






# 20D20

3~ 50 Hz. 400V	
<b>DEUTZ</b>	
EU STAGE 2	
/	
55 lt	

AGG. 11/20

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
<b>20</b>	<b>16</b>	<b>22</b>	<b>17,6</b>

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

**OPEN VERSION B20**


The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
<b>525</b>	<b>1400</b>	<b>700</b>	<b>1400</b>

**SOUNDPROOF VERSION C20**


The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
<b>610</b>	<b>1580</b>	<b>700</b>	<b>1050</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	28,9	A
<b>ENGINE</b>	Engine	DEUTZ F3L 2011	
	Engine emissions standard (REG. UE 2016/1628)	EU STAGE 2	
	RPM governor	Mechanical	
	Performance class (ISO8528-5)	G2	
	Rpm	1500	rpm
	Nr. of cylinders	3	
	Bore x stroke	94 x 112	mm
	Displacement	2331	cc
	Induction system	Natural	
	Cooling system	Air	
	Engine net prime power	25,5 (19)	Hp (kW)
Exhaust gas aftertreatment	/		
<b>CONSUMPTION</b>	Fuel type	Diesel	
	Consumption @ 50-75-100% load	3 – 4 – 5,1	lt/h
	Standard tank capacity	55	lt
	Autonomy @ 75% load	13,8	h
<b>ALTERNATOR</b>	Alternator	LINZ ELECTRIC – STAMFORD – MECC ALTE	
	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)	68	dB(A) 7mt
	Exhaust pipe diameter	48	mm
	Electrical system voltage	12	V

## ELECTRIC PANEL

### MANUAL

### AUTOMATIC MAINS FAILURE



<i>Electronic control unit with multimeter</i>	<b>LOVATO ELECTRIC RGK420SA</b>	<b>COMAP IntelliLite 9</b>
<i>Electrical panel enclosure protection degree</i>	<b>IP44</b>	
<i>ON-OFF electric panel switch</i>	<i>Key type. In-built the control unit À cl</i>	<i>Without key</i>
<i>Emergency pushbutton</i>	<b>STANDARD</b>	
<i>Battery charge maintainer</i>	/	<b>12V 3A</b>
<i>Power supply</i>	<i>ECC IP67 sockets: n.1 3P 16A + n.1 5P 32A</i>	<i>Full power terminal</i>
<i>Circuit breaker</i>	<i>Magnetothermal type 1P+N 16A and 4P 32A</i>	<i>Magnetothermal type 4P 32A</i>
<i>Main protection alarms</i>	<i>Min-max V and Hz. LOP. HWT. Battery charger alternator failure. Low fuel level</i>	

## 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



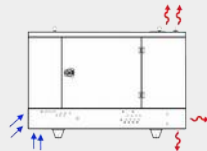
DEEP SEA DSE4520 MKII  
DEEP SEA DSE7320 MKII





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>55 lt + Drip tray</b>
<i>Soundproofing coating material</i>	<i>Polyurethane finished with water-repellent and anti-oil fabric. 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.2 doors with key lock</i>
<i>Electric panel</i>	<i>Short side position. Dedicated protective door with padlockable lock and porthole (only GS with automatic panel)</i>
<i>Fresh air intake and hot air expulsion</i>	
<i>Lifting system</i>	<i>n.4 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
	11	24	24
	22	46	46
<i>N. transportable pieces</i>			

## MAIN OPTIONS



32A automatic transfer switch (ATS)



120 lt bigger fuel tank with drip tray



350W 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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