 SD	4L	78	92	1.758	ECO3-2L	1.41 x 0.72 x 1.05	406	50
KM22	20	22	4.7	KM20U	18	20	5.6	S4 Q2 SD	4L	88	103	2.5	ECO28-1L	1.70 x 0.90 x 1.12	560	100
KM33	30	33	6	KM30U	27	30	8.2	S4S SD	4L	94	120	3.3	ECO28VL	1.70 x 0.90 x 1.14	660	100
KM44	40	44	7.3	KM40U	36	40	8.7	S4S DT	4L	94	120	3.33	ECO32-3S	1.70 x 0.90 x 1.16	680	100

SINGLE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230 V				Specifications, 60 Hz, 240 V				General Specifications								
Generator Set Model(7)	kVA		Fuel Consumption 3/4 L/h	Generator Set Model(7)	kW		Fuel Consumption 3/4 L/h	Engine				Alternator		Unhoused Version (5)		
	Prime Power(3)	Standby Power(4)			Prime Power(3)	Standby Power(4)		Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl. L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KM11.5HM(8)	—	11.5	4.2	—	—	—	—	L3E SDH	3L	76	70	0.95	ECO3-2L	1.41 x 0.72 x 1.03	318	50
KM5.5M	5	5.5	1.7	—	—	—	—	L3E SD	3L	76	70	0.95	ECO3-2S	1.41 x 0.72 x 1.03	307	50
KM9M	7.8	8.6	2.5	KM11UM	9.1	10	3.2	S3L3 SD	3L	78	92	1.3	ECO3-2L	1.41 x 0.72 x 1.05	396	50
KM12M	11	12.1	3.4	KM16UM	14	15	4.2	S4L2 SD	4L	78	92	1.75	ECO28-1L	1.41 x 0.72 x 1.05	452	50
KM17M	15.6	17.2	4.7	KM20UM	18	20	5.6	S4Q2 SD	4L	88	103	2.5	ECO28VL	1.70 x 0.90 x 1.12	580	100
—	—	—	—	KM30UM	27	30	8.2	S4S SD	4L	94	120	3.33	ECO28VL	1.70 x 0.90 x 1.14	660	100
—	—	—	—	KM40UM	36	40	8.7	S4S DT	4L	94	120	3.33	LSA432M45	2.16 x 0.97 x 1.4	922	100

(1) Also available in the following voltages: 240/415 V, 220/380 V, 127/220 V, 115/220 V.

(2) Also available in the following voltages: 254/440 V, 127/220 V, 120/208 V.

(3) Prime power in direct current for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528, a 10% overload capacity is available for a period of 1 hour every 12-hour period of operation, in accordance with ISO3046-1.

(4) Emergency standby power available for supplying emergency power in variable load applications in accordance with ISO8528-1, no overload available for this service.

(5) The dimensions and weights apply to an unhoused generator set without options.

(6) Dry weight, without fuel.

(7) Also available in the following voltages: 220-240 V.

(8) 3000 rpm engine.

POWER PRODUCTS FROM

22 kVA TO 440 kVA/50 Hz

18 kW TO 400 kW/60 Hz



KD100U generator, shown with DEC4000 or 1000 control



KD200 generator, shown with DEC4000 or 1000 control

THREE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230-400 V				Specifications, 60 Hz, 277-480 V				General Specifications								
Generator Set Model(1)	kVA		Fuel Consumption 3/4 L/h	Generator Set Model(2)	kW		Fuel Consumption 3/4 L/h	Engine				Alternator		Unhoused Version (5)		
	Prime Power(3)	Standby Power(4)			Prime Power(3)	Standby Power(4)		Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl, L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KD22	20	22	5.2	KD20U	16	18	6.3	3029DF120	3L	106	110	2.9	ECO28-1L/4	1.70 x 0.89 x 1.22	720	100
KD33	30	33	5.2	KD30U	25	28	6.3	3029DF120	3L	106	110	2.9	ECO28VL	1.70 x 0.89 x 1.22	740	100
KD44	40	44	8.4	KD40U	36	40	10.1	3029TF120	3L	106	110	2.9	ECO32-3S	1.70 x 0.89 x 1.22	820	100
KD66	60	66	12	KD60U	55	60	14.5	4045TF120	4L	106	127	4.5	432M45	1.87 x 0.99 x 1.36	1000	180
KD77	70	77	12	KD70U	64	70	14.5	4045TF120	4L	106	127	4.5	432L65	1.87 x 0.99 x 1.36	1110	180
KD88	80	88	14	KD80U	73	80	16	4045TF220	4L	106	127	4.5	432L8	1.87 x 0.99 x 1.36	1110	180
KD110	100	110	16.5	KD100U	91	100	19	4045HF120	4L	106	127	4.5	442VS45	1.95 x 1.08 x 1.33	1240	190
KD130	120	132	18.5	KD120U	106	117	24	6068TF220	6L	106	127	6.7	442S7	2.37 x 1.11 x 1.48	1570	340
KD165	150	165	25	KD150U	137	150	29	6068HF120-153	6L	106	127	6.7	442M95	2.37 x 1.11 x 1.48	1640	340
KD200	182	200	31.3	KD175U	159	175	36.1	6068HF120-183	6L	106	127	6.7	462M3	2.37 x 1.11 x 1.48	1730	340
KD220	200	220	32.6	KD200U	182	200	36.9	6068HF475	6L	106	127	6.7	462M5	2.37 x 1.11 x 1.48	1790	340
KD275	250	275	40.1	—	—	—	—	6081HF001	6L	116	129	8.1	462L6	2.90 x 1.30 x 1.70	2170	390
KD300	275	303	42.6	KD250U	227	250	46.1	6081HF001	6L	116	129	8.1	462L9	2.90 x 1.30 x 1.68	2235	390
—	—	—	—	KD275U	250	275	47.4	6081HF070-318	6L	116	129	8.1	462L9	2.90 x 1.30 x 1.70	2280	390
KD400	365	402	59.4	KD350U	318	350	76	6125HF070	6L	127	165	12.5	472VS2	3.16 x 1.34 x 1.79	3090	470
KD440	400	440	59.4	KD400U	363	400	76	6125HF070	6L	127	165	12.5	472VS3	3.16 x 1.34 x 1.79	3120	470

SINGLE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230 V				Specifications, 60 Hz, 240 V				General Specifications								
Generator Set Model(7)	kVA		Fuel Consumption 3/4 L/h	Generator Set Model(7)	kW		Fuel Consumption 3/4 L/h	Engine				Alternator		Unhoused Version (5)		
	Prime Power(3)	Standby Power(4)			Prime Power(3)	Standby Power(4)		Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl, L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KD24M	22	24	5.2	KD30UM	25	28	6.3	3029DF120	3L	106	110	2.9	ECO32-3S	1.70 x 0.89 x 1.22	800	100
—	—	—	—	KD40UM	36	40	10.1	3029TF120	3L	106	110	2.9	432M45	1.70 x 0.89 x 1.22	860	100
—	—	—	—	KD70UM	61	67	14.5	4045TF120	4L	106	127	4.5	442VS45	1.87 x 0.99 x 1.36	1150	190

(1) Also available in the following voltages: 240/415 V, 220/380 V, 127/220 V, 115/220 V.

(2) Also available in the following voltages: 254/440 V, 127/220 V, 120/208 V.

(3) Prime power in direct current for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528, a 10% overload capacity is available for a period of 1 hour every 12-hour period of operation, in accordance with ISO3046-1.

(4) Emergency standby power available for supplying emergency power in variable load applications in accordance with ISO8528-1, no overload available for this service.

(5) The dimensions and weights apply to an unhoused generator set without options.

(6) Dry weight, without fuel.

(7) Also available in the following voltages: 220-240 V.

POWER PRODUCTS FROM
220 kVA TO 630 kVA/50 Hz
200 kW TO 550 kW/60 Hz



KV400U generator, shown with DEC4000 control



KV630 generator, shown with DEC4000 control

THREE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230-400 V				Specifications, 60 Hz, 277-480 V				General Specifications								
Generator Set Model(1)	kVA		Fuel Consumption 3/4 L/h	Generator Set Model(2)	kW		Fuel Consumption 3/4 L/h	Engine				Alternator		Unhoused Version(5)		
	Prime Power(3)	Standby Power(4)			Prime Power(3)	Standby Power(4)		Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl. L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KV220	200	220	32.5	KV200U	182	200	36.5	TAD733GE	6L	108	130	7.2	462M5	2.37 x 1.11 x 1.54	1850	340
KV275	250	275	42.6	—	—	—	—	TAD734GE	6L	108	130	7.15	462L6	2.9 x 1.3 x 1.7	N/A	390
—	—	—	—	KV250U	227	250	45.7	TAD734GE	6L	108	130	7.15	462L9	2.9 x 1.3 x 1.7	N/A	390
KV350	300	330	50.6	KV300U	273	300	52.8	TAD941GE	6L	120	138	9.4	462VL12	3.16 x 1.34 x 1.76	2850	470
KV375	341	375	50.6	—	—	—	—	TAD941GE	6L	120	138	9.4	472VS2	3.16 x 1.34 x 1.76	2780	470
—	—	—	—	KV350U	319	350	58.5	TAD1241GE	6L	131	150	12.1	472VS2	3.16 x 1.34 x 1.80	2900	470
KV410	375	413	55	—	—	—	—	TAD1241GE	6L	131	150	12.1	472VS3	3.16 x 1.34 x 1.81	3190	470
KV440	400	440	59.5	KV400U	364	400	67.8	TAD1242GE	6L	131	150	12.1	472VS3	3.16 x 1.34 x 1.81	3238	470
KV500	450	500	69.2	KV450U	409	450	78.39	TAD1640GE	6L	144	165	16.1	472S5	3.47 x 1.63 x 2.04	3490	500
KV550	500	550	75.4	KV500U	455	500	88.79	TAD1641GE	6L	144	165	16.1	472M7	3.47 x 1.63 x 2.04	3620	500
KV630	573	630	85	—	—	—	—	TAD1642GE	6L	144	165	16.1	472L9	3.47 x 1.63 x 2.08	3780	610
—	—	—	—	KV550U	500	550	97.07	TAD1642GE	6L	144	165	16.1	472M7	3.47 x 1.63 x 2.08	3650	610

(1) Also available in the following voltages: 240/415 V, 220/380 V, 127/220 V, 115/220 V.

(2) Also available in the following voltages: 254/440 V, 127/220 V, 120/208 V.

(3) Prime power in direct current for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528, a 10% overload capacity is available for a period of 1 hour every 12-hour period of operation, in accordance with ISO3046-1.

(4) Emergency standby power available for supplying emergency power in variable load applications in accordance with ISO8528-1, no overload available for this service.

(5) The dimensions and weights apply to an unhoused generator set without options.

(6) Dry weight, without fuel.

(7) Also available in the following voltages: 220-240 V.

N/A Not available

STANDARD FEATURES AND OPTIONS

This chart shows option codes (examples: EN01, CEL02, etc.). Feature codes refer to specific option descriptions but are not part numbers for ordering purposes.										
Contact your authorized distributor for ordering options for a given generator set.										
	KM11U, KM11.5, KM15H, KM20H, KM5.5, KM7.5, KM9, KM11.5	KM12, KM16, KM17, KM20U, KM22, KM27H, KM30U, KM33	KM40U, KM40UM, KM44	KD20U, KD22, KD24M, KD30U, KD33, KD40U, KD44	KD60U, KD66, KD70U, KD77, KD80U, KD88, KD100U, KD110	KD120U, KD130, KD150U, KD165, KD175U, KD200	KD200U, KD220, KD250U, KD275U, KD300	KD350U, KD400, KD400U, KD440	All KV Models	
Engine										
Four-stroke water-cooled diesel engine	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Mechanical governor	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	N/A	N/A
Electronic governor	N/A	EN01(1)	EN01	EN01	EN01	EN01	EN01	EN01 (7)	Standard	Standard
Standard air filter	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Air filter with interchangeable cartridge	N/A	EN02(2)	EN02	EN02	EN02	EN02	EN02	EN02	EN02	EN02
Block heater, 220/240 V	EN20	EN20	EN20	EN20	EN20	EN20	EN20	EN20	EN20	EN20
Control and interface unit (CIU)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	EN22(6)
Alternator										
Single-bearing alternator, IP 23, T° class =H, insulation class H	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Anti-condensation heater	N/A	N/A	N/A	N/A	N/A	AL01	AL01	AL01	AL01	AL01
Reinforced insulation	N/A	N/A	N/A	N/A	N/A	AL05	AL05	AL05	AL05	AL05
Synchronizing CT coupling plus 3-function regulator	N/A	N/A	N/A	N/A	N/A	N/A	X(5)	X	X	X
AREP excitation	N/A	N/A	N/A	N/A	N/A	AL11	AL11	AL11	AL11	AL11
Permanent magnet generator (PMG) plus regulator	N/A	N/A	N/A	N/A	N/A	AL12	AL12	AL12	AL12	AL12
Generator Set										
Electric panel in compliance with CE	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
CSA NRTL/C compliance	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03
Power circuit breaker	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Mechanically welded chassis with vibromounts	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Kohler cream beige standard color	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Engine Fluids										
Supplied with oil and coolant, -30°C	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Oil drain plug	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Oil drain pump	EN04	EN04	EN04	EN04	EN04	EN04	EN04	EN04	EN05	EN05
Exhaust System										
Silencer, 9 dBA, supplied separately	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Remove standard silencer, 9 dBA,	EN07	EN07	EN07	EN07	EN07	EN07	EN07	EN07	EN07	EN07
Adaptable 9 dBA silencer (not compatible with CEL 02)	EN12	EN12	EN12	EN12	EN12	EN12	EN12	N/A	N/A	N/A
Silencer, 29 dBA, supplied separately	EN08	EN08	EN08	EN08	EN08	EN08	EN08	EN08	EN08	EN08
Silencer, 40 dBA, supplied separately	EN09	EN09	EN09	EN09	EN09	EN09	EN09	EN09	EN09	EN09
Extension piece, 40 cm	EN13	EN13	EN13	EN13	EN13	EN13	EN13	N/A	N/A	N/A
Exhaust flexible pipe	EN10	EN10	EN10	EN10	EN10	EN10	EN10	EN10	EN11	EN11
Manifold protective grill (mandatory for CE)	CEL02	CEL02	CEL02	CEL02	CEL02	CEL02	CEL02	CEL02	CEL02	CEL02
Cooling System										
Radiator for max. wiring harness T° 50°C with drain valve (depending on model)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Supplied without coolant	FD11	FD11	FD11	FD11	FD11	FD11	FD11	FD11	FD11	FD11
Protection grill for fan and revolving parts	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Radiator wiring harness protective grill	EN14	EN14	EN14	EN14	EN14	EN14	EN14	EN14	EN14	EN14
Starting System										
Charging alternator and starter motor voltage	12V	12V	12V	12V	12V	12V	12V	12V	24V	24V(3)
Batteries with cables and battery mounting	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
No battery or battery mounting (cables are supplied)	EN15	EN15	EN15	EN15	EN15	EN15	EN15	EN15	EN15	EN15
Battery isolating switch	EN16	EN16	EN16	EN16	EN16	EN16	EN16	EN16	EN16	EN16
Diesel Fuel System										
Subbase fuel tank	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Subbase fuel tank with secondary containment basin	FD02	FD02	FD02	FD02	FD02	FD02	FD02	FD02	FD02	FD02
Diesel outlet not connected (no tank)	FD01	FD01	FD01	FD01	FD01	FD01	FD01	FD01	FD01	FD01
Automatic fuel fill kit for subbase fuel tank	FD15	FD15	FD15	FD15	FD15	FD15	FD15	FD15	FD15	FD15
Automatic fuel fill kit for separate tank	FD08	FD08	FD08	FD08	FD08	FD08	FD08	FD08	FD08	FD08
Automatic fuel fill kit, 2 pumps	N/A	N/A	N/A	FD09	FD09	FD09	FD09	FD09	FD09	X
Fluid recovery tank	Standard	Standard	Standard	Standard	Standard	Standard	N/A	N/A	N/A	N/A
Bulk tank on DT	N/A	N/A	N/A	N/A	N/A	N/A	FD04	FD04	FD04	FD04
Water separator fuel filter	FD05	FD05	FD05	FD05	FD05	FD05	FD05	FD05	FD05	FD05
Separate tank on 500 L tank	FD06	FD06	FD06	FD06	FD06	FD06	FD06	FD06	FD06	FD06
Separate tank on 1000 L tank	N/A	N/A	N/A	N/A	N/A	N/A	FD07	FD07	FD07	FD07
Bulk tank level alarm for separate tank(5)	FD14	FD14	FD14	FD14	FD14	FD14	FD14	FD14	FD14	FD14
Accessories										
User manual and installation manual (paper version), French, English or Spanish	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
User manual and installation manual (paper version), French, English or Spanish(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)	AD21(4)
User manual and installation manual (CD version), French, English or Spanish	AD22	AD22	AD22	AD22	AD22	AD22	AD22	AD22	AD22	AD22
Engine parts catalog (paper version)	AD31	AD31	AD31	AD31	AD31	AD31	AD31	AD31	AD31	AD31
Engine parts catalog (CD version)	AD32	AD32	AD32	AD32	AD32	AD32	AD32	AD32	AD32	AD32
Engine repair and workshop manual (paper version)	AD41	AD41	AD41	AD41	AD41	AD41	AD41	AD41	AD41	AD41
Engine repair and workshop manual (CD version)	AD42	AD42	AD42	AD42	AD42	AD42	AD42	AD42	AD42	AD42
Tool kit	AD05	AD05	AD05	AD05	AD05	AD05	AD05	AD05	AD05	AD05
Tool box	AD06	AD06	AD06	AD06	AD06	AD06	AD06	AD06	AD06	AD06

X Several options possible; contact your authorized distributor.

FD01 Available at no additional cost.

N/A Not available.

(1) Not available on KM12 and KM16. (2) Not available on KM12 and KM16UM. (3) 12 V for KV200U and KV220. (4) Additional copy of production literature. (5) Not available on KD130 and KD165.

(6) Not available on KV200U and KV220. (7) Standard on KD200U, KD220 and KD275U.

GENERATOR SET ENCLOSURES



M229 Enclosure

All KOHLER® generator sets are compliant with directive 2000/14/CE, and its products are checked and validated by the approved laboratory CETIM.

STANDARD FEATURES AND OPTIONS

This chart shows option codes (examples: SIM, EN04, TR31, etc.). Feature codes refer to specific option descriptions but are not part numbers for ordering purposes. Contact your authorized distributor for ordering options for a given generator set.

	Enclosures				
	M126	M127, M128, M129	M226	M227, M228, M229	M230
General Specifications					
Assembled soundproofing enclosure	SiM	SiM	SiM	SiM	SiM
Non-assembled soundproofing enclosure (supplied as a kit)(1)	SiK	SiK	N/A	N/A	N/A
Kohler cream beige standard color	Standard	Standard	Standard	Standard	Standard
Special color (lead time 8 weeks)	CN08	CN08	CN08	CN08	CN08
Electrogalvanized steel panels before paint application protected by a rust-resistant polyester powder coat	Standard	Standard	Standard	Standard	Standard
Dichromate galvanized hardware and stainless steel rivets, polyamide or anodized aluminum alloy hinges, seals provided by flexible joints between the body work components	Standard	Standard	Standard	Standard	Standard
Soundproofing foam between 20-50 mm thick	Standard	Standard	Standard	Standard	Standard
Bulk tank on day service tank	N/A	N/A	FD04	FD04	FD04
Fluid recovery tank	Standard	Standard	N/A	N/A	N/A
High containment double wall chassis	FD02	FD02	FD02	FD02	FD02
Safety					
Lockable doors with a unique key	Standard	Standard	Standard	Standard	Standard
Lockable control unit porthole	Standard	Standard	Standard	Standard	Standard
Emergency stop button installed on outside of enclosure	Standard	Standard	Standard	Standard	Standard
Access to diesel, oil and battery behind lockable doors	Standard	Standard	Standard	Standard	Standard
Protective guard for rotating parts	Standard	Standard	Standard	Standard	Standard
Exhaust integrated into the enclosure	Standard	Standard	Standard	Standard	Standard
Horizontal exhaust discharge hood	CN03	CN03	CN03	CN03	CN03
Remote connection terminal block for armored cables	CN06	CN06	CN06	CN06	N/A
Socket kit, 400-volt, 3-phase, plus neutral(2)	CN04	CN04	N/A	N/A	N/A
Handling					
Lifting ring (number of points)	1	1	1	2	2
Single base panel	N/A	N/A	CN05	CN05	CN05
Maintenance					
Access doors on each side (number)	2+1	2+1	2+2	2+2	2+2
Oil drain pump	EN04	EN04	EN04	EN04	EN06
Electric control unit accessible via a door	Standard	Standard	Standard	Standard	Standard
Trailers(3)					
Road trailer with fixed drawbar and ball attachment	TR10	N/A	N/A	N/A	N/A
Road trailer with hinged drawbar and ring attachment, 68 x 42 mm	TR11	TR11	TR11	N/A	N/A
Pintle ring, 40 mm (DIN German)	TR21	TR21	TR21	N/A	N/A
Pintle ring, 76 mm	TR25	TR25	TR25	N/A	N/A
Ball (universal), 50 mm	TR26	TR26	TR26	N/A	N/A
Spare wheel kit	TR31	TR31	TR31	N/A	N/A

N/A Not available, TR21 Available at no additional cost, (1) This option requires special handling and installation, (2) Requires different protection, (3) Contact your authorized distributor for availability.

GENERATOR SET ENCLOSURES

M126 Enclosure



M127 Enclosure



M128 Enclosure



M129 Enclosure



M226 Enclosure



M227 Enclosure



M228 Enclosure



M230 Enclosure



THREE-PHASE GENERATOR SETS AND ENCLOSURES

Specifications, 50 Hz				Specifications, 60 Hz		General Specifications			
Generator Set Model	Sound Power, LwA	Sound Pressure		Generator Set Model	Sound Pressure, dBA @ 7 m	Enclosure	Tank Capacity, L	Dimensions L x W x H, m	Weight, kg (1)
		dBA @ 1 m	dBA @ 7 m						
KM7.5	86	70.1	60.1	—	—	M126	50	1.75 x 0.72 x 1.23	455
KM11.5	86.1	70.4	60.4	KM11U	62.5	M126	50	1.75 x 0.72 x 1.23	535
KM15H	96	80.8	70.8	—	—	M126	50	1.75 x 0.72 x 1.23	442
KM16	87	70.7	60.7	KM16U	64	M126	50	1.75 x 0.72 x 1.23	554
KM20H	96	80.8	70.8	—	—	M126	50	1.75 x 0.72 x 1.23	534
KM22	87	71	61	KM20U	65.4	M127	100	2.08 x 0.96 x 1.42	790
KM27H	97	81	71	—	—	M127	100	2.08 x 0.96 x 1.42	752
KM33	90	73	63	KM30U	66.3	M127	100	2.08 x 0.96 x 1.42	890
KM44	91	71.1	61.1	KM40U	69.2	M127	100	2.08 x 0.96 x 1.42	920
KD22	91	74.9	65	KD20U	67.6	M127	100	2.08 x 0.96 x 1.42	950
KD33	91	74.9	65	KD30U	67.6	M127	100	2.08 x 0.96 x 1.42	970
KD44	90	73.4	63	KD40U	67	M127	100	2.08 x 0.96 x 1.42	1040
KD66	92	75.6	66	KD60U	66	M128	180	2.30 x 1.08 x 1.68	1410
KD77	92	75.6	66	KD70U	67	M128	180	2.30 x 1.08 x 1.68	1530
KD88	92	79.5	70	KD80U	73.1	M128	180	2.30 x 1.08 x 1.68	1530
KD110	94	77	67	KD100U	70	M129	190	2.55 x 1.17 x 1.68	1640
KD130	96	77.6	67.6	KD120U	68.9	M226	340	3.51 x 1.20 x 1.83	2160
KD165	91	78.6	68.8	KD150U	68.9	M226	340	3.51 x 1.20 x 1.83	2230
KD200	95	79.4	69	KD175U	68.9	M226	340	3.51 x 1.20 x 1.83	2320
KD220	95	78.6	68.6	KD200U	70.1	M226	340	3.51 x 1.20 x 1.83	2390
KD275	95	79.5	69.5	—	—	M227	390	4.00 x 1.38 x 2.13	3150
KD300	95	79.5	69.5	KD250U	72.5	M227	390	4.00 x 1.38 x 2.13	3215
—	—	—	—	KD275U	71.3	M227	390	4.00 x 1.38 x 2.13	3230
KD400	96	76.2	66.5	KD350U	71	M228	470	4.48 x 1.41 x 2.43	4220
KD440	96	76.3	66.6	KD400U	71	M228	470	4.48 x 1.41 x 2.43	4250
KV220	96.6	78.5	68.5	KV200U	71.7	M226	340	3.51 x 1.20 x 1.83	2490
KV275	96.5	77.8	67.8	KV250U	N/A	M227	390	4.00 x 1.38 x 2.13	N/A
KV350	97	77.2	67	KV300U	69.9	M228	470	4.48 x 1.41 x 2.43	3980
KV375	97	77.2	67	—	—	M228	470	4.48 x 1.41 x 2.43	3910
KV410	96	79.7	70	KV350U	73	M228	470	4.48 x 1.41 x 2.43	4320 (50 Hz) 4040 (60 Hz)
KV440	96	79.7	70	KV400U	73	M228	470	4.48 x 1.41 x 2.43	4320
KV500	97	77.6	68	KV450U	73.8	M229	500	5.03 x 1.56 x 2.44	4740
KV550	97	78.1	68	KV500U	75	M229	500	5.03 x 1.56 x 2.44	4870 (50 Hz) 5170 (60 Hz)
KV630	100	81.8	71.5	KV550U	75.4	M230	610	5.03 x 1.69 x 2.66	5300

SINGLE-PHASE GENERATOR SETS AND ENCLOSURES

Specifications, 50 Hz				Specifications, 60 Hz		General Specifications			
Generator Set Model	Sound Power, Lwa	Sound Pressure		Generator Set Model	Sound Pressure, dBA @ 7 m	Enclosure	Tank Capacity, L	Dimensions L x W x H, m	Weight, kg (1)
		dBA @ 1 m	dBA @ 7 m						
KM5.5M	86	70.1	60.1	—	—	M126	50	1.75 x 0.72 x 1.23	455
KM9M	86	70.4	60.4	KM11UM	62.5	M126	50	1.75 x 0.72 x 1.23	544
KM11.5HM	96	80.8	70.8	—	—	M126	50	1.75 x 0.72 x 1.23	466
KM12M	87	70.7	60.7	KM16UM	64	M126	50	1.75 x 0.72 x 1.23	600
KM17M	87	71	61	KM20UM	65.4	M127	100	2.08 x 0.96 x 1.42	810
—	—	—	—	KM30UM	66.3	M127	100	2.08 x 0.96 x 1.42	940
—	—	—	—	KM40UM	69.2	M127	100	2.08 x 0.96 x 1.42	960
KD24M	91	74.9	65	KD30UM	67.6	M127	100	2.08 x 0.96 x 1.42	1020
—	—	—	—	KD40UM	67	M127	100	2.08 x 0.96 x 1.42	1090
—	—	—	—	KD70UM	67	M129	190	2.55 x 1.17 x 1.68	1550

(1) Dry weight, without fuel

GENERATOR SET CONTROLS

DEC4000

THE KOHLER® DEC4000 CONTROL UNIT is straightforward and user-friendly, with the emphasis on communication USB connections, PC connections, control software and remote operation.



THE DEC4000 DESIGN OFFERS SIMPLICITY WITH A REDUCED NUMBER OF BUTTONS TO OPERATE YOUR GENERATOR SET.

ADDITIONAL
FEATURES
INCLUDE:

- | Integrated maintenance monitoring programs (on-screen display of future maintenance operations)
- | Built-in troubleshooting tool guides the user in the event of any alarms or faults
- | Ability to send e-mail, SMS or Fax in the event of any alarms or faults as an option
- | Optional tropical insulation of the circuit boards to provide protection in extremely humid conditions
- | Compliance with various requirements or regulations (CE, UL, etc.)
- | Screen with contrast adapted to all types of lighting
- | Five languages featured, with numerous other optional languages
- | Remote monitoring and field updates via USB connection

GENERATOR SET CONTROLS

DEC 4000

SPECIFICATIONS

	Standard	Optional		Standard	Optional
Measurement	Powers (active, reactive) Composite voltages Single voltages Phase current Neutral current Frequency All states of the generator set, all starting phases Analog indicator Battery ammeter		Automatic Functions	Automatic standby Automatic shutdown Four modes Engine stop for auto cooling Speed and voltage stabilization Preheating plug Registering retro information from the normal/emergency switch ⁽¹⁾ Switch from emergency to normal ⁽¹⁾ Switch from normal to emergency ⁽¹⁾ Manual closure of the generator set switch ⁽¹⁾ Manual opening of the generator set switch ⁽¹⁾ Starting on clock ⁽¹⁾ Remote starting order ⁽¹⁾ Three-phase mains detection ⁽⁴⁾	
Engine Parameters	Engine speed indicator Battery voltage indicator Working hours counter		Operational Characteristics	Operation at -20°C to +60°C Humidity: 95% at 45°C; 70% at 50°C; 50% at 60°C	
Controls	Speed/voltage trimming Power on Fuel solenoid valve control Starter control Preheating plug Water preheating Network switch (normal) ⁽¹⁾ Network switch (emergency) ⁽¹⁾		Accessories	Light test Fault reset Rewiring for auto startup Automatic pack (charger+relay and engine preheater resistor) GES pack ⁽⁵⁾ fitted on the genset ⁽⁶⁾ NFPA 110 module (60 Hz) Adjustable differential protection (time and threshold) ⁽²⁾ Sound alarm Ability to connect up to five additional input/output modules (4 inputs/6 outputs)	
Indicator Lights/ Messages	Oil pressure fault Coolant temperature fault Nonstarting fault Overspeed fault Genset ready to supply Charging alternator fault General alarm General fault Panel light STOP, MANU, AUTO, TEST modes Generating set switch closed (normal) ⁽¹⁾ Network switch closed (emergency) ⁽¹⁾ All alarm and/or fault messages				
Safety	Oil pressure fault Coolant temperature fault Emergency stop fault Short circuit or overload fault or alarm⁽²⁾ Battery voltage min/max fault or alarm⁽²⁾ Alternator voltage min/max fault or alarm⁽²⁾ Alternator frequency min/max fault or alarm⁽²⁾ Overspeed fault Presence of differential relay fault ⁽³⁾ Differential relay triggered alarm or fault ^(2,3)				

(1) Control and automatic operation present, but require the "Rewiring for auto startup" option and possibly the configuration of a parameter on the DEC4000.

(2) The choice of alarm or fault is made by programming on the keyboard.

(3) Differential protection is ensured by an exterior module.

(4) DS detection is provided using the source changeover switch as a base. If the source changeover switch is not chosen, the DS module can be fitted in the control unit.

(5) To find out more detailed contents, please contact your KOHLER distributor.

(6) Standard NFE37312.

GENERATOR SET CONTROLS

DEC 1000

THE KOHLER® DEC 1000 CONTROL UNIT enables operation in both manual and automatic modes. Modular in design, it offers high-quality basic functions, allowing easy and reliable operation of your generator set.



Generator Model 50 Hz	Generator Model 60 Hz	DEC1000 Controller	DEC4000 Controller
All KM models	All KM models	Standard	Option
KD22 – KD300	KD20U – KD275U	Standard	Option
KD400 – KD440	KD350U – KD400U	N/A	Standard
KV220	KV200U	Standard	Option
KV275 – KV630	KV250U – KV550U	N/A	Standard

GENERATOR SET CONTROLS

DEC 1000

SPECIFICATIONS

	Standard	Optional
Measurement	Composite voltages ⁽¹⁾ Single voltages ⁽¹⁾ Phase current ⁽¹⁾	
	Frequency	Analog indicator ⁽¹⁾
Engine Parameters	Engine speed indicator Battery voltage indicator Working hours counter Fuel solenoid valve control Starter control Preheating plug Water preheating	
Indicator Lights/ Messages	Oil pressure fault Water temperature fault Nonstarting fault Overspeed fault ⁽¹⁾ Genset ready to supply Charging alternator fault General alarm General fault Panel light Emergency stop fault	

	Standard	Optional
Safety	Overload or short circuit fault Overspeed fault ⁽¹⁾ Differential relay triggered fault	Automatic standby
Automatic Functions		Speed and voltage stabilization Preheating plug Switch from normal to emergency ⁽²⁾ Remote start order Three-phase mains detection ⁽³⁾ Light test
Accessories		Fault reset Prewiring for auto startup Regulated 12V battery charger Adjustable differential protection (time and threshold) Sound alarm Permanent isolation controller

(1) As standard on KD and KV generator sets.

(2) Requires transfer switch with normal/emergency switch option.

(3) Requires transfer switch.

AUTOMATIC TRANSFER SWITCHES

KOHLER® PROVIDES A COMPLETE RANGE OF AUTOMATIC TRANSFER SWITCHES.

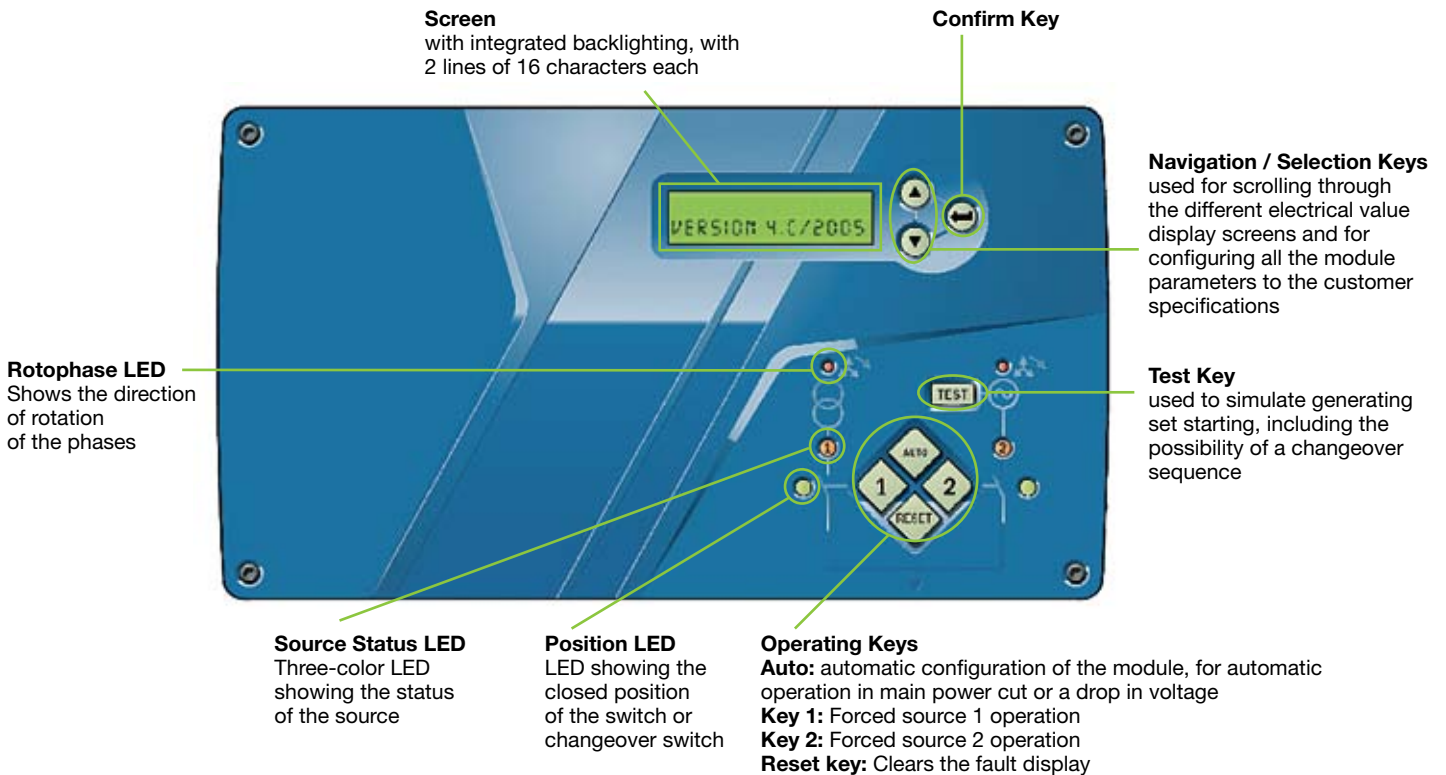
There are a large number of benefits to our technology, both in terms of cost and ease of installation. The design of the control units and boxes enables even cables with large cross sections to be easily connected. The front panel of the unit no longer opens on just one side, like a conventional control unit, but on three sides, allowing total access to all the connections for the power equipment and terminal blocks. All our control units are either three pole or four pole. The control logic module is fitted as standard to our entire range of automatic transfer switches, whatever the rating of their switching component (from 25A to 3200A).

	25A	32A	45A	63A	110A	140A	200A	250A	400A	630	630A	800A	1000A	2000A ⁽¹⁾	2500A ⁽¹⁾	3150A ⁽¹⁾	
Voltage	208-440V	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Changeover	By switches	•	•	•	•	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	By changeover switches	n/a	n/a	n/a	n/a	n/a	n/a	•	•	•	•	•	•	•	•	•	
Dimensions	Height, mm	500	500	500	500	500	500	600	800	800	800	1000	1000	1000	1800 ⁽²⁾	1800 ⁽²⁾	1800 ⁽²⁾
	Width, mm	430	430	430	430	430	430	600	600	600	600	800	800	800	1000	1000	1000
	Depth, mm	200	200	200	200	200	200	250	400	400	400	500	500	500	800	800	800

(1) Integrated into a floor-mounted control box. (2) On a base plate h=200 mm, i.e., control box of height 1600 mm + 200 mm.

AUTOMATIC TRANSFER SWITCHES

BOTH INNOVATIVE AND ORIGINAL IN DESIGN, THE TRANSFER SWITCH IS PERFECTLY SUITED TO APPLICATIONS WHERE THE TRANSFER OF A MAIN SOURCE TO A REPLACEMENT SOURCE IS CRUCIAL FOR THE RUNNING OF YOUR INSTALLATIONS. Straightforward and easy to use, the special feature of this module is that it is automatically configured when voltage is provided from the grid side. By simply pressing the AUTO key, the following parameters are configured: grid voltage, voltage min/max thresholds, type of use and frequency min/max thresholds. Electronic switching of the power source means that the unit can be continuously self-supplied.



Two lines on the screen, enabling simultaneous display of the voltage on the grid side and the generator set side. The same applies to the frequency. Six LEDs provide instantaneous information on the position status of both of the two sources, along with any alarms and faults that arise. The transfer switch also offers three configurable inputs and two outputs, as an option.

Kohler Asia Pacific Headquarters

Kohler Power Systems – Asia Pacific
7 Jurong Pier Road
Singapore 619159
Phone: +65 6264 6422
Fax: +65 6264 6455
E-mail: sales@kohler.com.sg
Web site: Kohler.com.sg

China Manufacturing

Kohler Power Systems, Ltd.
Kohler Road, Xin Bei District
Changzhou, Jiangsu 213032
China
Phone: +86 519 8515 2728
Fax: +86 519 592 2259 / 592 2250

India Manufacturing

Lombardini India Private Ltd
POB 754 J-2/1 MIDC Ind. Aerea
Chikalthana
431210 Aurangabad
India
Phone: +91 / 240/2471452
Fax: +91/240 / 2486234

Sales Offices

China

Kohler Power Systems – Asia Pacific
Shanghai Representative Office
Unit 19 B, Huamin Empire Plaza
726 Yan An Road (W)
Shanghai 200050 PRC
Phone: +86 21 5238 9966
Fax: +86 21 5238 5880
E-mail: inquiry@kohlerpower.com.cn
Web site: Kohler.com.sg

Kohler Power Systems – Asia Pacific
Beijing Representative Office
Unit 518, Talent International Building
No. 80 Guang Qu Men Inner Avenue
Chong Wen District
Beijing 100062 PRC
Phone: +86 10 5169 6700
Fax: +86 10 5169 6705
E-mail: inquiry@kohlerpower.com.cn
Web site: Kohler.com.sg

Kohler Power Systems – Asia Pacific
Shenzhen Office
Room 915, 9/F, Qiushi Center
Zhuzilin, Shennan Avenue
Futian District
Shenzhen
Guangdong 518040 PRC
Phone: +86 755 8831 6791
Fax: +86 755 8831 6790
E-mail: inquiry@kohlerpower.com.cn
Web site: Kohler.com.sg

Kohler Power Systems – Asia Pacific
Chengdu Office
Room 801, Minhang Zongnan Building
No. 19, 2nd Ring Road, Sec 2S
Chengdu 610041 PRC
Phone: +86 28 8290 9287
Fax: +86 28 8522 3611
E-mail: inquiry@kohlerpower.com.cn
Web site: Kohler.com.sg

Kohler Power Systems – Asia Pacific
Xi'an Office
Unit 5003, Western Electronic Trading City
No. 18, Dianziyilu, Xi'an
Shaanxi 710065 PRC
Phone: +86 29 8827 2260
Fax: +86 29 8827 2265
E-mail: inquiry@kohlerpower.com.cn
Web site: Kohler.com.sg

South Asia

Kohler India Corporation Pvt Ltd
#138/6, 6th 'A' Cross
Raj Mahal Vilas Extension
Sadashivnagar
Bangalore 560 080
India
Phone: +91 80 2361 6208 / 6831 / 0231
Fax: +91 80 2361 5972
E-mail: info@kohlerindia.com
Web site: Kohler.com.sg

Kohler India Corporation Pvt Ltd
'Tarangan', 1098/8-B,
Opp. DSK Toyota Showroom
Model Colony, Pune – 411 016
India
Phone: +91-20-25666311
Fax: +91 20 25666311
E-mail: info@kohlerindia.com
Web site: Kohler.com.sg

Kohler India Corporation Pvt Ltd
6th Floor, Office Tower,
Ambience Island,
NH-8, Gurgaon-122001
India
E-mail: info@kohlerindia.com
Web site: Kohler.com.sg

North Asia

Kohler Power Systems – Asia Pacific
North Asia Office
SBS Hills-II, No. 53
4-10-3, Yoga, Setagaya-Ku
Tokyo 158-0097
Japan
Phone: +81 3 6807 1730
Fax: +81 3 3708 4377
E-mail: kawasaki@kohler.co.jp
Web site: Kohler.com.sg

Kohler Power Systems – Asia Pacific
Room 1707 Lg Twintel 2
157-3 Samsung –Dong
Gangnam-Gu
Seoul 135-090
Korea
Phone: +82 2 563 9266
Fax: +82 2 563 9730
E-mail: chanusohn@kohler-korea.com
Web site: Kohler.com.sg

South East Asia & Taiwan

Kohler Power Systems – Asia Pacific
7 Jurong Pier Road
Singapore 619159
Phone: +65 6264 6422
Fax: +65 6264 6455
E-mail: sales@kohler.com.sg
Web site: Kohler.com.sg

Australasia

Kohler Power Systems – Asia-Pacific
C/O P O Box 324, Highgate
South Australia 5063
Phone: +61 439 338 166
Fax: +61 8 8338 6424
E-mail: bob.morgan@kohler.com.sg
Web site: Kohler.com.sg

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