UPS 700

Industrial Range
Powered by / SCANIA

General Performance Data

Engine	Brand	SCANIA
	Model	DC16 093A 02-54
Control module		Deep Sea 4520
Starting voltage	V	24
Frequency	Hz	50
Number of phases		3

		Prime	Standby
Power kVA		640	700
Power kW		512	560
Rated speed	r.p.m	1500	
Standard voltage	V	220	127
Available voltages	V	400	231
Power factor	Cos Phi	0,8	

Open

Dimension		
Length (L)	mm	3700
Height (H)	mm	2400
Width (W)	mm	1518
Weight	Kg	4200
Fuel Tank	L	600

Silent

Dimension		
Length (L)	mm	4920
Height (H)	mm	2485
Width (W)	mm	1518
Weight	Kg	5100
Fuel Tank	L	600

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	144.7
100% Prime	0000	130.8
75% Prime	0000	ND
50% Prime	0000	ND
25% Prime	0000	ND

Standards Followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE

Generador Profesional

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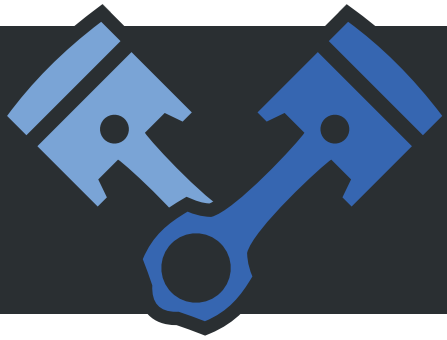
General Engine Data

Engine brand		SCANIA
Engine ref.		DC16 093A 02-54
Engine type		4-stroke diesel
Governor type		Electronic
Injection		Direct
Aspiration		Turbo Aftercooler
Number of cylinders and arrangement		8 - V
Bore and stroke	mm	130x 154
Displacement	L	16.4
Cooling system		Water
Lube oil consumption with full load		0.5%-1%of fuel
Compression ratio		16:7:1
Engine oil capacity	L	48
Total coolant capacity	L	68
Air filter	Type	Dry

Optionals

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter
- Dry air filter
- Radiator with pusher fan
- Electronic governor
- Hot parts protection
- Moving parts protection
- Water jacked heater
- Radiator water level sensor
- Oil heater
- Heavy duty air filter

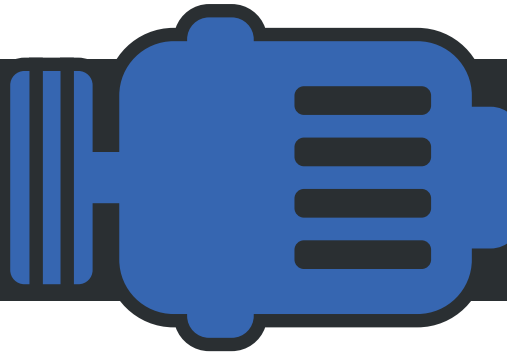


Alternator Specifications

Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-Serie
Insulation	H class
Enclosure (according IEC-34-5)	IP23
Excitation system	Auxiliary coil, brushless
Voltage regulator	Electronic
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

Optionals

- Self-excited and self-regulated
- IP23 protection
- H class insulation
- Alternator pre-heater
- Winding temp. measuring instrument
- PMG / AREP / MAUX



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Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	600	600

Exhaust system		
Maximum exhaust temperature	ºC	600
Exhaust gas flow	L/s	332
Maximum allowed back pressure	kPa	10

Air system		
Intake air flow	L/s	310
Cooling air flow	m³/s	6442

Starting system		
Starting power	kW	06
Recommended battery	Ah	150
Number of batteries		2
Auxiliary voltage	Vdc	12

Genset version

- Steel chasis
- Emergency stop button
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- High mechanical strength
- Epoxy polyester powder coating
- Fuel tank drain plug
- Steel residential silencer - 20dbA attenuation
- Battery charger

Optionals

- Trailer type

Water-cooled | Three phase | 50 Hz | Diesel | Stackable canopy

Standard reference conditions

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25ºC, 30% relative humidity.

Weights and dimensions based on standard products. Illustrations may include optional equipment.
Technical data described in this catalogue correspond to the available information at the moment of printing.

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Control Panel Data

Features of the control panel	Basic Model (Standard)	Advanced Model (Optional)
Voltage between phases	o	o
Voltage between neutral and phase	o	o
Current intensities	o	o
Frequency	o	o
Apparent power (kVA)	o	o
Active power (kW)	o	o
Reactive power (kVAr)	o	o
Power factor	o	o
Voltage between phases	o	o
Emergency stop	o	o
Binary inputs	6/6	7/7
Analog inputs	3	3
2x10A Current outputs	o	-
I/O Configuration	o/o	o/o
D+ Function	o	o
Speed sensor	o	o
Amf/Mrs	o/o	o/o
GCB/MCB	o/o	o/o
3ph voltage measurement Gen./Mains	o/o	o
3ph current measurement	o	o
kW / kWh / kVA	o	o
Engine reading	o	o
Engine protection	o	o
Alternator protection	o	o
Earth current protection	o	o
History file	150	350
RTC/Battery	o/-	o/o
PLC	-	-
4G	x	-
Airgate	-	x
ECU CAN	o	o
MODBUS	x	x
MODBUS IP	x	x
SNMP	-	x
SNMP TRAPS	-	-
RS232	x	x
RS485	x	x
GSM/GPRS modem	x	x
Remote screen	x	x
Software for PC	x	x

Standard: o Optional: x Not Available: -