



**INDUSTRIAL RANGE FROM 88 TO 110 KVA**  
**POWER FROM A NEW ANGLE**



**KOHLER®**  
**SDMO®**

# 10 FUNDAMENTALS

ACCESS THE HIGHEST  
LEVEL OF PERFORMANCE



**OPTIMIZED AND CERTIFIED  
SOUND LEVELS**



**POWER GUARANTEED EVEN  
IN EXTREME CONDITIONS**



**QUALITY TESTS AND  
ANALYSES**



**APPROVED IN LINE WITH THE  
MOST STRINGENT STANDARDS**



**LOW FUEL  
CONSUMPTION**



**ROBUST BASE FRAMES & HIGH  
QUALITY ENCLOSURES**



**PRODUCING HIGH-QUALITY  
ELECTRICITY**



**PROTECTING INSTALLATIONS  
AND PEOPLE**



**SMALL FOOTPRINT. HIGH  
PERFORMANCE**



**REFERENCES IN STOCK  
ALL OVER THE WORLD**



## PLUG & PLAY

SIMPLE TO INSTALL,  
EASY TO USE



BUILT-IN FUEL TANK  
FOR SAFE REFILLING



QUICK AND EASY CONNECTION



READY TO USE!



## HIGH-QUALITY MATERIALS

- ▶ New high-quality European steel with enhanced corrosion resistance
- ▶ Base frame with two coats of paint
- ▶ Optimized anticorrosion (prevents water infiltration and stagnation)
- ▶ Highly durable QUALICOAT-certified epoxy paint, specially developed for KOHLER-SDMO



## NUMEROUS RESISTANCE TESTS ENSURE AN OPTIMUM SERVICE LIFE

- ▶ Enclosures and base frames tested and analyzed by the French Corrosion Institute
- ▶ Enclosures guaranteed to withstand 1500-hour exposure to salt spray (according to standard ISO12944)
- ▶ Monthly conformity tests according to requirements via supplier samples
- ▶ Annual UV resistance testing
- ▶ Evaluation of resistance to corrosion and its propagation
- ▶ 100% of tanks are tested for permeability, to prevent any risk of leaks



## SAFETY OF PERSONS & PROPERTY

- ▶ Electrical continuity ensured for the enclosure/base frame assembly
- ▶ Personal protection ensured by protective grilles, hot and rotating parts of the enclosures meeting the strictest standards (machinery directive 2006/42/EC)
- ▶ Ergonomic access to allow easy maintenance and connection
- ▶ Base frame with retention to protect the environment
- ▶ Stainless IP64 locks
- ▶ Modular circuit breaker adapted to the short-circuit current of the generating set.



GENERAL CHARACTERISTICS	J88	J110
PRP power (kVA/KW)	80/64	100/80
ESP power (kVA/KW)	88/70	110/88
Engine ref	4045TSG20	4045HSG20
Engine brand	JOHN DEERE	JOHN DEERE
Number of cylinders/configuration	4L	4L
Displacement	4.48	4.48
Alternator ref	KH00590T	KH00911T
Performance class	G2	G2
ATB level PRP/ESP (°C)	50/45	54/50
Fuel consumption at 75% load (L/h)	14	19.8
Command control	APM303	APM303

SOUNDPROOFED VERSION	J88	J110
Enclosure	M138	
Length (mm)	2554	
Width (mm)	1150	
Height (mm)	1675	
Net weight (kg)	1445	1590
Tank capacity (L)	190	190
Sound level db(A) @1m	76	80
Sound level db(A) @7m	64	72
Sound level guaranteed (Lwa)	94	97

## NEW DESIGN AND ERGONOMICS FOR EVEN GREATER PERFORMANCES !

- Low operating costs : oil drain, oil filter & fuel filter service interval extended from 250 to 500 hours
- High power density, downsized engine : soon a 130 kVA generator in the new M138 module 110 kVA dimensionnal!
- Already Rohs2 new environmental european regulation on hazardous components
- Exceptional reliability & durability, MTBF up to 15 000 hours
- Radiator capacity up to 50°C ambient temperature
- Made in Europe alternator with basic maintain of short circuit at 3 In for 10 s
- Integrated retention bund
- Numerous options: anti condensation heater, tropical impregnation D type, electronic regulation of the engine

## AVAILABLE WITH APM403 COMMAND CONTROL (IN OPTION)

FOCUS

- NFPA110 module level 1, US standard (S/P)
- GES Pack – NFE37312 security generator French standard (S/P)
- Synchronization of multiple generators (A633) or one genset temporary synchronized with the LV mains (A651) (P)
- Motorized circuit breaker (P)
- Supervision prewiring via GSM GPRS/3G/4G/GPS (S/P)



APM403P version



Remote management and supervision web interface

## EASY MAINTENANCE FOR ANY OPERATION

Single side maintenance for daily operations (filter changing, fuel filling, oil changing, etc.)

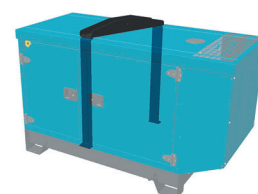
Large removable panel with ample access to the generating sets, ideal for more delicate maintenance operations.



## NEW ACCESSORIZED FUNCTIONS

Easy to install "plug & play" accessories supplied complete with assembly manual to suit all markets.

- Lifting eye
- Engine preheating
- Silencer 9 dB(A), 29 dB(A) or 40 dB(A)
- Differential protection
- ON/OFF key
- Feedback pack
- Wide range of changeover switches with control



FRANCE SALES  
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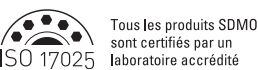


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