

# LION 6X6 PHEV



## VOLKAN



## Key Figures

### Chassis:

- Volkan V42-1000 6x6
- Engine: Scania DC16 318A Stage V
- Engine output: 522 kW (710 HP)
- Electric motor: Scania E-machine
- Electric motor output: 230 kW (310 HP)
- Transmission: ZF Ecolife
- Brakes: Disc brakes on all axles
- Acceleration 0 - 80 km/h in 25 sec.
- Maximum speed 140 km/h
- Differential locking on all axles
- Tires: 445/80R25

### Battery & Charging:

- Battery Chemistry: NMC
- Nominal Voltage: 650V
- Capacity: 204 kWh
- On-Board Charger (AC): 22 kW
- DC Fast Charging: up to 300 kW
- Charging Connector Type: CCS2
- Charging Time (20-80%): 40 min.

### Extinguishing agent tanks:

- Water tank capacity: 12000 l
- Material: Sandwich GRP Composite
- Foam tank capacity: 1500 l
- Material: Glass Reinforced Plastic
- DCP tank capacity: 250 kg

### Fire Extinguishing System:

- Type: Volkan MFPN 10-800 Centrifugal Pump
- Power Divider driven by pure electric/diesel or hybrid drive
- Output: 8,000 l/min at 10 bar
- Type: VF-PRO 750 Around the Pump Foam Proportioning
- Proportioning ratio: 1% 3%, 6%,

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### Cab:

- Crew: up to 1+5
- ECE R29-3 certified lightweight composite structure
- High-Capacity A/C
- SCBA suitable backrests
- Adjustable Driver Seat
- All seats furnished with 3-point seat belts

### Roof Turret:

- Volkan WG 9000SE,
- Output: max. 6000 l/min, max. 3000 l/min (Half Flow)
- Pattern: Jet/ Dispersed
- Throw range water/foam 95/85 meters

### Bumper turret:

- Volkan WG3000SE
- Output: 2,500 l/min
- DCP Output: 8.0 kg/sec.
- Throw range water/foam 70m/60m

## Other Features

- Volkan HR Series hose reel DN32 30 m
- Volkan HR Series DCP type hose reel 30m
- Driver's Advanced Vision System inside the cabin.
- Volkan Roll-Over Warning System
- Electronic Stability Control (ESC)
- Water and foam tank level gauges outside
- 360° rotatable LED type electrically controlled projectors
- Electric steering pump (%100 Electric drive)
- Electric air compressor (%100 Electric drive)
- Electric A/C (%100 Electric drive)

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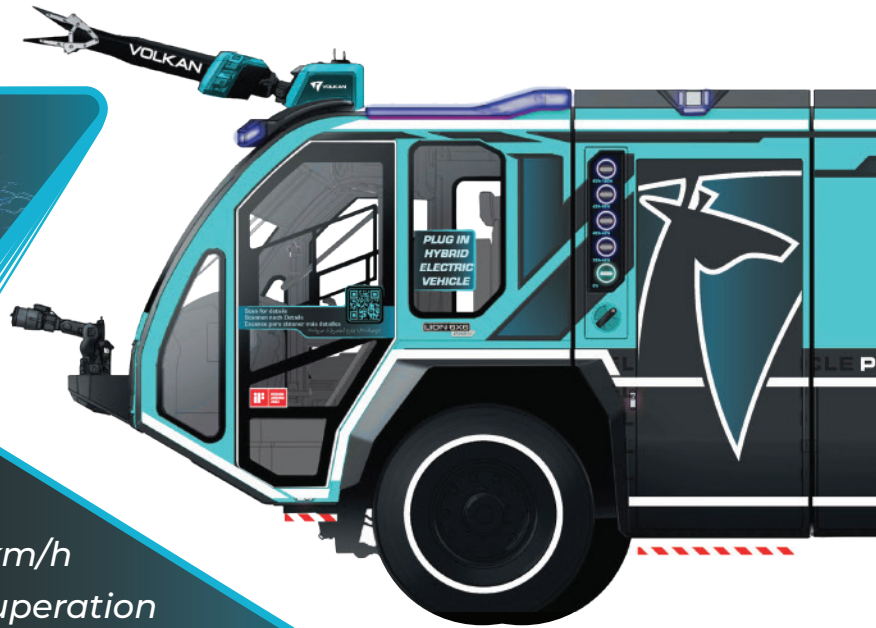
*Pure Electric Drive Range: 30 km*

*Pre-conditioning with Electric A/C*

*Max. Speed (%100 Electric): 50 km/h*

*Advanced braking with recuperation*

*Pure Electric Pump Operation: 35 mins*



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