Industrial Power Systems Catalog

5.5 kVA – 700 kVA, 50 HZ
10 kW – 600 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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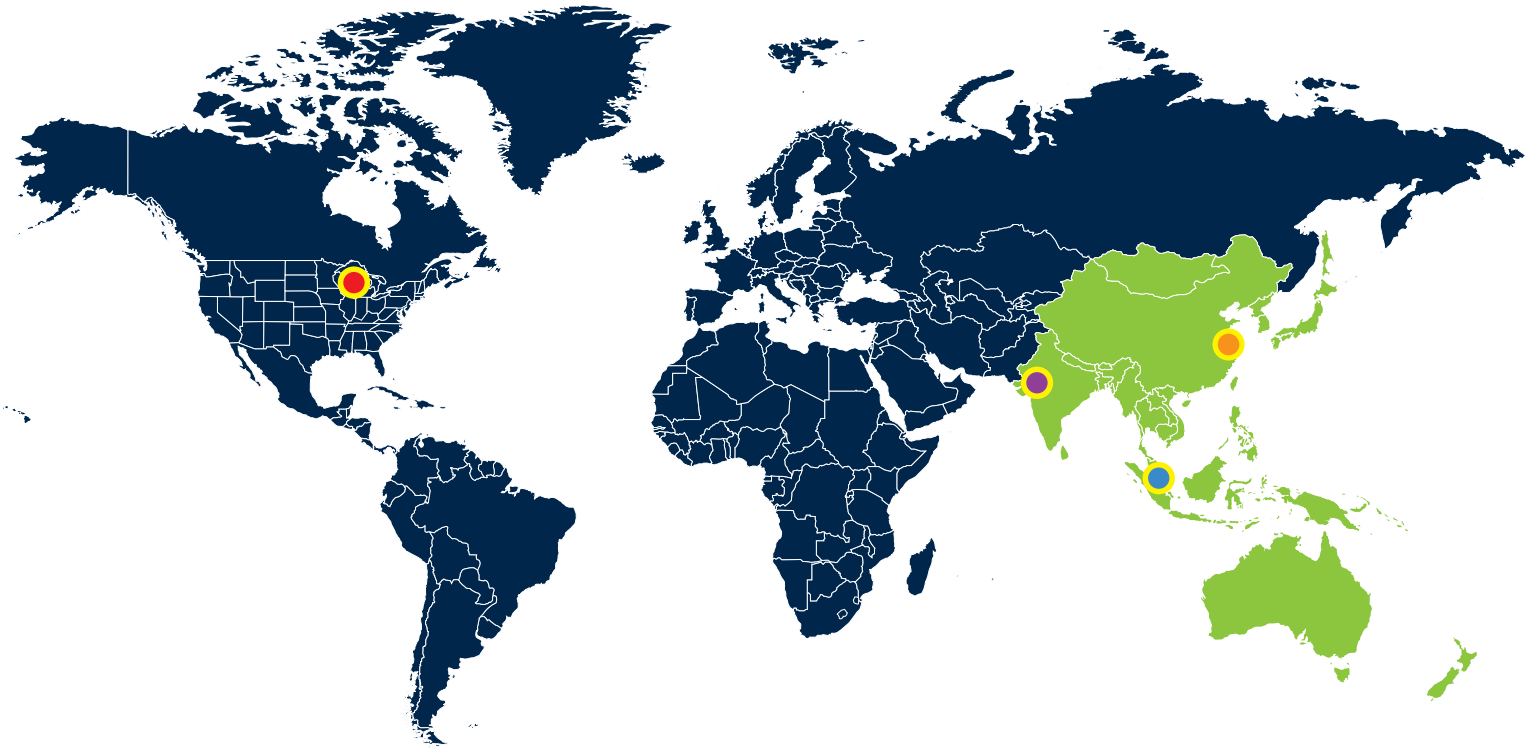
YOU'RE COVERED.
NO MATTER WHERE YOU ARE.

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 thirteen 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 Manufacturing – Singapore
- Kohler Manufacturing – China
- Kohler Manufacturing – India

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POWER PRODUCTS FROM
5.5 kVA TO 44 kVA/50 Hz
10 kW TO 40 kW/60 Hz

KM12H generator, shown with DEC1000 control

KM44 generator, shown with DEC1000 control

THREE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230-400 V				Specifications, 60 Hz, 277-480 V				General Specifications								
	kVA				kW			Engine					Alternator	Unhoused Version (5)		
Generator Set Model(1)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	**Generator Set Model**(2)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl, L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KM9H(8)	—	9	2.6	—	—	—	—	L2E SDH	2L	76	70	0.64	FT2MBS	1.22 x 0.70 x 0.92	240	50
KM12H(8)	—	12	4.2	—	—	—	—	L3E SDH	3L	76	70	0.95	FT2MBS	1.22 x 0.70 x 0.92	260	50
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	1.76	ECO28-2L	1.70 x 0.90 x 1.12	530	100
KM8	6.8	7.5	1.7	—	—	—	—	L3 E SD	3L	76	70	0.95	ECO3-2S	1.22 x 0.70 x 0.92	280	50
KM12	10.5	11.5	2.5	**KM11U**	10	11	3.2	S3L2 SD	3L	78	92	1.32	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	1.76	ECO3-3LN LSA422S4	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 LSA422S5	1.70 x 0.72 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 1.22	680	100

SINGLE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230 V				Specifications, 60 Hz, 240 V				General Specifications								
	kVA				kW			Engine					Alternator	Unhoused Version (5)		
Generator Set Model(7)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	**Generator Set Model**(7)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl, L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KM11HM(8)	—	10.5	4.2	—	—	—	—	L3E SDH	3L	76	70	0.95	ECO3-2L	1.22 x 0.70 x 0.92	280	50
KM6M	5	5.5	1.7	—	—	—	—	L3E SD	3L	76	70	0.95	ECO3-2S	1.22 x 0.70 x 0.92	280	50
KM8HM	—	7.5	2.6	**KM8UM**	6.8	7.5	2.2	L2E SDH	2L	76	70	0.64	S20FS-130	1.22 x 0.70 x 0.92	340	50
KM9M	7.8	8.6	2.5	**KM11UM**	9.1	10	3.2	S3L2 SD	3L	78	92	1.3	ECO3-3LN	1.41 x 0.72 x 1.05	396	50
KM12M	10.9	12	3.4	**KM16UM**	13.6	15	4.2	S4L2 SD	4L	78	92	1.76	ECO28-1L	1.41 x 0.72 x 1.05	452	50
KM17M	15.5	17	4.8	**KM20UM**	18	20	5.6	S4Q2 SD	4L	88	103	2.5	ECO28VL	1.70 x 0.90 x 1.12	580	100
KM17C2M	15.5	17	4.8	—	—	—	—	S4Q2 2261SD	4L	88	103	2.5	ECO28VL	1.70 x 0.90 x 1.12	580	100
KM25C2M	23	25	6.6	—	—	—	—	S4S-Z263SD	4L	94	120	3.33	ECO32-3S	1.70 x 0.90 x 1.14	710	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	1.70 x 0.90 x 1.22	730	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

KD120U generator, shown with DEC4000 or 1000 control

KD400U 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								
	kVA				kW			Engine					Alternator	Unhoused Version (5)		
Generator Set Model(1)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	**Generator Set Model**(2)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	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	**KD20U**	16	18	6.3	3029DF120	3L	106	110	2.9	ECO28-1L	1.70 x 0.89 x 1.22	720	100
KD33	30	33	5	**KD30U**	25	28	6.5	3029DF120	3L	106	110	2.9	ECO28VL LSA422L9	1.70 x 0.89 x 1.22	740	100
KD44	40	44	7.5	**KD40U**	36	40	10.1	3029TF120	3L	106	110	2.9	ECO32-3S LSA432S15	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	LSA432M45	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	LSA432L65 (50Hz) / LSA432L8 (60Hz)	1.87 x 0.99 x 1.36	1110	180
KD88	80	88	14	**KD80U**	73	80	16	4045TF220	4L	106	127	4.5	LSA432L8	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	LSA442VS45	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	LSA442S7	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	LSA442M95	2.37 x 1.11 x 1.48	1640	340
KD200	182	200	31.3	**KD175U**	159	175	39.6	6068HF120-183	6L	106	127	6.7	LSA462M3	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	LSA462M5	2.37 x 1.11 x 1.48	1790	340
KD275	250	275	42.6	—	—	—	—	6081HF001	6L	116	129	8.1	LSA462L6	2.90 x 1.30 x 1.70	2170	390
KD300	275	303	42.6	**KD250U**	227	250	40.1	6081HF001	6L	116	129	8.1	LSA462L9	2.90 x 1.30 x 1.70	2235	390
—	—	—	—	**KD275U**	250	275	47.4	6081HF070-318	6L	116	129	8.1	LSA462L9	2.90 x 1.30 x 1.70	2235	390
KD400	365	402	59.4	**KD350U**	319	350	69.1	6125HF070	6L	127	165	12.5	LSA472VS2	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	LSA472VS3	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								
	kVA				kW			Engine					Alternator	Unhoused Version (5)		
Generator Set Model(7)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	**Generator Set Model**(7)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl, L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
—	—	—	—	**KD30UM**	25	28	6.5	3029DF120	3L	106	110	2.9	ECO32-3S	1.70 x 0.89 x 1.22	800	100
—	—	—	—	**KD40UM**	36	40	8.7	3029TF120	3L	106	110	2.9	LSA432M45	1.70 x 0.89 x 1.22	860	100
—	—	—	—	**KD70UM**	61	67	14.5	4045TF120	4L	106	127	4.5	LSA442VS45	1.87 x 0.99 x 1.36	1240	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.

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POWER PRODUCTS FROM

220 kVA TO 700 kVA/50 Hz
200 kW TO 600 kW/60 Hz

KV440C2 generator, shown with DEC4000 control

KV630C2 generator, shown with DEC4000 control

THREE-PHASE GENERATOR SETS

Specifications, 50 Hz, 230-400 V				Specifications, 60 Hz, 277-480 V				General Specifications								
	kVA				kW			Engine					Alternator	Unhoused Version(5)		
Generator Set Model(1)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	**Generator Set Model**(2)	Prime Power(3)	Standby Power(4)	Fuel Consumption 3/4 L/h	Engine Type	Cyl.	Bore, mm	Stroke, mm	Cyl, L	Type	Dimensions, L x W x H, m	Weight, kg(6)	Tank Capacity, L
KV220C2	200	220	31.7	**KV200U**	182	200	35.2	TAD733GE	6L	108	130	7.15	LSA462M5	2.37 x 1.11 x 1.54	1850	340
KV275C2	250	275	42.6	—	—	—	—	TAD734GE	6L	108	130	7.15	LSA462L6	2.9 x 1.3 x 1.6	2200	390
—	—	—	—	**KV250U**	227	250	45.7	TAD734GE	6L	108	130	7.15	LSA462L9	2.9 x 1.3 x 1.6	2260	390
KV350C2	300	330	50.6	**KV300U**	273	300	52.8	TAD941GE	6L	120	138	9.4	LSA462VL12	3.16 x 1.34 x 1.76	2850	470
KV375C2	341	375	50.6	—	—	—	—	TAD941GE	6L	120	138	9.4	LSA472VS2	3.16 x 1.34 x 1.76	2780	470
—	—	—	—	**KV350U**	319	350	58.5	TAD1241GE	6L	131	150	12.1	LSA472VS2	3.16 x 1.34 x 1.80	3206	470
KV410C2	375	413	55	—	—	—	—	TAD1241GE	6L	131	150	12.1	LSA472VS3	3.16 x 1.34 x 1.81	3190	470
KV440C2	400	440	59.5	**KV400U**	364	400	67.8	TAD1242GE	6L	131	150	12.1	LSA472VS3	3.16 x 1.34 x 1.81	3238	470
KV500C2	450	500	69.2	**KV450U**	409	450	78.4	TAD1640GE	6L	144	165	16.1	LSA472S5	3.47 x 1.50 x 2.04	3490	500
KV550C2	500	550	75.4	**KV500UC2**	455	500	88.8	TAD1641GE	6L	144	165	16.1	LSA472M7	3.47 x 1.50 x 2.04	3620	500
KV630C2	573	630	85.2	—	—	—	—	TAD1642GE	6L	144	165	16.1	LSA472L9	3.47 x 1.63 x 2.08	3780	610
—	—	—	—	**KV550UC2**	500	550	97.1	TAD1642GE	6L	144	165	16.1	LSA472M7	3.47 x 1.63 x 2.08	3650	610
KV700C2	636	700	94.5	**KV600UC2**	545	600	105.7	TWD1643GE	6L	144	165	16.1	LSA491S4	3.47 x 1.63 x 2.08	3890	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 IS08528, a 10% overload capacity is available for a period of 1 hour every 12-hour period of operation, in accordance with IS03046-1.
(4) Emergency standby power available for supplying emergency power in variable load applications in accordance with IS08528-1, 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, KM12, KM15H, KM20H, KM6M, KM8, KM9M	KM12, KM16, KM17C2M, KM20UM, KM22, KM27H, KM30U, KM33	KM40U, KM40UM, KM44	KD20U, KD22, KD30U, KD33, KD40U, KD44	KD60U, KD66, KD70U, KD77, KD80U, KD88, KD100U, KD110	KD120U, KD130, KD150U, KD165, KD175U, KD200	KD200U, KD220, KD250U, KD275, 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
Mechanical governor	Standard	Standard	Standard	Standard	Standard	Standard	Standard	N/A	N/A
Electronic governor	N/A	EN01(1)	EN01	EN01	EN01	EN01	EN01(7)	Standard	Standard
Standard air filter	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
Block heater, 220/240 V	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	EN22(6)
Alternator									
Single-bearing alternator, IP 23, T° class =H, insulation class H	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Anti-condensation heater	N/A	N/A	N/A	N/A	AL01	AL01	AL01	AL01	AL01
Reinforced insulation	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	X(5)	X	X	X
AREP excitation	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	AL12	AL12	AL12	AL12	AL12
Generator Set									
Electric panel in compliance with CE	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
CSA NRTL/C compliance	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03	CEL03
Power circuit breaker	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Mechanically welded chassis with vibromounts	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Kohler cream beige standard color	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
Oil drain plug	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Oil drain pump	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
Remove standard silencer, 9 dBA,	EN07	EN07	EN07	EN07	EN07	EN07	EN07	EN07	EN07
Adaptable 9 dBA silencer (not compatible with CEL 02)	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
Silencer, 40 dBA, supplied separately	EN09	EN09	EN09	EN09	EN09	EN09	EN09	EN09	EN09
Extension piece, 40 cm	EN13	EN13	EN13	EN13	EN13	EN13	N/A	N/A	N/A
Exhaust flexible pipe	EN10	EN10	EN10	EN10	EN10	EN10	EN10	EN11	EN11
Manifold protective grill (mandatory for CE)	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
Supplied without coolant	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
Radiator wiring harness protective grill	EN14	EN14	EN14	EN14	EN14	EN14	EN14	EN14	EN14
Starting System									
Charging alternator and starter motor voltage	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
No battery or battery mounting (cables are supplied)	EN15	EN15	EN15	EN15	EN15	EN15	EN15	EN15	EN15
Battery isolating switch	EN16	EN16	EN16	EN16	EN16	EN16	EN16	EN16	EN16
Diesel Fuel System									
Subbase fuel tank	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
Diesel outlet not connected (no tank)	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
Automatic fuel fill kit for separate tank	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	X
Fluid recovery tank	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	FD04	FD04	FD04	FD04
Water separator fuel filter	FD05	FD05	FD05	FD05	FD05	FD05	FD05	FD05	FD05
Separate tank on 500 L tank	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	FD07	FD07	FD07	FD07
Bulk tank level alarm for separate tank(5)	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
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)
User manual and installation manual (CD version), French, English or Spanish	AD22	AD22	AD22	AD22	AD22	AD22	AD22	AD22	AD22
Engine parts catalog (paper version)	AD31	AD31	AD31	AD31	AD31	AD31	AD31	AD31	AD31
Engine parts catalog (CD version)	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
Engine repair and workshop manual (CD version)	AD42	AD42	AD42	AD42	AD42	AD42	AD42	AD42	AD42
Tool kit	AD05	AD05	AD05	AD05	AD05	AD05	AD05	AD05	AD05
Tool box	AD06	AD06	AD06	AD06	AD06	AD06	AD06	AD06	AD06
GENSERVICE 500 Spare Parts	SP 01	SP 01	SP 01	SP 01	SP 01	SP 01	SP 01	SP 01	SP 01
GENSERVICE 1000 Spare Parts	SP 02	SP 02	SP 02	SP 02	SP 02	SP 02	SP 02	SP 02	SP 02

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					
		M125	**M126**	**M127, M128, M129**	**M226**	**M227, M228, M229**	**M230**
General Specifications							
	Assembled soundproofing enclosure	SiM	SiM	SiM	SiM	SiM	SiM
	Non-assembled soundproofing enclosure (supplied as a kit)(1)	N/A	SiK	SiK	N/A	N/A	N/A
	Kohler cream beige standard color	Standard	Standard	Standard	Standard	Standard	Standard
	Special color (lead time 8 weeks)	CN08	CN08	CN08	CN08	CN08	CN08
	Electrogalvanized steel panels before paint application protected by a rust-resistant polyester powder coat	Standard	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	Standard
	Soundproofing foam between 20-50 mm thick	Standard	Standard	Standard	Standard	Standard	Standard
	Bulk tank on day service tank	N/A	N/A	N/A	FD04	FD04	FD04
	Fluid recovery tank	Standard	Standard	Standard	N/A	N/A	N/A
	High containment double wall chassis	N/A	FD02	FD02	FD02	FD02	FD02
Safety							
	Lockable doors with a unique key	Standard	Standard	Standard	Standard	Standard	Standard
	Lockable control unit porthole	Standard	Standard	Standard	Standard	Standard	Standard
	Emergency stop button installed on outside of enclosure	Standard	Standard	Standard	Standard	Standard	Standard
	Access to diesel, oil and battery behind lockable doors	Standard	Standard	Standard	Standard	Standard	Standard
	Protective guard for rotating parts	Standard	Standard	Standard	Standard	Standard	Standard
	Exhaust integrated into the enclosure	Standard	Standard	Standard	Standard	Standard	Standard
	Horizontal exhaust discharge hood	CN03	CN03	CN03	CN03	CN03	CN03
	Remote connection terminal block for armored cables	N/A	CN06	CN06	CN06	CN06	N/A
	Socket kit, 400-volt, 3-phase, plus neutral(2)	CN04	CN04	CN04	N/A	N/A	N/A
Handling							
	Lifting ring (number of points)	1	1	1	1	2	2
	Single base panel	N/A	N/A	N/A	CN05	CN05	CN05
Maintenance							
	Access doors on each side (number)	2+1	2+1	2+1	2+2	2+2	2+2
	Oil drain pump	EN04	EN04	EN04	EN04	EN04	EN06
	Electric control unit accessible via a door	Standard	Standard	Standard	Standard	Standard	Standard
Trailers(3)							
	Road trailer with fixed drawbar and ball attachment	TR10	TR10	N/A	N/A	N/A	N/A
	Road trailer with hinged drawbar and ring attachment, 68 x 42 mm	TR11	TR11	TR11	TR11	N/A	N/A
	Pintle ring, 40 mm (DIN German)	TR21	TR21	TR21	TR21	N/A	N/A
	Pintle ring, 76 mm	TR25	TR25	TR25	TR25	N/A	N/A
	Ball (universal), 50 mm	TR26	TR26	TR26	TR26	N/A	N/A
	Spare wheel kit	TR31	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

M125 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 dBA @ 1 m	Sound Pressure dBA @ 7 m	Generator Set Model	Sound Pressure, dBA @ 7 m	Enclosure	Tank Capacity, L	Dimensions L x W x H, m	Weight, kg (1)
KM8	85	69	59	—	—	M125	50	1.48 x 0.76 x 1.03	390
KM9H	96	78	68	—	—	M125	50	1.48 x 0.76 x 1.03	360
KM12	86.1	70.4	60.4	**KM11U**	62.5	M126	50	1.75 x 0.77 x 1.23	535
KM12H	95	79	69	**—**	—	M125	50	1.48 x 0.76 x 1.03	380
KM15H	96	80.8	70.8	—	—	M126	50	1.75 x 0.77 x 1.23	442
KM16	87	70.7	60.7	**KM16U**	64	M126	50	1.75 x 0.77 x 1.23	554
KM20H	96	80.8	70.8	**—**	—	M126	50	1.75 x 0.77 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 1.06 x 1.68	1410
KD77	92	75.6	66	**KD70U**	67	M128	180	2.30 x 1.06 x 1.68	1530
KD88	92	79.5	70	**KD80U**	73.1	M128	180	2.30 x 1.06 x 1.68	1530
KD110	94	77	67	**KD100U**	70	M129	190	2.55 x 1.15 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 2.14	3150
KD300	95	79.5	69.5	**KD250U**	72.5	M227	390	4.00 x 1.38 x 2.14	3215
—	—	—	—	**KD275U**	71.3	M227	390	4.00 x 1.38 x 2.14	3215
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
KV220C2	97	78.5	68.5	**KV200U**	71.7	M226	340	3.51 x 1.20 x 1.83	2540
KV275C2	96.5	78	68	**KV250U**	73.9	M227	390	4.00 x 1.38 x 2.14	3130 (50 Hz) 3190 (60 Hz)
KV350C2	97	77.2	67	**KV300U**	69.9	M228	470	4.48 x 1.41 x 2.43	3980
KV375C2	97	77.2	67	**—**	—	M228	470	4.48 x 1.41 x 2.43	3910
KV410C2	96	79.7	70	**KV350U**	73	M228	470	4.48 x 1.41 x 2.43	4320 (50 Hz) 4330 (60 Hz)
KV440C2	96	79.7	70	**KV400U**	73	M228	470	4.48 x 1.41 x 2.43	4320
KV500C2	97	77.6	68	**KV450U**	73.8	M229	500	5.03 x 1.56 x 2.44	4740
KV550C2	97	78.1	68	**KV500UC2**	75	M229	500	5.03 x 1.56 x 2.44	4870 (50 Hz) 5170 (60 Hz)
KV630C2	100	81.8	71.5	**KV550UC2**	75.4	M230	610	5.03 x 1.69 x 2.66	5300
KV700C2	105	85.2	75.2	**KV600UC2**	79	M230	610	5.03 x 1.69 x 2.66	5410

SINGLE-PHASE GENERATOR SETS AND ENCLOSURES

Specifications, 50 Hz				Specifications, 60 Hz		General Specifications			
Generator Set Model	Sound Power, Lwa	Sound Pressure dBA @ 1 m	Sound Pressure dBA @ 7 m	Generator Set Model	Sound Pressure, dBA @ 7 m	Enclosure	Tank Capacity, L	Dimensions L x W x H, m	Weight, kg (1)
KM6M	85	69	59	—	—	M125	50	1.48 x 0.76 x 1.03	390
KM8HM	85	78	68	—	—	M125	50	1.48 x 0.76 x 1.03	340
KM9M	86	70.4	60.4	**KM11UM**	62.5	M126	50	1.75 x 0.77 x 1.23	544 (50Hz) 565 (60Hz)
KM11HM	96	79	69	—	—	M125	50	1.48 x 0.76 x 1.03	400
KM12M	87	70.7	60.7	**KM16UM**	65	M126	50	1.75 x 0.77 x 1.23	600
KM17C2M	87	71	61	**KM20UM**	65.4	M127	100	2.08 x 0.96 x 1.42	810
KM25C2M	90	68.6	58.6	—	—	M127	100	2.08 x 0.96 x 1.42	940
—	—	—	—	**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
—	—	—	—	**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 1.15 x 1.68	1630

(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

DEC4000

SPECIFICATIONS

	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
Engine Parameters	**Engine speed indicator**
	Battery voltage indicator
	Working hours counter
Controls	Speed/voltage trimming
	Power on
	Fuel solenoid valve control
	Starter control
	Preheating plug
	Water preheating
	Network switch (normal) (1)
	Network switch (emergency) (1)
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)

	Standard / Optional
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)
Operational Characteristics	**Operation at -20°C to +60°C**
	Humidity: 95% at 45°C; 70% at 50°C; 50% at 60°C
Accessories	**Light test**
	Fault reset
	Prewiring 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)

(1) Control and automatic operation present, but require the "Prewiring 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 – KV700C2	KV250U – KV600UC2	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

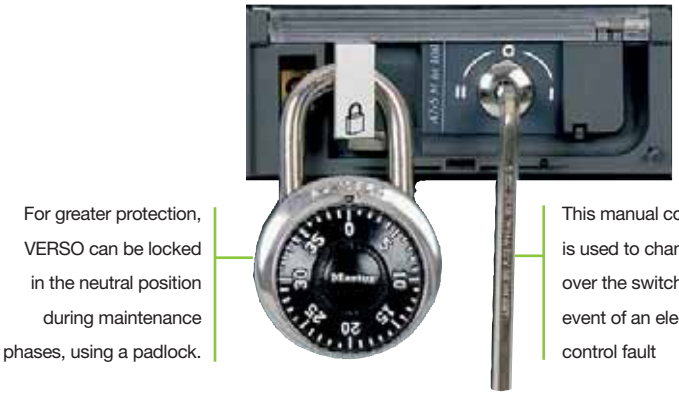
KOHLER offers a new normal/emergency switch for equipment rated from 35 to 160A: VERSO. For equipment with higher ratings, the existing normal/emergency switch coupled to a new version of the TSI module is still available.

VERSO (NEW)

VERSO is not only a changeover switch but it also features integrated mains detection and enables automatic start-up and operation of the generating set in the event of a mains power cut.

To increase the reliability and safety of our changeover system, VERSO now enables switch changeover. This control unit uses a 4-pole system, with voltages from 208 to 440V. The control units are designed to enable even cables with large cross-sections to be easily connected. The control unit can be opened via the front panel and both side panels, providing easy access to the terminal connections. Direct access to the main setting controls means that it is simple to use and any possible configuration modifications can be made easily.

		35A	63A	80A	100A	125A	160A
Voltage	208-440V	•	•	•	•	•	•
Dimensions	Height, mm	400	400	400	400	400	400
	Width, mm	400	400	400	400	400	400
	Depth, mm	200	200	200	200	200	200

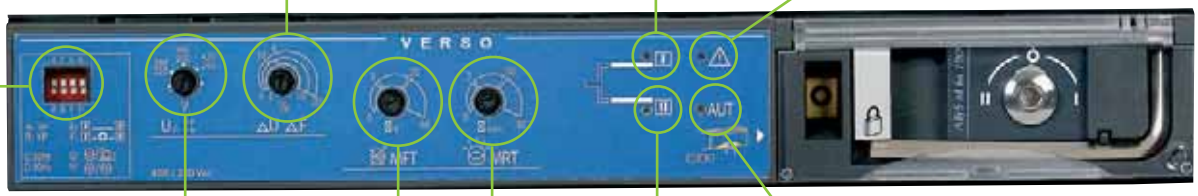


For greater protection, VERSO can be locked in the neutral position during maintenance phases, using a padlock.

This manual control is used to change over the switch in the event of an electrical control fault

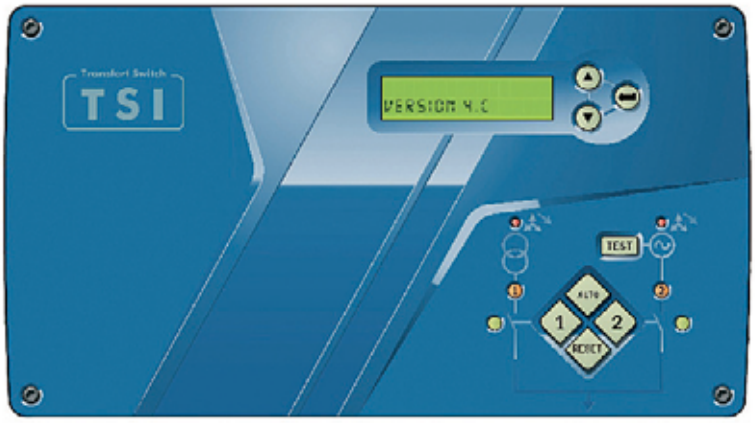
Switch configuration

- **A** Three phase
- **B** Single phase
- **E** Direct switching from grid to generating set
- **F** Switching from grid to generating set via neutral point
- **G** France only
- **H** Operation



TSI

Both innovative and original in design, the TSI 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, frequency min/max thresholds.

Electronic switching of the power source means that the unit can be continuously self-supplied.

		200A	250A	400A	630A	800A	1000A	1600A	2000A(1)	2500A(1)	3150A(1)
Voltage	208-440V	•	•	•	•	•	•	•	•	•	•
Dimensions	Height, mm	800	800	800	800	1000	1000	1000	1800(2)	1800(2)	1800(2)
	Width, mm	600	600	600	600	800	800	800	1000	1000	1000
	Depth, mm	200	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.

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