stryker

Power-LOAD Power-PRO XT XPS

Reduce Injuries.

Reduce injuries.

We at Stryker work in partnership with EMS personnel to understand the environment in which EMS products operate and the demands that are placed on them. Teams of engineers then focus on developing robust and reliable equipment that help make the paramedic's job easier, safer and more efficient. Stryker EMS products are built to last and strong enough to handle the rigorous demands of the EMS environment.

Safety

It's a powerful thing

Page 3

Power-PRO XT

Powered ambulance cot

Page 4

Power-LOAD

Power-loading cot fastener system

Page 5

XPS

Expandable patient surface

Page 6

Safety it's a powerful thing.

At Stryker, we put quality first in everything we do. We continually improve our quality systems to develop, produce and market products that meet or exceed the requirements of customers and regulatory agencies around the world.

Certifications / testings

- UL recognised to UL 60601-1 (Medical Electrical Equipment, Part 1: General Requirements for Safety)
- Compliant to IEC 60601-1-2 (Electromagnetic Compatibility)
- Transmitter: FCC, IC, and ACMA approved, RTTE compliant
- BS EN 1789
  European standard governing the performance and safety of road ambulances, a requirement of which is the dynamic evaluation of the cot fastener as a system to 10g in the forward, rearward, left, right and vertical directions (using a 50th percentile manikin).
- IPX6 refers to the product's ability to withstand powerful jets of water without adverse effects.
- CE: MDD, RTTE Directive

Safety features

(Power-LOAD and Power-PRO XT)

- Angle sensors – within the system indicate the Power-LOAD lifting arms are at the correct position to release the cot from the trolley.
- Support sensors – ensure that the wheels of the cot are on the ground before the lifting arms stop supporting the cot.
- Safe position feature – the Power-LOAD lifting arms will not lift if the cot is not in position and ready to be loaded.
- Safe cot release – if the lifting arms have not lowered, the cot release handles will not function.
- Manual override – for cot release handles on the head-end of the trolley on both the patient right and patient left that will allow manual release of the trolley head-end.
- Manual back-up – lowering of lifting arms in any circumstance by pressing and holding manual lower button.
- Transfer lock override – transfer can be manually pushed into the ambulance and can be secured for transport and vice versa.
- Power-LOAD battery – non-spillable battery for durability.
- Wireless communication safety feature – if two cots are within the same vicinity or within the same ambulance they will not cross communicate.
- Safety hook – assures handling confidence when loading and unloading in the event of power loss.
- Pressure-locking valve – Power-PRO has been designed with a pressure-locking valve that prevents the cot from lowering when the manual release handle is pulled, until the pressure is released from the head and foot-end of the cot.
  - This same feature exists when loading with Power-LOAD, the foot-end operator can hold the manual release valve, raise the cot legs, and push the cot into transport position.
  - When unloading, the foot-end operator can squeeze the manual release handle to lower the legs, and the cot will not lower completely until the manual override panel is used to lower the Power-LOAD lifting arms.

SMRT – Efficient Power-PRO XT battery management

SMRT batteries with inductive charging - The SMRT Power System will give your Power-PRO cot performance. This is a tough, professional-grade system designed for the high-pressure world of EMS. The SMRT Power System eliminates the time-consuming and elaborate charging protocols and "tuning" usually required for maintaining reliable, high performance battery-powered systems. In combination with Power-LOAD it is charged while you are driving with inductive charging. This ensures a reliable operation of the system.

Power-Pro XT

Powered ambulance cot

Reduce the risk of injuries when raising and lowering.

Medics experience frequent spinal loading due to repetitive motions such as lifting, lowering, carrying, and bending. Use of the Power-PRO XT has proven to reduce spinal loading, resulting in reduced injuries, lost or modified workdays and workers' compensation costs, and intends to increase recruitment and retention.[1]

Key features and benefits Power-PRO XT 6506:

- Hydraulic lift system
- Settable load height with jog function
- Power-LOAD compatibility option
- Shock, flat leg or optional knee gatch positioning
- Retractable head section

Retractable head section
The retractable head section with safety bar has conveniently located release handles that retract the head section into the cot. The safety bar release is designed to keep hands away from the cot mechanism.

Lift-capable safety bar
Assures handling confidence. Reduces lift height for smaller operators.

Battery pack release control
Accessible and easily changed.

US patented x-frame
Will not hot drop.

Oversised wheels
Requires less force to roll, improving manoeuvrability over rough terrain.

Head and foot-end lift and grip section
Ergonomic lifting handles optimised to 30 degrees. Grips have a textured, durable, nonslip surface for operator control.

318 kg capacity

1. Evaluation of Medical Cot Design Considering the Biomechanical Impact on Emergency Response Personnel – T.K. Fredericks, S.E. Butt, K.S. Harms, J.D. Burns XXVth Annual Occupational Ergonomics and Safety. Conference.

Power-LOAD

Power-loading cot fastener system

Lifts and lowers the cot into and out of the ambulance, reducing spinal loads and the risk of cumulative trauma injuries.

The Power-LOAD cot fastener system is designed to improve operator and patient safety by supporting the cot throughout the loading and unloading process. The reduction in spinal load helps prevent cumulative trauma injuries. Power-LOAD wirelessly communicates with Power-PRO cots for ease of operation and operator convenience.[1]

Key features and benefits

- Lifting arms
- Head end LED indicators
- Cot release handles
- Linear transfer system
- Duplicate LED indicator
- Manual trolley release
- Inductive charging
- Control panel
- Battery indicator
- Foot end release
- Safety hook
- Trolley

Head-end LED indicators
Keeps operator informed of position status. Solid green when in position or ready to transport; flashing amber when not in position or not ready to transport.

Manual cot release
Allows cot to be unlocked once all the wheels are on the ground.

Linear transfer system
Supports and guides the cot during loading and unloading.

Control panel with battery indicator
Allows complete operation for manual cots as well as the operation of powered cots in the event of a power loss.

Lifting arms
Battery-powered hydraulic lift system supports the cot and patient during loading and unloading.

1. Evaluation of Medical Cot Design Considering the Biomechanical Impact on Emergency Response Personnel – T.K. Fredericks, S.E. Butt, K.S. Harms, J.D. Burns XXVth Annual Occupational Ergonomics and Safety. Conference.

XPS

Expandable patient surface

The all-in-one solution for a variety of patients and environments.

XPS provides an expanded patient surface area that can easily be retrofitted with compatible cots*. XPS is adjustable with seven locking positions and includes a wider mattress that reduces the transfer gap and is designed with patient comfort in mind. This solution helps address growing obesity trends and supports a variety of patients and environments.

* Power-PRO XT, Power-PRO TL and Performance-PRO XT

Key features and benefits

- Increased patient surface (surface mini 58 cm, surface maxi 84 cm)
- Adjustability for patients and environments
- 7 locking positions
- Integrated into cot – Always there
- Easily retrofitted to existing compatible cots
- Release handles designed to keep hands away from the cot mechanism
- Durable aluminium over-mould design
- Mattress design reduces transfer gap
- Enhanced patient comfort
- Compliant with tip stability and dynamic crash certifications[1]

[1] Certified to IEC 60601-1 for Power-PRO XT, Power-PRO TL and Performance-PRO XT.

Reduced transfer gap
Mattress design reduces transfer gap.

Durability
Engineered for durability with an aluminum core.

Release handles
Release handles designed to keep hands away from the cot mechanism.

+38%
surface area
surface mini 58 cm
surface maxi 84 cm

Power-PRO XT specifications

Model Number	6506
Overall Length	206 cm
Standard	206 cm
Minimum	160 cm
Overall Width	58 cm
Maximum Weight Capacity[2]	318 kg
Height Range (to litter range)	
High[1]	105 cm
Low	36 cm
Weight[2]	57 kg
Backrest Articulation[3]	0° to 75°
Recommended Loading Height[4]	Up to 91 cm

[1] Height measured from bottom of mattress, at seat section, to ground level.

[2] Cot is weighed with one battery pack, without mattress and restraints.

[3] With fowler option (6506-012-004).

[4] Can accomodate load decks up to 91cm. Load height can be set between 66 cm and 91 cm.

Stryker reserves the right to change specifications without notice.
In-service video included with each order.
Cot is compliant to the BS EN 1865-2:2010+A1:2015 standard with the 1865 fowler option (6506-012-004). Cot is compliant to the BS EN 1865-3:2012+A1:2015 standard with the XPS option (6506-040-000).

Power-LOAD specifications

Model Number	6390
Length	
Overall	241 cm
Minimum	228 cm
Width	62 cm
Weight	
Total Weight	96.5 kg
Floor Plate Assembly	7.5 kg
Anchor Assembly	10.5 kg
Transfer Assembly	30.5 kg
Trolly Assembly	48 kg
Maximum Weight Capacity[1]	318 kg
Minimum Operator Required	
Occupied Cot	2
Unoccupied Cot	1
Recommended Loading Height	56 cm to 91 cm
Battery	12v, 5 Ah Lead Acid Battery (6390-001-468)

[1]Maximum weight capacity represents patient weight. Safe working load of 870 lb (395 kg) represents the sum of the cot total weight and patient.

Meets dynamic crash standards for Power-PRO XT (BS EN-1789) and Performance-PRO XT (BS EN-1789).
Stryker reserves the right to change specifications without notice.
In-service video included with every order.

XPS expandable patient surface

Includes	2 XPS siderails XPS mattress
Weight[1]	4 kg (8 lb)
7 Locking positions	Between 10°-52°
Surface area xpansion	
Locking angle	Width total surface area
10°	23 in (58 cm)
17°	25 in (64 cm)
24°	27 in (69 cm)
31°	29 in (74 cm)
38°	30 in (76 cm)
45°	32 in (81 cm)
52°	33 in (84 cm)
Height	10 in (25 cm)
Length	30 in (76 cm)
XPS mattress width[2]	23 in (58 cm)
XPS compatible cots[3]	
Power-PRO XT	Model 6500/6506
Power-PRO TL	Model 6550
Performance-PRO XT	Model 6085/6086

[1] Additional weight compared to standard siderails not including mattress

[2] Width is measured at widest point (Standard bolster mattress 19 in / 48 cm)

[3] Certified to IEC 60601-1 for Power-PRO XT and Power-PRO TL, and Performance-PRO XT.

Stryker reserves the right to change specification without notice.
All numbers rounded to nearest whole value.

EMS

This document is intended solely for the use of healthcare professionals.

A healthcare professional must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that healthcare professionals be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A healthcare professional must always refer to the package insert, product label and/or instructions for use before using any Stryker product.

Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

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The products depicted are CE marked in accordance with applicable EU Regulations and Directives.

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