



**Scan Trailer 8585**  
**Mobile X-Ray Inspection System**

# ScanTrailer 8585 SA

HEIMANN MOBILE X-RAY INSPECTION SYSTEM



### Feature Highlights

- Mobile, flexible system
- Incorporates HI-SCAN 8585
- Single axle trailer for public road
- Portable power generator (option)
- Easy loading by motorized conveyor
- Penetration up to 30 mm steel (typical)
- Film safe up to ISO 1600 / 33 DIN

ScanTrailer is a mobile X-ray inspection system using a non-motorized single axle trailer for public road traffic with an especially manufactured body. The X-ray inspection system HI-SCAN 8585 is integrated.

The ScanTrailer has been designed for places where luggage, freight or mail is loaded or unloaded and has to be checked for customs or security purposes.

The system operates with AC mains. A portable power generator (option) serves to supply the electrical devices independent of a mains source.

Fast and easy loading and unloading of items to be inspected

is established by a powerful motorized conveyor and a heavy duty roller conveyor.

ScanTrailer incorporates the X-ray inspection system HI-SCAN 8585 with a tunnel opening of 855 mm (width) by 855 mm (height).

The powerful X-ray generator (140 kVcp) in combination with the sensitive detector system and the enhanced image processing system guarantee a penetration of up to 30 mm steel (typical).

## Technical Data ScanTrailer 8585 SA

### HI-SCAN 8585 General Specifications (refer to sheet 95588231 for more information)

Tunnel dimensions	855 (W) x 855 (H) [mm] • 33.7" (W) x 33.7" (H)
Max. object size	850 (W) x 850 (H) [mm] • 33.5" (W) x 33.5" (H)
Conveyor height <sup>1)</sup>	approx. 300 mm (11.8")
Conveyor speed at mains frequency 50 Hz / 60 Hz	approx. 0.2 / 0.24 [m/s]
Max. conveyor load even distributed over the whole conveyor	200 kg (441 lbs)
Conveyor system	integrated feed-in conveyor HD discharge roller conveyor fold down in horizontal position for operation
Resolution (wire detectability)	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel) <sup>2)</sup>	standard: 27 mm • typical: 30 mm
X-ray dose / inspection (typical)	standard: 0.8 µSv (0.08 mrem) • with HI-MAT: 1.6 µSv (0.16 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

### ScanTrailer 8585 SA General Specifications

Trailer	1800 kg (3968.3 lbs) permitted total weight; single axle
Body	thermo body in sandwich technique
Safety	indicator X-ray on; emergency stop system
Power supply	external power supply 230 VAC or 110 VAC +10% / -15%; 50 Hz / 60 Hz ± 3 Hz; power cable for external power supply; power distribution
Additional features	accessories
Options	portable power generator

### Trailer General Specifications

Axle	1 trailer axle; suspension on each wheel
Max. speed	80 km/h (49.7 mi/h)
Brake	operation brake overrunning type; hand operated parking brake
Tow bar	tow bar with DIN tow eye or trailer hitch
Accessories	one spare wheel

<sup>1)</sup> from vehicle floor

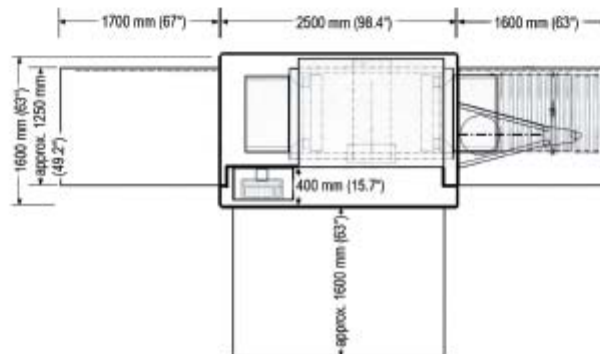
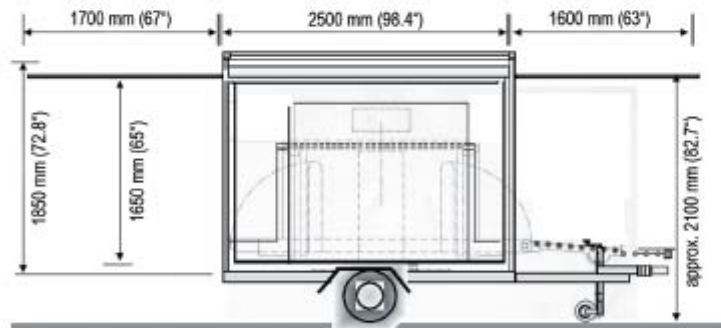
<sup>2)</sup> higher conveyor load at systems with frequency converter

<sup>3)</sup> Conds.: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>4)</sup> extended temperature range on request

<sup>5)</sup> different values / types optional

<sup>6)</sup> without control desk, keyboard, monitor(s) etc.





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