






# 100DZ

AGG. 11/20

3~ 50 Hz. 400V	
<b>DEUTZ</b>	
EU STAGE 2	
69 db(A) @ 7 mt	
120 lt	

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
<b>100</b>	<b>80</b>	<b>110</b>	<b>88</b>

ENVIRONMENTAL CONDITIONS	
Temperature	<b>40° C</b>
Height	<b>1000 mslm</b>
Humidity	<b>60%</b>

**OPEN VERSION B100**
**SOUNDPROOF VERSION C100**


The image is only for demonstration purposes

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WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>1375</b>	<b>2100</b>	<b>1000</b>	<b>1800</b>

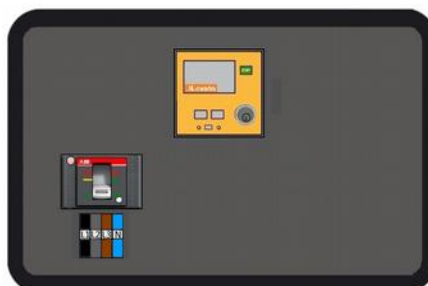
WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>1630</b>	<b>2300</b>	<b>1050</b>	<b>1590</b>

## TECHNICAL DETAILS

<b>ELECTRICAL DATA</b>	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	144,3	A
<b>ENGINE</b>	Engine	DEUTZ BF4M 1013 EC	
	Engine emissions standard (REG. UE 2016/1628)	EU STAGE 2	
	RPM governor	Mechanical	
	Performance class (ISO8528-5)	G2	
	Rpm	1500	rpm
	Nr. of cylinders	4	
	Bore x stroke	108 x 130	mm
	Displacement	4764	cc
	Induction system	Turbocharged	
	Cooling system	Water	
	Engine net prime power	124,4 (92,8)	Hp (kW)
Exhaust gas aftertreatment	/		
<b>CONSUMPTION</b>	Fuel type	Diesel	
	Consumption @ 50-75-100% load	11,7-17,3- 23,1	lt/h
	Standard tank capacity	120	lt
	Autonomy @ 75% load	7	h
<b>ALTERNATOR</b>	Alternator	STAMFORD – MECC ALTE – MARELLI MOTORI	
	Type	Self excited, brushless	
	Number of poles	4	
	Insulation class	H	
	Temperature rise class	H	
	Voltage regulation	AVR	
	Voltage precision	± 1	%
<b>GENERAL</b>	Sound level (soundproof version)	69	dB(A) 7mt
	Exhaust pipe diameter	90	mm
	Electrical system voltage	12	V

## ELECTRIC PANEL

### MANUAL



### AUTOMATIC MAINS FAILURE



Electronic control unit with multimeter	<b>LOVATO ELECTRIC RGK420SA</b>	<b>COMAP IntelliLite 9</b>
Electrical panel enclosure protection degree	<b>IP44</b>	
ON-OFF electric panel switch	Key type. In-built the control unit	Without key
Emergency pushbutton	<b>STANDARD</b>	
Battery charge maintainer	/	<b>12V 5A</b>
Power supply	Full power terminal	Full power terminal
Circuit breaker	Magneto-thermal type 4P ABB Tmax-XT 160A	Magneto-thermal type 4P ABB Tmax-XT 160A
Main protection alarms	Min-max V and Hz. LOP. HWT. Battery charger alternator failure. Low fuel level	

## STANDARD ELECTRONIC CONTROL UNIT

LOVATO ELECTRIC  
RGK420 SA



Functions: manual start, remote start, periodic test

Multimeter V (L1, L2, L3, N), A (L1), Hz, kVA, battery V, hour counter

Backlit LCD display. Optical port and NFC

COMAP  
IntelliLite 9



Functions: automatic or manual start, remote start, periodic test

Multimeter V (L1, L2, L3, N), A (L1, L2, L3), Hz, kVA, battery V, hour counter

Backlit LCD display. USB port

Communication accessories available: Ethernet, GSM-GPRS, 4G, GPS

## OPTIONAL ELECTRONIC CONTROL UNIT



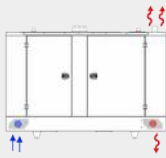
DEEP SEA DSE4520 MKII  
DEEP SEA DSE7320 MKII





COMAP AMF25

## SOUNDPROOF AND WEATHERPROOF CANOPY



<i>Self-supporting frame material</i>	<i>Carbon steel sheet, electro-welded, minimum thickness 2,5 mm</i>
<i>Soundproof canopy material</i>	<i>Carbon steel sheet, electro-welded, thickness between 1,5 and 4,5 mm</i>
<i>Painting</i>	<i>Epoxy powder RAL 5015 textured, outdoor-proof</i>
<i>In-built fuel tank</i>	<b>120 lt+</b> Drip tray
<i>Soundproofing coating material</i>	<i>Polyester fiber. Fire resistance EN13501-1 class B</i>
<i>Muffler</i>	<i>In-built the canopy. Residential type with sound reduction 35 dB(A)</i>
<i>Access openings</i>	<i>n.3 doors with key lock</i>
<i>Electric panel</i>	<i>Lateral side position. Dedicated door with padlockable key lock</i>
<i>Fresh air intake and hot air expulsion</i>	
<i>Lifting system</i>	<i>n.2 lifting hooks</i>
<i>Support feet</i>	<i>n.4 support feet with holes for machine ground fastening</i>

## CONTAINER TRANSPORTABILITY ADVANTAGES

VERSION	20' BOX	40' BOX	40' HC
 <i>N. transportable pieces</i>	5	10	10
	5	10	10

## MAIN OPTIONS



140A automatic transfer switch (ATS)



250 lt bigger fuel tank with drip tray



750W engine preheating system



Electronic engine speed governor



Automatic fuel transfer kit with manual by-pass system



Residual current circuit breaker



Electric fuel floater to check the fuel level from the electronic control unit



Engine oil pressure and cooling water temperature measuring instruments

## OTHER OPTIONS

Power distribution socket set  
Synchronizing electric panel  
Battery switch  
Remote control systems **ETHERNET, 2G - 3G - 4G, GPS**

Further alternator brand  
Quick couplings for connecting an external tank with three way valve  
Outdoor, underground and transportable tanks -  
Slow or fast towing trailer  
Front hot air expulsion canopy  
Further colors

## VERSIONS WITH SPECIAL EQUIPMENT



### RENTAL

Special version with features designed for the rental market



### ZERO NOISE

Super sound-proofed special version, noise level 50, 55 or 60 dB(A)

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