

# SELF-PROPELLED OHLE ACCESS UNIT

OPTIMA 100

*Compact and economical  
Catenary maintenance technology*



*Safe access to all points of the catenary*

*Quick and safe road-rail transition*

*Off-road mobility without damage to the ballast*

*Easy to use and ergonomic*



# SELF-PROPELLED OHLE ACCESS UNIT

## OPTIMA 100

### Your benefits

- Simultaneous access to catenary and its supports in most configurations
- Enables catenary components to be changed
- Simple operation with on-screen user interface
- Easy trackside storage
- Easy transport of the OPTIMA 100 with a light trailer
- Capable of crossing high ballast shoulders
- Adaptability of the product to environmental constraints (heating kit) and user requirements (display of the catenary height)
- Compliance with most demanding regulations (SNCF 58002 standard, EN280)

### Available versions

- 2 cradles  
2N



- 1 cradle and 1 platform parallel to track axis  
PFN



- 1 platform perpendicular to the track axis (no EN 280)  
PF



- 1 flatbed with sideboards  
PR



- 1 flatbed with sideboards and 1 crane  
PR GR



### Specifications

Rail propulsion	Hydrostatic and retractable railway axles
Track gauge	From 39 to 59.84 in. (1,000 to 1,520 mm)
Maximum cant	7 in. (180 mm)
Maximum road gradient	40 ‰
Maximum rail gradient	70 ‰
Minimum curvature radius	131.23 ft (40 m)
Diesel motorization	3-cylinder engine: 31 kW (42 ch)
Maximum load	Platform: 584.22 lbs (265 kg) / 2 pers. Cradle: 364 lbs (165 kg) / 1 pers.
Maximum load PR	5,071 lbs (2,300 kg) 4 pers.
Maximum crane lifting capacity PR GR	4,409 lbs (2,000 kg)
Maximum rail speed	19 mph (30 km/h)
Maximum working speed (folded elevators)	1.55 mph (2.5 km/h)
Noise level	80 dB(A)
Safety	<ul style="list-style-type: none"><li>• Earthing pantograph</li><li>• Safety system to respect track limits</li><li>• Obstacle deflectors</li></ul>
Control (display screen)	<ul style="list-style-type: none"><li>• Visual stagger (offset)</li><li>• User interface</li><li>• Speed</li><li>• Motions, sensors status</li></ul>

### Options

- Platform mounted lifting crane (130 kg of payload)
- Electronic measurement and display of catenary height
- 4 mechanical outriggers for use on road
- Cold weather kit (oil heating for temperatures < -13°F [-25 °C])
- Electrical generator 230 V
- Folding sideboards
- Access ramps to the track
- Trailer
- Electrical insulation of elevators: 2 500 to 25 000 V -9
- Tilting wire boom (no EN 280)
- Gauge 1,676 mm under conditions