

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

engine

Completion:

Generating Set:	stationary	Gen Set:	silent Set
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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	Height ca. mm:	
Width ca. mm:		Capacity / Litre:	90
Depth ca. mm:			

Dimensions of unit:

Length ca. mm:	1.180	Height ca. mm:	1.650
Width ca. mm:	700	Weigth ca. KG:	

Usage:

State:	new	year of manufacture:	2024
time of delivery:	ex work	Price plus VAT in 1/2:	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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battery charger
Main switch on/off

Product Images



