

# 100F

AGG. 10/20

3~ 50 Hz. 400V	
<b>FPT INDUSTRIAL</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

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>1155</b>	<b>2100</b>	<b>1000</b>	<b>1800</b>

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>1410</b>	<b>2300</b>	<b>1050</b>	<b>1590</b>

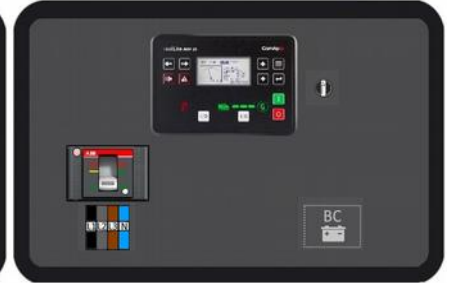
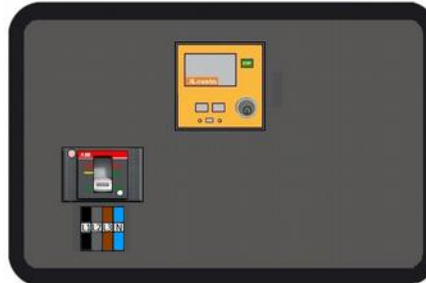
## TECHNICAL DETAILS

ELECTRICAL DATA	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	144,4	A
ENGINE	Engine	FPT NEF N45TM2A	
	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	104 x 132	mm
	Displacement	4500	cc
	Induction system	Turbocharged	
	Cooling system	Water	
	Engine net prime power	117,3 (87,5)	Hp (kW)
Exhaust gas aftertreatment	/		
CONSUMPTION	Fuel type	Diesel	
	Consumption @ 50-75-100% load	11 – 15,5 – 22	lt/h
	Standard tank capacity	120	lt
	Autonomy @ 75% load	7,7	h
ALTERNATOR	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	%
GENERAL	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	LOVATO ELECTRIC RGK420SA	COMAP IntelliLite 9
Electrical panel enclosure protection degree	IP44	
ON-OFF electric panel switch	Key type. In-built the control unit	Without key
Emergency pushbutton	STANDARD	
Battery charge maintainer	/	12V 5A
Power supply	Full power terminal	Full power terminal
Circuit breaker	Magnetothermal type 4P ABB Tmax-XT 160A	Magnetothermal type 4P ABB Tmax-XT 160A
<b>Allarmi di protezione principali</b> Main protection alarms Alarmes de protection principales	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 mm</i>
<i>Painting</i>	<i>Epoxy powder RAL5015 textured, outdoor-proof</i>
<i>In-built fuel tank</i>	<b>120 lt + Drip tray</b>
<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 padlockable 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 protection relay adjustable in sensitivity and intervention time



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)

**Greenpower AB**

Helsingborgsvägen Varalöv,  
262 96 Ängelholm, Sweden

Phone: +46 43122240

Email: [info@greenpower.se](mailto:info@greenpower.se)

Web: [www.greenpower.se](http://www.greenpower.se)