SKYREACH

TECHNICAL SPECIFICATION SHEET

SKYREACH 600

Self-propelled electric vacuum lifting robot

A battery-electric vacuum lifter that drives itself to the slab, picks it up on six sponge pads and places it: the boom lifts, telescopes and shifts sideways, and the pad frame turns 360° and tilts, all from a wireless remote.



1,323 lb	12 ft 1¾ in	31.9 in	24 V lithium
Capacity, retracted (600 kg)	Lifting height (3,700 mm)	Chassis width (810 mm)	Battery, 4–6 h charge

At 31.9 in (810 mm) wide it is built for indoor installations.

KEY FEATURES

- **Wireless remote control**
  Two joysticks run the boom, the side shift and the pad frame; switches control the vacuum and the emergency stop sits in the middle.
- **Electric rotation and tilt**
  The pad frame turns 360° and tilts 90° left or right under power, and moves 180° from flat to vertical.
- **Counterweights come off**
  28 plates of 44.1 lb (20 kg) lift out for transport in an elevator; the machine is about 2,094 lb (950 kg) without them.
- **Vacuum pumps**
  24 V DC pumps start automatically when the vacuum falls and stop when it is restored.
- **Lithium power**
  24 V, 250 Ah lithium battery: 4–6 hours to charge from a U.S. 110 V outlet; a full working day, or 2–3 days at lighter use.

APPLICATIONS Slab handling and countertop installation: granite, quartz, quartzite and marble with a sealed surface; indoor work on smooth floors, through standard doorways; glass and other smooth, non-porous panels.

SKYREACH 600 · TECHNICAL DATA

SELF-PROPELLED ELECTRIC VACUUM LIFTING ROBOT

CAPACITY AND REACH	
Rated capacity, boom retracted	1,323 lb (600 kg)
Rated capacity, boom fully extended	661 lb (300 kg)
Load-chart stages	600 / 540 / 455 / 350 / 1,323 / 1,190 / 1,003 / 772 / 661 lb (300 kg)
Max. lifting height	12 ft 1¾ in (3,700 mm), ground to the center of the suction frame

VACUUM SYSTEM	
Suction pads	6 sponge pads, 15.7 × 9.8 in (400 × 250 mm) each
Vacuum pumps	2, one per circuit
Circuits	2 independent circuits with check valves
Monitoring	Vacuum gauges with alarm buzzer

MOVEMENTS	
Pad frame, vertical	180°, automatic
Boom in / out	Telescopic, automatic
Arm up / down	Powered, automatic
Lateral side shift	3.9 in (100 mm), automatic
Pad-frame tilt	Left / right 90°, electric
Pad-frame rotation	360°, electric

CONTROL	
Remote	Wireless remote control
Variable speed	Boom extension / retraction, lifting / lowering and side shift
Fixed speed	Driving, pad-frame rotation and tilt

DRIVE AND POWER	
Drive	Self-propelled, rear drive wheel with electromagnetic brake
Drive motor	24 V / 1,500 W (2.0 hp)
Lifting motor	24 V / 2,200 W (3.0 hp), 12 L hydraulic unit
Tires	Solid, for smooth floors
Outriggers	PU outriggers on both sides
Battery	24 V lithium, 250 Ah, 120 A BMS; 121 lb (55 kg)
Charger	24 V / 50 A; U.S. 110 V / 60 Hz single phase, U.S. plug
Charging time	4–6 hours
Runtime	One working day, or 2–3 days at lighter use (factory)

SERVICE	
Warranty	One year, Next Level written terms
Spare parts	Stocked by Next Level in the U.S.

MACHINE	
Chassis width	31.9 in (810 mm)
Overall length	8 ft 4.8 in (2,560 mm)
Max. lifting height	12 ft 1¾ in (3,700 mm)
Machine weight, no counterweights	≈ 2,094 lb (≈ 950 kg)

COUNTERWEIGHTS AND SHIPPING	
Counterweights	28 removable plates, 44.1 lb (20 kg) each; 1,235 lb (560 kg) total
Wooden crate	101.6 × 40.6 × 65.7 in (2,580 × 1,030 × 1,670 mm)
Crate gross weight	3,594 lb (1,630 kg)

INCLUDED AS STANDARD

- Six sponge suction pads on the electric rotating and tilting pad frame
- Two vacuum pumps, two independent circuits, gauges and alarm
- Wireless remote with variable speed
- 24 V lithium battery and U.S. 110 V charger
- 28 removable counterweight plates
- Load chart, operator manual and one-year warranty

EVERY SHIFT (OPERATOR MANUAL)

- Battery above 25 % before work; charge when the gauge asks.
- Vacuum test: lift one pad edge; the pump must restart and the gauge must recover.
- Run every function without a load; keep people clear of the working area.
- Clean, dry slab surface: the cleaner the surface, the better the seal.

Factory data for the Next Level configuration, Aug–Sep 2026. Capacity falls as the boom extends; the load chart on the machine governs. Runtime depends on use. U.S. values first, metric in brackets. Specifications are subject to change without notice. Images may show optional equipment. All dimensions and weights are approximate; U.S. values are converted from the factory's metric data. Document date: Nov 2026. Next Level Enterprises · www.nextlevel.plus · +1 941-900-3018 · sales@nextlevel.plus