






# 20P

AGG. 11/20

3~ 50 Hz. 400V	
<b>PERKINS</b>	
EU STAGE 0	
68 dB(A) @ 7 mt	
55 lt	

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**
**SOUNDPROOF VERSION C20**


The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>495</b>	<b>1400</b>	<b>700</b>	<b>1400</b>

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>590</b>	<b>1580</b>	<b>700</b>	<b>1050</b>

## TECHNICAL DETAILS

ELECTRICAL DATA	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	28,9	A
ENGINE	Engine	PERKINS 404A-22G1	
	Engine emissions standard – (REG. UE 2016/1628)	EU STAGE 0	
	RPM governor	Mechanical	
	Performance class (ISO8528-5)	G2	
	Rpm	1500	rpm
	Nr. of cylinders	4	
	Bore x stroke	84 x 100	mm
	Displacement	2216	cc
	Induction system	Natural	
	Cooling system	Water	
	Engine net prime power	24,7 (18,4)	Hp (kW)
Exhaust gas aftertreatment	/		
CONSUMPTION	Fuel type	Diesel	
	Consumption @ 50-75-100% carico load - charge	3 – 4 – 5,3	lt/h
	Standard tank capacity	55	lt
	Autonomy @ 75% carico – load - charge	27,5	h
ALTERNATOR	Alternator	STAMFORD – MECC ALTE	
	Type	Self excited, brushless	
	Number of poles	4	
	Insulation class	H	
	Temperature rise class	H	
	Voltage regulation	AVR	
	Voltage precision	± 1	%
GENERAL	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</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



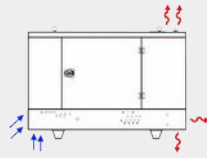
DEEP SEA DSE4520 MKII  
DEEP SEA DSE7320 MKII





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
 <i>N. transportable pieces</i>	<b>11</b>	<b>24</b>	<b>24</b>
	<b>22</b>	<b>46</b>	<b>46</b>

## MAIN OPTIONS



32A automatic transfer switch (ATS)



120 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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