

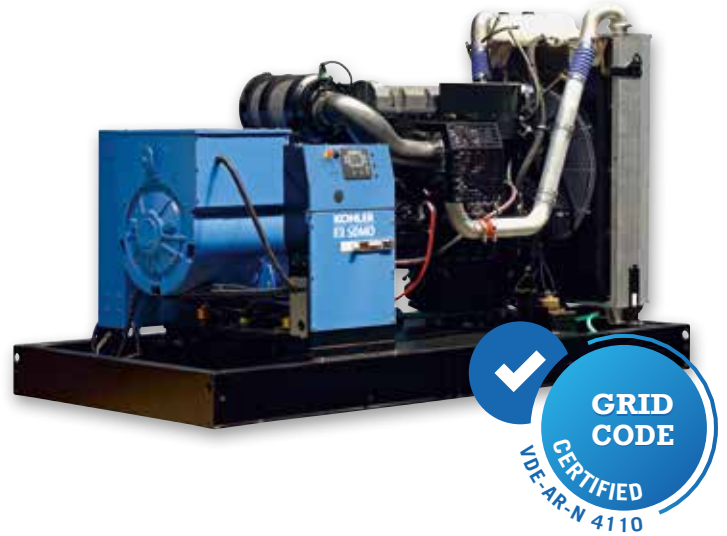
POWER PRODUCT GENERATORS

CERTIFIED FOR VDE-AR-N 4110 GRID CODE APPLICATIONS

The KOHLER-SDMO generators provides the certified solution for **your grid code applications** helping you to meet the requirements of the European Union Requirements for Generators (RfG).

These generating sets are certified VDE-AR-N 4110 and comply with the German regulation for running in parallel with the grid. The numerical simulation model is also certified and can be integrated in the global simulation model of your electrical installation.

The capabilities of the generating sets are tested, assessed and verified by the independent third-party certification body FGH and the certificate n° FGH-E-2021-001 is available.



BENEFITS

KOHLER-SDMO PREMIUM QUALITY

Our engineering design offices have been working together using the latest technical innovations to optimize the performance of the generating sets. The generating set, its components and a wide range of options have been fully developed, prototype tested, factory built, and production tested in our modern fully certified factory and our cutting edge laboratory.

KOHLER-SDMO PREMIUM PERFORMANCES

This range of generators offers a reliable power, even in extreme conditions, and guarantees optimized and certified sound levels. The conception of the range and the robust base frames and high-quality enclosures have been designed to allow you to benefit from a compact footprint and optimized fuel consumption. These generators provide the best quality of electricity, high starting and loading capacity, according to ISO8528-5 and are approved in line with the most stringent standards.

KOHLER SERVICE LEVEL

With numerous direct service locations and 800+ distributors worldwide, Kohler customers have the assurance of 24/7 emergency service and responsive after-market support.

Rest assured, KOHLER® genuine parts are built specifically for your industrial generator and will be available when you need them.

And you will be perfectly at ease in operating your plant thanks to qualifying training provided by our experts on your site or in one of our 5 training centers around the world

KOHLER®
IN POWER. SINCE 1920.

FROM 318 to 700 KVA PRIME POWER

400V-50HZ



FEATURES

KOHLER Oversized alternator with PMG to have the capacity to maintain short-circuit at $3 \cdot I_n$ during 10 seconds

Specific alternator AVR, grid code certified: ABB Unitrol 1005

APM802 control panel configured for paralleling with the grid and with specific firmware grid code certified

Protection relay grid code certified for grid feeding monitoring

Circuit breaker with protection unit «**micrologic 5.0**»

Generating sets		V350C2_VDE	V400C2_VDE	V440C2_VDE	V500C2_VDE	V550C2_VDE	V650C2_VDE	V715C2_VDE	V770C2_VDE	
kVA Cos phi 0.8 ⁽¹⁾	PRP ⁽²⁾	318	355	400	455	500	591	650	700	
Cons. 3/4 at PRP	(L/h)	48.1	53.3	63.0	69.2	78.2	88.9	98.4	106.5	
Engine	Engine type	TAD1341GE-B	TAD1342GE-B	TAD1344GE-B	TAD1345GE-B	TAD1641GE-B	TAD1642GE-B	TWD1644GE	TWD1645GE	
	Cyl. (qty and configuration)	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	
	Total cubic capacity (L)	12.78	12.78	12.78	12.78	16.12	16.12	16.12	16.12	
Open version ⁽⁴⁾	Dimensions	L (m)	3.16	3.16	3.16	3.16	3.47	3.47	3.47	3.47
		W (m)	1.34	1.34	1.34	1.34	1.50	1.63	1.63	1.63
		H (m)	1.80	1.80	1.80	1.80	2.05	2.10	2.05	2.05
	Weight (kg) ⁽⁴⁾	3103	3160	3210	3380	3800	3860	4270	4331	
Enclosure	M228	dB(A) at 7 m ⁽⁵⁾	67	67	68	68	72	70	75	75
		Weight (kg) ⁽⁴⁾	4036	4260	4320	4490	5010	5380	5790	5851

(1) ISO 8528: power expressed in accordance with the legislation in force

(2) PRP: prime power available continuously with variable load for an unlimited time in accordance with ISO 8528-1.

(3) The dimensions and weights apply to a generating set specified in the price list, without options

(4) Dry weight without fuel

(5) at $\frac{3}{4}$ load