



# POWERSEAT®

*taking the work  
out of working at height*



## REVOLUTIONARY DEVICE FOR WORKING AT HEIGHT

The unique Harken Industrial PowerSeat® ascender has revolutionized working at height, allowing the operator to ascend quickly, stay in position longer, and work comfortably. The PowerSeat is the best solution for completing a job on time.



### SPEED CONTROL

The unit is operated using a fail-safe dead man's switch to control ascent speed, up to 15 m/min (49.2 ft/min).



### DURABILITY

Stainless steel load-carrying gears and pins provide strength and durability. Sealed gearbox and high-load roller bearings reduce friction under load, are corrosion resistant, and do not require lubrication.



### BRAKE

The braking system controls descent and provides workers protection against free-falls. The encapsulating jaw cover protects fingers and clothing from catching in the winch.



### ERGONOMIC DESIGN

The PowerSeat is designed to stay in an upright position, conserving worker energy.



### CERTIFICATION

The Harken Industrial PowerSeat is CE certified to the Machinery Directive and independently verified by Bureau Veritas.



## APPLICATIONS

### SIMPLE TO USE AND IDEAL FOR MOVING HEAVY LOADS

The PowerSeat™ ascender is ideal for a wide range of applications including wind turbines, building exteriors, search and rescue scenarios—not only as a powered ascender but also as a portable winch or hauler.

- Construction
- Renewable energy
- Facilities management
- Vessel maintenance
- Theatrical
- Telecommunications
- Architectural
- Utilities, oil & gas



INSPECTION



HAULING



RESCUE

This is not PPE equipment.

Use in conjunction with a full fall-arrest system at all times.



**WARNINGS AND INSTRUCTIONS.** The user must follow the manufacturer's instructions for each component of the system, which must be provided to the user. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance. Alterations or misuse of this equipment, or failure to follow these instructions, may result in serious injury or death.

## FAQs

**Q: IS THE POWERSEAT JUST A MECHANICAL ASCENDER?**

**A:** The certification of the PowerSeat allows it to be used as a powered ascender for access, as well as rigged to assist with hauling and pulling. For example, high angle rescue (when attached to an appropriate anchor), or in conjunction with a tripod for confined space/winch operations.

**Q: IS THE POWERSEAT ONLY RATED FOR SINGLE PERSON USE?**

**A:** Although ideal for one person, the PowerSeat can also be used in tandem rescue situations to a maximum working load of 273 kg (600 lb) for gas, 300 kg (660 lb) for electric and battery.

**Q: WHAT HAPPENS IF I INADVERTENTLY EXCEED THE WORKING LOAD OF THE POWERSEAT?**

**A:** The gas PowerSeat engine is designed to stall when the working load is exceeded. The electric PowerSeat has a cutoff to stop power to the winch. In both cases, the seats are free to descend to release the load. The seats can be restarted to continue use.

**Q: WHAT TYPE OF FUEL DOES THE GAS POWERSEAT USE?**

**A:** The gas PowerSeat runs on unleaded gasoline with a pump octane rating of 86 or higher.

**Q: HOW LONG DOES THE FUEL LAST IN THE GAS POWERSEAT?**

**A:** A full tank of fuel (0.6 L) allows approximately 1200 m (3937') climb distance at 273 kg (600 lb).

**Q: WHAT IS THE ASCENT SPEED?**

**A:** For the gas version, the rate of climb is 15 m per minute at 120 kg (42.2' per minute at 265.6 lb). 11 m (36.09 ft) per minute at 273 kg (600 lb).

**Q: WHAT TRAINING IS REQUIRED? CAN ANYONE USE THE POWERSEAT?**

**A:** Use of the PowerSeat must meet the regulations of the nation and industry in which it is used. It is restricted to those certified for temporary work at height with access and positioning systems using ropes.

**A. WHAT BATTERY DOES THE POWERSEAT BATTERY HAVE AND HOW LONG DOES THE CHARGE LAST?**

**A:** The PowerSeat battery has a 50.4V lithium-ion battery with a BMS (Battery Management System) to preserve its useful life. Certified IP54. In optimum conditions this has a battery life of 550 m with a 125 kg load.

## MODELS

### STANDARD POWERSEAT® ASCENDERS

Harken Industrial PowerSeats are comfortable sit-on powered ascenders and manual friction-brake descenders designed for use by rope-access and rescue operators working at height. Strong and lightweight, these portable ascenders allow workers to get to the job quickly and work comfortably for longer periods of time. Most importantly, safety is greatly enhanced through a significant reduction in fatigue.



#### GASOLINE

Fuel efficient; 4-stroke mix of unleaded gas.



#### ELECTRIC

50.4V motor; 35 m long cable; 110/230V transformer; certified to IP54.



#### BATTERY

50.4V lithium-ion battery with BMS battery management; certified to IP54.



### COMPACT POWERSEAT ASCENDERS

These powerful, lightweight ascenders maximize the efficiency of the PowerSeat as a hauling device, while maintaining their functionality as powered ascenders. The seats have been removed and the long stem shortened for significant reductions in weight and size — perfect for confined space access. The user is suspended under the unit with full control from below.

PowerSeat is a registered trademark of Harken, Inc.

Part No.	Description	Max line speed		Weight		Rope Ø		Max		Max rated load	
		ft/min	m/min	lb	kg	Min	Max	in	mm	lb	kN
PWRS-G	Gas	49	15	31	14	3/8	10	1/2	12.7	600	2.7
PWRS-E	Electric	46	14	42	19	3/8	10	1/2	12.7	660	3
PWRS-B	Battery	46	14	42*	19*	3/8	10	1/2	12.7	660	3
PWRS-GC	Compact gas	49	15	28	13	3/8	10	1/2	12.7	600	2.7
PWRS-EC	Compact electric	46	14	39	18	3/8	10	1/2	12.7	660	3
PWRS-BC	Compact battery	46	14	39*	18*	3/8	10	1/2	12.7	660	3

\*Plus 3 kg (6.6 lb) for battery.



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