

# 80F

|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| 3~ 50 Hz. 400V        |  |
| <b>FPT INDUSTRIAL</b> |  |
| EU STAGE 3A           |  |
| 69 dB(A) @ 7 mt       |  |
| 120 lt                |  |

| PRIME POWER |           | STAND-BY POWER |             |
|-------------|-----------|----------------|-------------|
| kVA         | kW        | kVA            | kW          |
| <b>80</b>   | <b>64</b> | <b>88</b>      | <b>70,4</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  |             |             |
|-------------|-------------|-------------|-------------|
| kg          | L [mm]      | W [mm]      | H [mm]      |
| <b>1090</b> | <b>2100</b> | <b>1000</b> | <b>1800</b> |

| WEIGHT      | DIMENSIONS  |             |             |
|-------------|-------------|-------------|-------------|
| kg          | L [mm]      | W [mm]      | H [mm]      |
| <b>1345</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                             | 115,5                                 | A         |
| ENGINE          | Engine                                        | FPT NEF N45SM3                        |           |
|                 | Engine emissions standard (REG. UE 2016/1628) | EU STAGE 3A                           |           |
|                 | 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                        | 98,3 (73,3)                           | Hp (kW)   |
|                 | Exhaust gas aftertreatment                    | /                                     |           |
| CONSUMPTION     | Fuel type                                     | Diesel                                |           |
|                 | Consumption @ 50-75-100% load                 | 9,6 – 15 – 19                         | lt/h      |
|                 | Standard tank capacity                        | 120                                   | lt        |
|                 | Autonomy @ 75% load                           | 8                                     | 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         |

All data can be found out in the original technical datasheet of the engine and the alternator. Values shown are nominal values, they can change in every moment and without warning.

## 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<br>Borne de pleine puissance |
| Circuit breaker                              | Magnetothermal type 4P ABB Tmax-XT 125A                                        | Magnetothermal type 4P ABB Tmax-XT 125A          |
| 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



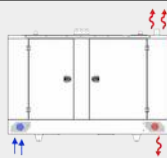
DEEP SEA DSE4520 MKII  
DEEP SEA DSE7320 MKII



COMAP AMF25

## SOUNDPROOF AND WEATHERPROOF CANOPY



|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| Self-supporting frame material         | Carbon steel sheet, electro-welded, minimum thickness 2,5 mm                          |
| Soundproof canopy material             | Carbon steel sheet, electro-welded, thickness between 1,5 and 4 mm                    |
| Painting                               | Epoxy powder RAL5015 textured, outdoor-proof                                          |
| In-built fuel tank                     | 120 lt + Drip tray                                                                    |
| Soundproofing coating material         | Polyester fiber. Fire resistance EN13501-1 class B                                    |
| Muffler                                | In-built the canopy. Residential type with sound reduction 35 dB(A)                   |
| Access openings                        | n.3 doors with padlockable key lock                                                   |
| Electric panel                         | Lateral side position.<br>Dedicated door with padlockable key lock                    |
| Fresh air intake and hot air expulsion |  |
| Lifting system                         | n.2 lifting hooks                                                                     |
| Support feet                           | n.4 support feet with holes for machine ground fastening                              |

## CONTAINER TRANSPORTABILITY ADVANTAGES

| VERSION                                                                             |                         | 20' BOX | 40' BOX | 40' HC |
|-------------------------------------------------------------------------------------|-------------------------|---------|---------|--------|
|  | N. transportable pieces | 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)