



# FUCHSEVOLUTION

## ARMoured FIGHTING VEHICLE

The FUCHS Evolution is the next chapter of Rheinmetall's combat proven and reliable 6x6 FUCHS. Serving in more than sixty variants for more than nine nations, it has gained a high reputation during global peacekeeping missions such as KFOR, MINUSMA and ISAF. Featuring an improved drivetrain, a modern digital electrical vehicle architecture and significantly improved situational awareness and payload. Its amphibious capability is available without additional buoyancy kits.

Equipped with a medium-calibre turret system, two independent long-range observation optronics, a 360° surround vision system, laser and acoustic warning sensor arrays and counter-measures; the vehicle detects and avoids enemy movements while gathering valuable reconnaissance data. Using an optional Twinned Operator Station including NATO GVA interfaces, commander and operator can switch and take over tasks vice versa.

Logistically closely interwoven with BOXER and PUMA programs, the FUCHS Evolution maintains fleet operability until 2040 and beyond.

### BASE VEHICLE CHARACTERISTICS

- State of the art drivetrain with ABS and CTIS
- Digital on-board bus system and NATO Generic Vehicle Architecture (NGVA)
- NBC and blast protected armoured hull
- Built-In Test Equipment (BITE) with interactive maintenance procedures and external vehicle diagnosis
- Expanded interior space providing more driving and operation comfort

### RECONNAISSANCE MISSION KIT

- Medium-calibre turret system
- Long-range mast-extended reconnaissance optronic
- Laser and acoustic warning sensors
- 360° vision system with day/night capability
- Optional Twin Operator Station
- Amphibious operation using propeller propulsion
- Fitted for multispectral camouflage netting

## TECHNICAL DATA

### Dimensions

|                      |                     |
|----------------------|---------------------|
| Length               | 7,500 mm            |
| Width                | 3,000 mm            |
| Height               | 3,100 mm            |
| Interior volume      | 10.9 m <sup>3</sup> |
| Interior height      | 1,400 mm            |
| Base vehicle weight  | 18,000 kg           |
| Gross vehicle weight | 24,500 kg           |
| Amphibious weight    | 22,000 kg           |

### Power pack

|               |             |
|---------------|-------------|
| Engine        | 6V 199 TE20 |
| Engine power  | 335 kw      |
| Engine torque | 2,200 Nm    |

### Protection

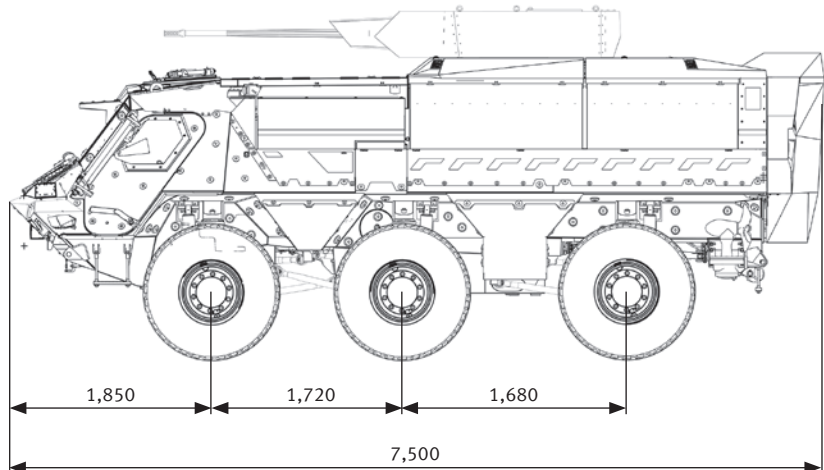
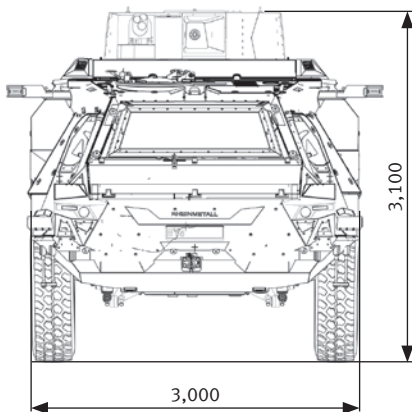
|                        |       |
|------------------------|-------|
| Blast & IED protection |       |
| NBC filtration         | >12 h |

### Performance

|                                   |               |
|-----------------------------------|---------------|
| Speed on road                     | max. 100 km/h |
| Speed on water                    | 8–10 km/h     |
| Gradient                          | 60%           |
| Side slope                        | 30%           |
| Fording depth                     | 1,500 mm      |
| Climbing ability                  | 700 mm        |
| Trench crossing                   | 1,200 mm      |
| Turning circle (c <sup>2</sup> c) | ≤17.5 m       |
| Cruising range                    | >800 km       |
| Occupants                         | up to 10      |

### Optional Add-ons

|  |
|--|
| Laser, acoustic, NC, CO, CO <sup>2</sup> warning |
| MirrorCam, 360° vision system, IR systems        |
| RCWS, crow's nest, smoke grenade launcher        |
| CTIS, Runflats, brake controlled trailer         |



All dimensions in millimetres.