



TECHNICAL SPECIFICATIONS (STANDARD)

System Overview & Application

- Modular Road Information System (RIS) based on a heavy-duty base frame
- Suitable for both portrait and landscape masts, including mounted LED displays / VMS signs
- Counterweight configuration adapted to 3-lane or 4-lane applications

Installation & Handling

- Designed for quick installation using a truck-mounted crane; system operational within approximately 2.5 hours
- Masts can be installed by truck-mounted crane and manually positioned
- LED displays / VMS signs mounted manually using truck-mounted crane

Mast & Swivel System

- Equipped with hydraulic system for rotating over the road
- Configuration available for 3-lane and 4-lane applications
- Swivel range and mast positioning adapted to lane configuration

Ballast & Base Frame Construction

- Counterweight configuration adapted to 3- or 4-lane
- Lower frame ballasted with modular concrete blocks (Lego version), up to 10,000 kg / 22,046 lbs
- Transport weight approx. 7000 kg / 15,432 lbs excluding concrete blocks (Lego version)
- Lockable battery compartment integrated in the base frame

Diesel Engine & Battery System

- Kubota Z482 Diesel engine with DC generator
- Equipped with a 400 Ah / 24 Vdc AGM battery pack

Monitoring & Control

- Standard equipped with monitoring system for battery voltage, fuel level and LED failure detection

Software & Connectivity

- Supplied with user-friendly software package: 4G modem including software for remote programming and operation via the user-friendly, free Verdegro portal: www.mobilityplanner.com (excluding mandatory monthly data plan and SIM card with VPN connection)

TECHNICAL SPECIFICATIONS (POWER & HYDRAULIC SYSTEM)

Power Generation

- Equipped with a 24 Vdc diesel generator
- Powered by a 2-cylinder, water-cooled 24 Vdc Kubota diesel engine
- System designed for autonomous operation for a minimum of four weeks

Hydraulic System

- Electric hydraulic power unit integrated
- Power and hydraulic components installed inside lockable compartments

Fuel System

- Fuel tank fitted with level sensor, connected to control unit for monitoring
- Fuel tank fill point accessible from the front, equipped with lockable fuel cap

Emergency Power & Redundancy

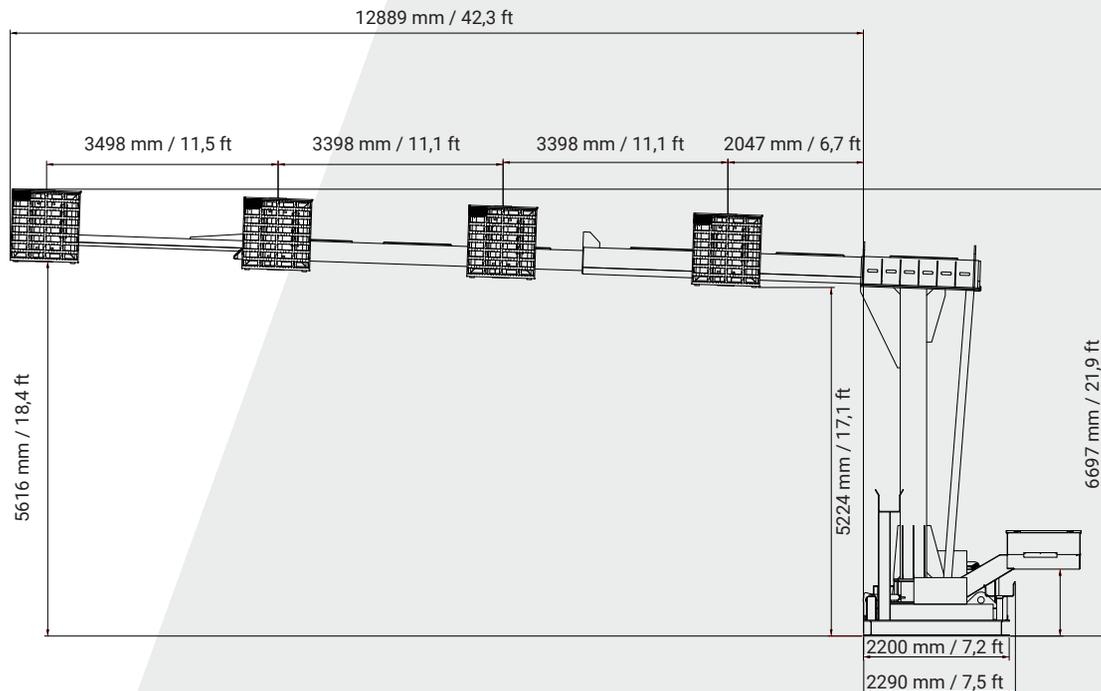
- Emergency battery pack installed as back-up power supply
- In case of generator failure, system continues operating for at least 8 hours on emergency battery pack

Monitoring & Alarms

- Failure and status notifications available when SIM card / modem is installed

OPTIONAL:

A four-lane system available, this should be mounted manually on the existing mast



TECHNICAL SPECIFICATIONS (LED DISPLAYS / VMS SIGNS)

General

- Standard configuration consists of three LED displays / VMS signs
- Manufactured using the latest LED technology in accordance with EN12966 standards

Display & Cabinet Specifications

- Matrix size: 48 × 48 pixels
- Pixel pitch: 20 mm
- Display cabinet dimensions: 1024 × 1024 × 150 mm (H × W × D)

Mounting & Serviceability

- Display cabinets mounted on the cantilever arm
- Front access through hinged service doors
- Internal cable routing through mast and arm

Symbol Set (Standard)

- Arrow down
- White arrow – left and right
- Red cross with diagonal lines
- Speed limit 70 km/h and 90 km/h with red border
- Speed limit 70 km/h and 90 km/h