

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

**engine**

**Completion:**

<b>Generating Set:</b>	<b>stationary</b>	<b>Gen Set:</b>	<b>silent Set</b>
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**Technical Data Engine:**

<b>Engine Manufacturer:</b>	Perkins	<b>Engine Type:</b>	404A-22G1
<b>Engine No.:</b>	in Produktion	<b>Engine Power:</b>	18,4 KW
<b>Cooling:</b>	water-cooled	<b>Starting:</b>	electrical 12 V DC
<b>Rotation:</b>	1500 rpm	<b>Fuel:</b>	heating oil EN 590

**Technical Data Generator:**

<b>Generator Manufacturer:</b>	Mecc Alte	<b>Gen Set:</b>	NPE32-2M/4C
<b>Gen No.:</b>	in Produktion	<b>Gen Power:</b>	20 kVA
<b>Voltage:</b>	400 / 231 Volt	<b>Power Factor:</b>	cos. - phi 0,8
<b>Rotation:</b>	1500 rpm		

**Control Unit:**

<b>Setup:</b>	automatic start	<b>Functions:</b>	Hand & Remotestart
<b>Switch:</b>	gen switch 4 pole	<b>Delivery:</b>	set up
<b>Width ca. mm:</b>		<b>Depth ca. mm:</b>	
<b>Height ca. mm:</b>			

**Tank**

<b>Setup:</b>	Baseframe fuel Tank with Bassin	<b>Height ca. mm:</b>	
<b>Width ca. mm:</b>		<b>Capacity / Litre:</b>	90
<b>Depth ca. mm:</b>			

**Dimensions of unit:**

<b>Length ca. mm:</b>	1.180	<b>Height ca. mm:</b>	1.650
<b>Width ca. mm:</b>	700	<b>Weigth ca. KG:</b>	

**Usage:**

<b>State:</b>	new	<b>year of manufacture:</b>	2024
<b>time of delivery:</b>	ex work	<b>Price plus VAT in 1/2:</b>	on request:
<b>Operating Hours:</b>	1		
<b>Location:</b>	Verl - Germany		
<b>Stock No:</b>		<b>Reserved:</b>	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 &#8776; 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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battery charger  
Main switch on/off

Product Images



