

Very compact emergency power system for backup power supply 20 kVA Super soundproofed with Perkins engine

Completion:

Generating Set:	stationary	Gen Set:	silent Set
Technical Data Engine:			
Engine Manufacturer:	Perkins	Engine Type:	404A-22G1
Engine No.:	in Produktion	Engine Power:	18,4 KW
Cooling:	water-cooled	Starting:	electrical 12 V DC
Rotation:	1500 rpm	Fuel:	heating oil EN 590
Technical Data Generator:			
Generator Manufacturer:	Mecc Alte	Gen Set:	NPE32-2M/4C
Gen No.:	in Produktion	Gen Power:	20 kVA
Voltage:	400 / 231 Volt	Power Factor:	cos. - phi 0,8
Rotation:	1500 rpm		
Control Unit:			
Setup:	automatic start	Functions:	Hand & Remotestart
Switch:	gen switch 4 pole	Delivery:	set up
Width ca. mm:		Depth ca. mm:	
Height ca. mm:			
Tank			
Setup:	Baseframe fuel Tank with Bassin		
Width ca. mm:		Height ca. mm:	
Depth ca. mm:		Capacity / Litre:	90
Dimensions of unit:			
Length ca. mm:	1.180	Height ca. mm:	1.650
Width ca. mm:	700	Weight ca. KG:	
Usage:			
State:	new	year of manufacture:	2024
time of delivery:	ex work	Price plus VAT in %:	on request:
Operating Hours:	1		
Location:	Verl - Germany		
Stock No:		Reserved:	nein / no

Delivery Contents:

Very compact emergency power system with a nominal power of 20 kVA PRP, can be used in a small space with only 56 dbA

4-cylinder Perkins industrial diesel engine with a displacement of 2.22 liters

Fuel consumption at 50% load 2.90 liters / hour
Fuel consumption at 75% load 4.00 liters / hour
Fuel consumption at 100% load 5.30 liters / hour
Autonomy at 75% load ≈ 23 h

Type Lubricant Oil SAE 15W40
Lubrication power l.* 10.60
Type Coolant Antifreeze
Coolant capacity l.* 12.50
Suction filter paper cassette
Battery capacity Ah 50
Number of batteries* 1

Fuel system and energy balance

AC pump suction lift kPa 1
Combustion air volume flow at LTP output (110%) 87 m³/h.
Cooling air flow at LTP performance (110%) 2,412 m³/h.
Exhaust flow at LTP performance (110%) 236.4 m³/h
Exhaust gas temperature at LTP power (110%) 505.00 °C
Max. exhaust back pressure kPa 10.20
Exhaust heat at LTP power (110%) 16.60 kWt
Energy on coolant at LTP power (110%) 19.60 kWt
Radiant heat at LTP power (110%) 4.40 kWt

Control behind a protective flap
With 4-pin circuit breaker
Automatic control unit DSE4520, including:
- Voltmeter, frequency meter, ammeter
- Generator power display (kW, kV Ar, kV A & pf)
- Hour meter
- Tank content increase in %
- Protection against overload (kW & kV Ar)
- Low oil pressure protection with shut off
- Protection device against high coolant temperature with shutdown
- Protection against low fuel level
- Malfunction on the alternator, battery charger
- Protection device against overspeed (underfrequency)
emergency button
Terminal board for connection of the automatic switchboard

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engine

battery charger
Main switch on/off

Product Images



