

# SAPOTEC

## Emergency power units

### SAPAT-GSH0100I-CASP 400/50

SAPOTEC offers you a complete product range in the field of emergency power generators. From analysis and project planning to installation and maintenance.



Picture 1:

## Data of the aggregate

General data	unity	
producer	-	SAPOTEC
type	-	SAPAT-GSH0100I
version	-	sound cover
power PRP	kVA	100
power LTP	kVA	110
rotational speed	1/min	1500
voltage	V	400/230
frequency	Hz	50
power factor	cos phi	0,8
color	RAL	7035
sound pressure level dBA in 7m (+/-3)	dBA	68

Dimensions and weight	unity	
length	mm	2850
hight	mm	1450
width	mm	1100
weigth(incl. liquids in cooler and oil sump)	kg	1650
tank type	-	basic frame tank
version	-	double-walled
tank capacity	ltr	990
content viewer	-	digital
autonomy	h	>24 @ 100%
transport possibility	-	cran/ stacker lugs

Engine specifications	unity	
nominal power in kWm	kW	89
producer	-	IVECO
model	-	N45 TE2F
injection type	-	directly
type of intake	-	turbo charger
cylinders, quantity or arrangement	-	4-L
bore and hub	mm	104x132
total displacement	ltr	4,5
fuel consumption 100% PRP	ltr/h	22,8
fuel consumption 75% PRP	ltr/h	18,9
fuel consumption 50% PRP	ltr/h	13,4
oil consumption (full load)	g/kWh	0,1% des
maximum oil volume	ltr	12,8
total cooling liquid	ltr	18,5
engine control	-	electronic

Generator	unity	
producer	-	MeccAlte
type	-	ECO 34 2S
pole	pices	4
type of coupling	-	rigid
isolation class	-	H
mechanical protection class	-	IP23
alternator excitation	-	self induced
voltage regulator	-	electronic
storage	-	ordinary

Exhaust system	unity	
exhaust class	-	STAGE IIIA
NOX	g/kWh	3,973
CO	g/kWh	0,94
dust	g/kWh	0,161
maximum temperature exhaust mode	°C	460
flow rate exhaust mode	m <sup>3</sup> /h	-
maximum permissible back pressure	Pa	5000
exhaust direction	-	vertical
exhaust silencer	-	Yes

Coolings system	unity	
air volume engine cooler	m <sup>3</sup> /h	2,2
air volume generator cooler	m <sup>3</sup> /h	0,514
combustion air	m <sup>3</sup> /h	525
exhaust direction	-	vertical

Starter	unity	
starting battery	-	SAPOTEC
control battery	-	-
battery type	-	maintenance-free
auxiliary supply	VDC	12Vdc

Control system	unity	
producer	-	ComAp
type	-	InteliComact
application	-	net parallel/ standalone
synchronisation	-	Yes
operation messages	pieces	No
display	-	LCD
remote start	-	Yes
remote maintenance	-	No
cabinet	-	integrated
power output	-	plug/powerlock
mains-/generator circuit-breaker	-	yes/yes
battery charger incl. fault reporting	-	yes
pre-heating	-	yes

Options	unity	
exits	-	yes
tank heating	-	No
jalousie claps	-	No
trailer	-	yes

## Notes

### Exits:

- 2Stk CEE 125A
- 2Stk CEE 63A
- 2Stk CEE 32A
- 2Stk CEE 16A
- 4Stk Schuko

### Operating types:

- Feed-in mode
- Standalone operation

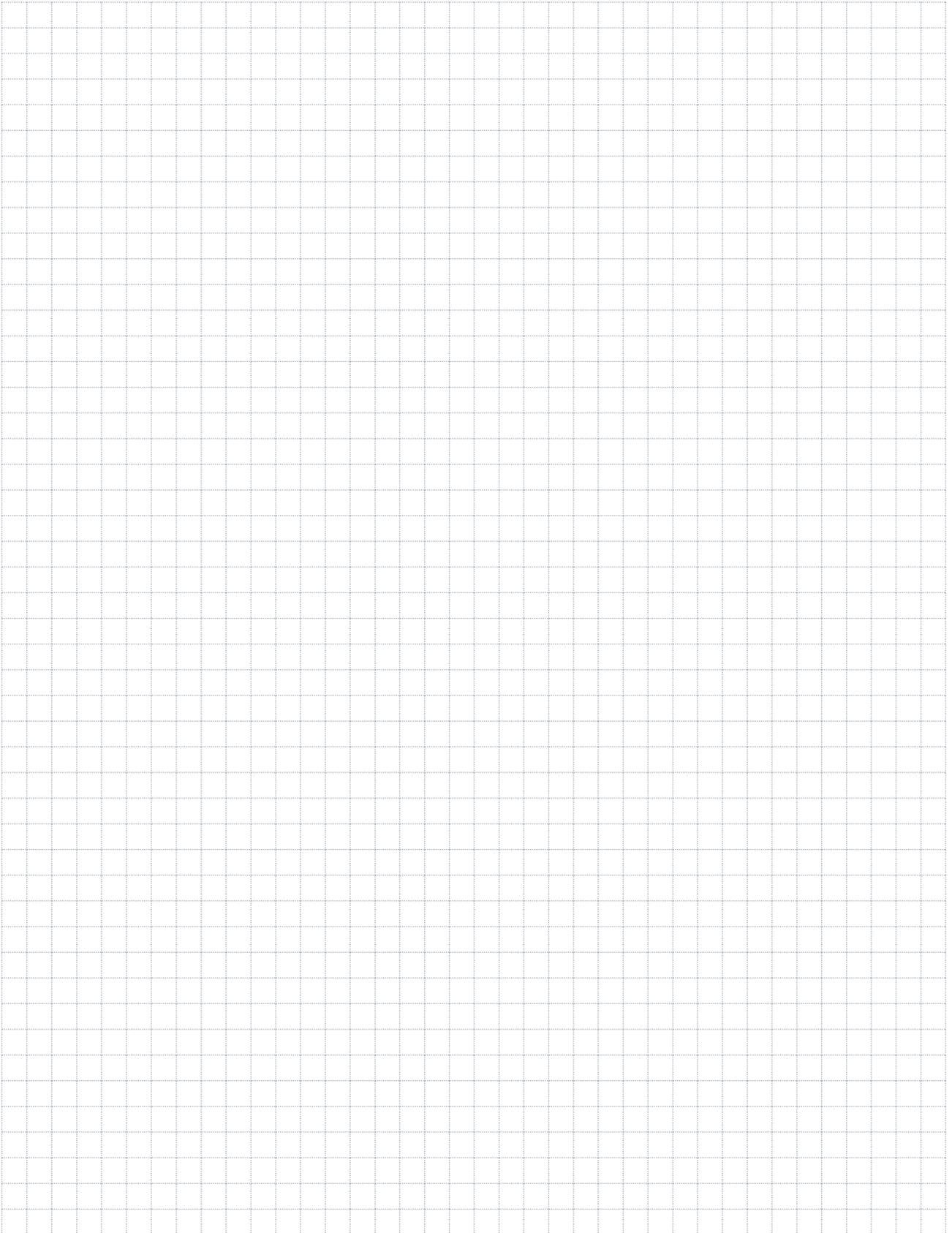
### trailer:

- Tandem trailer according to STVO
- drop legs

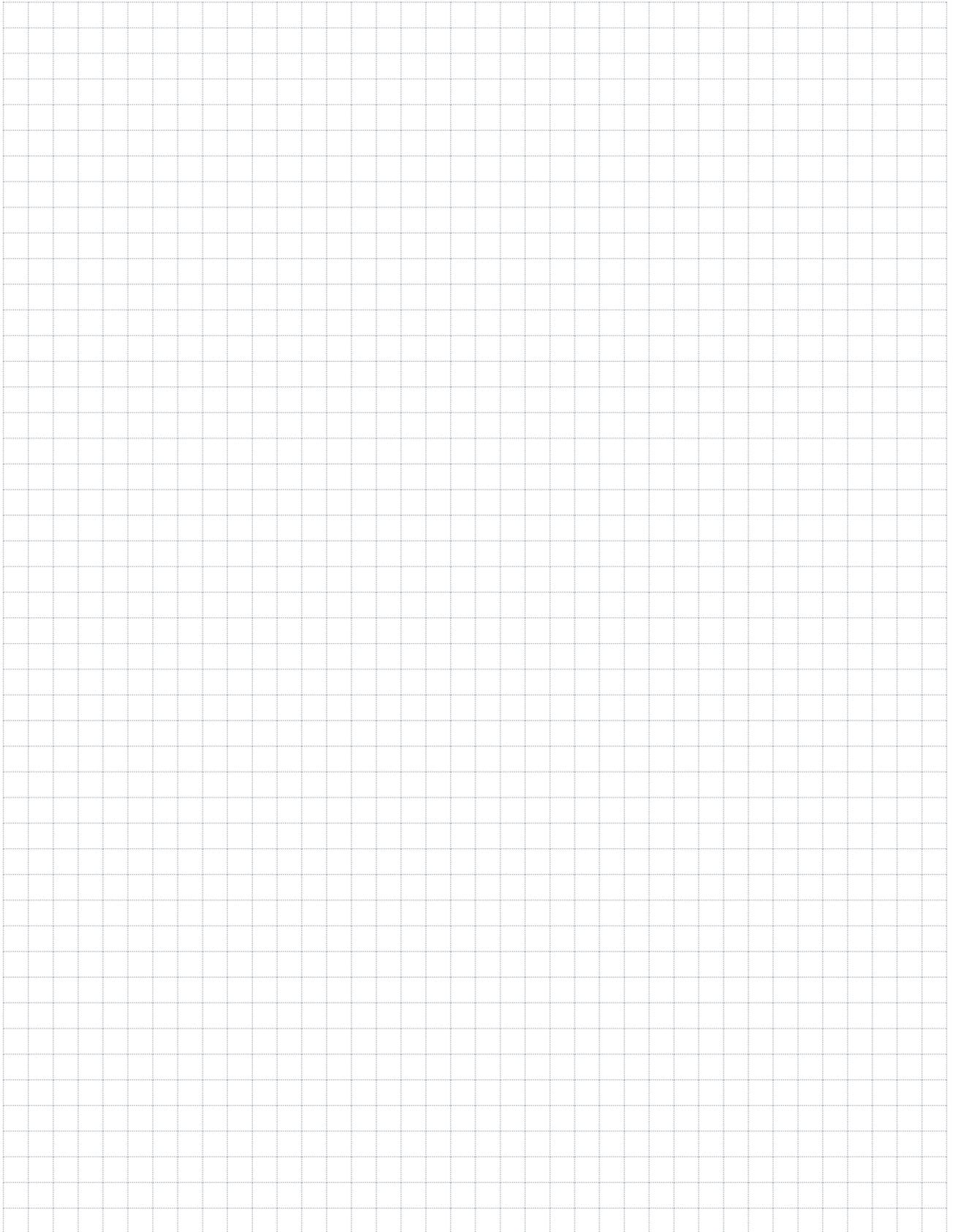
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*Damit Strom fließt, Spannung bleibt und Energie entsteht!*



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