



## INDUSTRIAL SERIES

# 450S

3~ 50 Hz. 400V	
SCANIA	
EU STAGE 5	
69 dB(A) @ 7 mt	
400 lt	

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
<b>450</b>	<b>360</b>	<b>495</b>	<b>396</b>

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

### OPEN VERSION B400

### SOUNDPROOF VERSION C450



The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
<b>3280</b>	<b>2950</b>	<b>1550</b>	<b>2100</b>

WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
<b>4270</b>	<b>4300</b>	<b>1750</b>	<b>2350</b>



Reference standards list:  
2006/42/EC  
2014/35/UE  
ISO8528-1/10

Machinery directive  
Low voltage directive  
Performances ratings

ISO12100  
2014/30/UE

Machinery safety  
CEM directive



## TECHNICAL DETAILS

ELECTRICAL DATA	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	649,5	A
ENGINE	Engine	SCANIA DC13 072A 02 13	
	Engine emissions standard (REG. UE 2016/1628)	EU STAGE 5	
	RPM governor	Electronic	
	Performance class (ISO8528-5)	G3	
	Rpm	1500	rpm
	Nr. of cylinders	6	
	Bore x stroke	130 x 160	mm
	Displacement	12700	cc
	Induction system	Turbocharged	
	Cooling system	Water	
	Engine net prime power	526,8 (393)	Hp (kW)
	Exhaust gas aftertreatment	/	
CONSUMPTION	Fuel type	Diesel	
	Consumption @ 50-75-100% load	45 – 66 – 90	lt/h
	Standard tank capacity	400	lt
	Autonomy @ 75% load	6,1	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	200	mm
	Electrical system voltage	24	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	COMAP AMF25	COMAP AMF25
Electrical panel enclosure protection degree	IP44	
ON-OFF electric panel switch	Key type	Without key
Emergency pushbutton	STANDARD	
Battery charge maintainer	/	24V 5A
Power supply	Full power terminal	Full power terminal
Circuit breaker	Magnetothermal type 4P ABB Tmax-T 630A	Magnetothermal type 4P ABB Tmax-T 630A
Main protection alarms	Min-max V and Hz. LOP. HWT. Battery charger alternator failure. Low fuel level	

## STANDARD ELECTRONIC CONTROL UNIT

COMAP  
AMF25



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

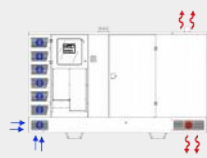
MODBUS and SNMP communication protocols support

Advanced PLC configurability

## UNITE DE CONTROLE OPTIONELLE

## SOUNDPROOF AND WEATHERPROOF CANOPY



Self-supporting frame material	Carbon steel sheet, electro-welded, minimum thickness 3 mm
Soundproof canopy material	Carbon steel sheet, electro-welded, thickness between 1,5 and 5,5 mm
Painting	Epoxy powder RAL5015 textured, outdoor-proof
In-built fuel tank	250 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. Dedicated door with 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

## MAIN OPTIONS



*630A automatic transfer switch (ATS)*



*400 lt bigger fuel tank with drip tray*



*2000W engine preheating system with integrated circulating pump*



*Automatic fuel transfer kit with manual by-pass system*



*Residual current protection relay adjustable in sensitivity and intervention time*

## 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*

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