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CREATING POWER SOLUTIONS.



Hatz Universal Power System HUPS – concept –

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Modular and flexible: Hatz Universal Power System HUPS

The latest concept study from Hatz Systems combines all the key sources of energy for efficient working in a single mobile generating set: electricity, compressed air, hydraulic pressure, high-pressure water or pumping – all designed with complete flexibility and constant availability.

The combined source of energy for all areas of application

With this application, we are able to resolve all of your energy problems, be they static or mobile. Our Universal Power System combines all kinds of sources of energy in a single generating set. Electricity, compressed air, hydraulic pressure and high-pressure water are freely configurable and can be installed into the HUPS depending on how the generating set is to be used. You therefore no longer need several different basic units, but rather just one system to which everything can be connected. Simple, powerful and supremely professional.

As well as the freely-configurable, compact modular construction which opens up every possibility for combining individual generating sets, you can also connect and use a full range of standard tools.

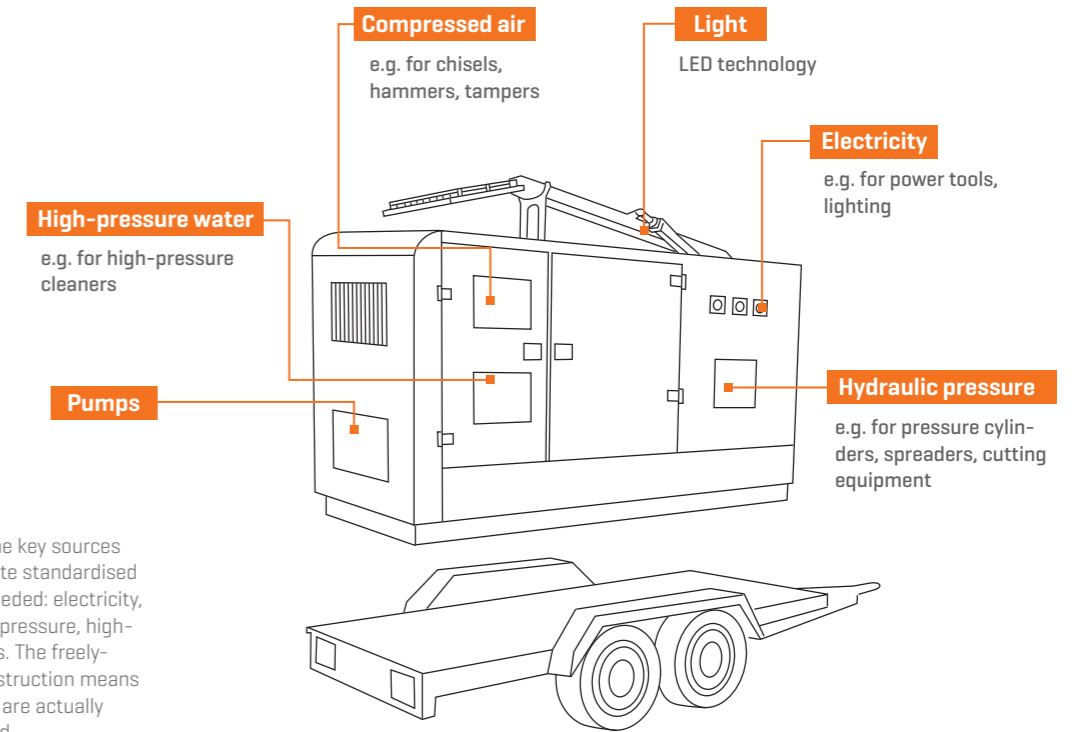
Self-propelling mobile, mountable on a trailer or on a loading surface, you can finally carry out your work

independently of your main plant. No main engine on a large-scale unit needs to run ever again. You can reduce its operating hours, consume less fuel and stay gratifyingly flexible. Cable reels ensure clean working, even at a distance.

The right solution for all types of work in any environment:

- **Heavy-duty** with 5 different energy sources
- **Mid-size** for anyone wishing to remain mobile and yet needs more than 2 sources of energy
- **Micro** – compact and powerful

HUPS can be used in many different ways and is ideal for: industry, agriculture, construction, craft work, military applications, aid organisations, fire departments, local authorities, railways, open-cast mining or special transport



The HUPS concept

A system contains all of the key sources of energy needed to operate standardised tools wherever they are needed: electricity, compressed air, hydraulic pressure, high-pressure water and pumps. The freely-configurable modular construction means that only the sources that are actually needed have to be installed.

HUPS can be designed in various sizes as a self-propelling device or as a generating set for mounting on a trailer or loading surface.

Self-propelling or mounted on trailers / loading surfaces
Various sizes of model available



Technical data HUPS concept configuration		
Hatz Motor 3L41C	25 kW	1500 l/min
Generator	25 kVA	400/231 V; 3 ~, N, PE, 50 Hz 25kVA cos φ 0,8
Hydraulic system 1	200 bar	8.3 l/min
Hydraulic system 2	700 bar	4.0 l/min
High pressure cleaner	150 bar	900 l/h
Compressor	15 bar	335 l/min [at 12 bar]
Electrical socket [3-phase]	16 A	1 x
	32 A	1 x
	64 A [fused with 32 A]	1 x
Electrical socket [1-phase]	Schuko 16 A	4 x

The Hatz HUPS concept study (Hatz Universal Power System) as a trailer-mounted design. The mobile system includes a 150-bar, high-pressure cleaner, two hydraulic pressure modules delivering 200 or 700 bar, an electricity supply up to 63 A and a 15-bar compressed air compressor. A LED light tower mast is mounted on the roof. The basic energy is supplied by a Hatz 3L41C 25 kW diesel engine and a 25 kVA generator. The system can be operated using a touchscreen display or using the UMTS/GPS module and remote control.