



Hiflow

FIXED BIN LIFTER

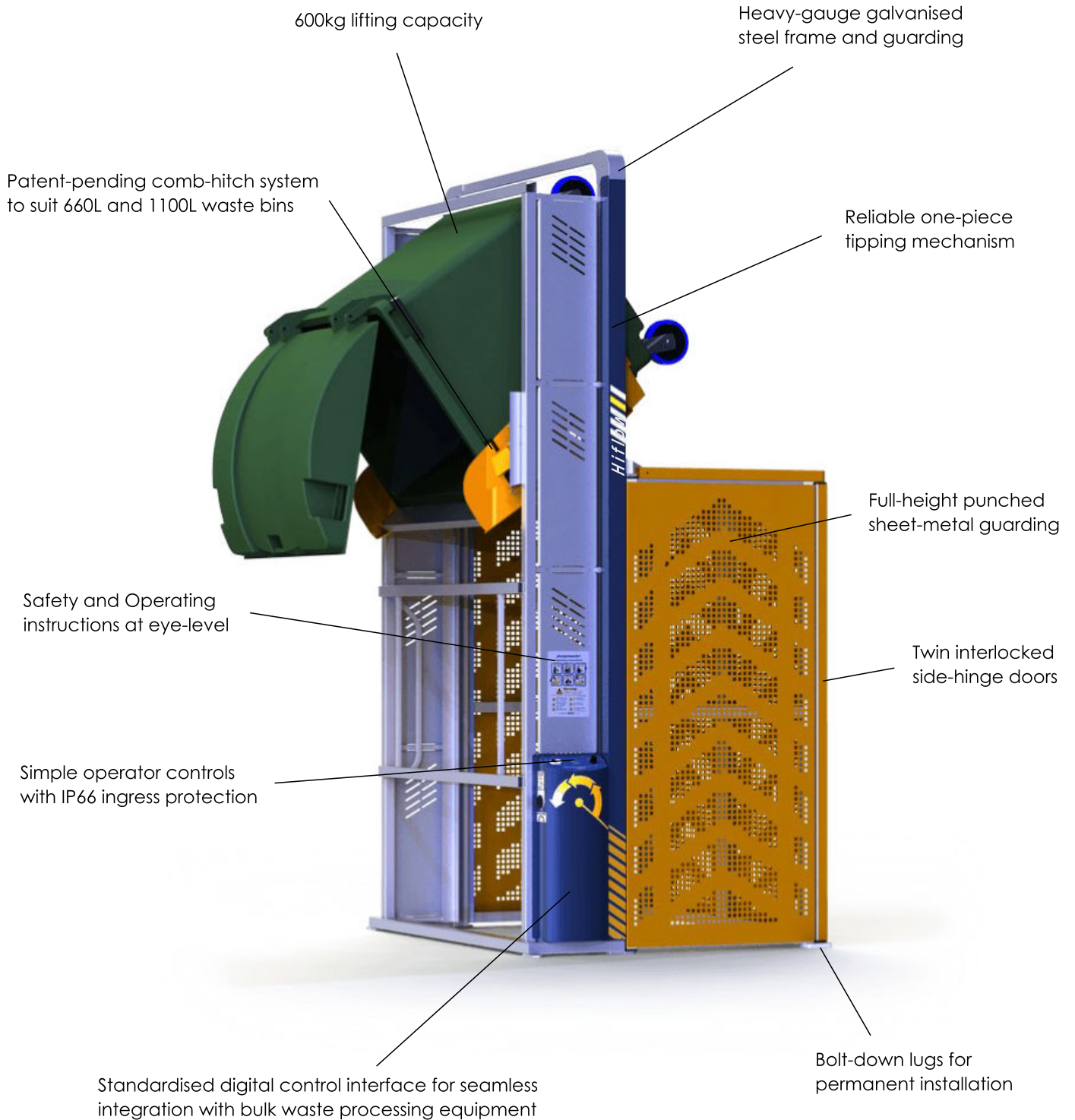
**GENERAL
WASTE
(LANDFILL)**

**COMPACTOR
C**



Features

SIMPRO HIFLOW



Heavy-duty side hinge doors



Patent-pending comb hitch



Reliable one-piece tipping guide





1.8m

Standard tipping height



600kg

Capacity (max gross bin weight)



**20,000kg of material
per hour continuous**

Duty cycle



3-phase

Power supply

**“Good machinery,
easy to operate,
responsive support”**

Tim Simpkins - General Manager Sales - Reclaim Ltd

Hiflow is a heavy-duty bin lifter from Simpro, with huge throughput capacity and a patent-pending mechanical comb hitch to suit 240L, 660L and 1100L bins. It is designed as a plug-and-play replacement for the bin lifters that are often built into high-volume waste processing equipment, such as compactors and balers. The Hiflow bin lift offers machinery OEMs lower costs, higher reliability, better safety and Simpro's trusted bin lifting expertise.

The Hiflow can quickly dump large four-wheeled bins weighing up to 600kg, and unlike traditional fixed-pivot lifts, it can be built to empty bins at any height. The patent-pending comb hitch system lifts all common waste bins, and avoids placing large stresses onto the plastic bin comb. With no actuators and just three moving parts, the comb hitch system also offers dramatically reduced cost, complexity and maintenance.

The Hiflow features an ultra-heavy-gauge steel frame, guarding and doors, and a standardised control interface for seamless integration with all types of bulk waste processing equipment.

With a Simpro Hiflow, you can focus on what you're good at. We'll empty the bins into it.



Specifications

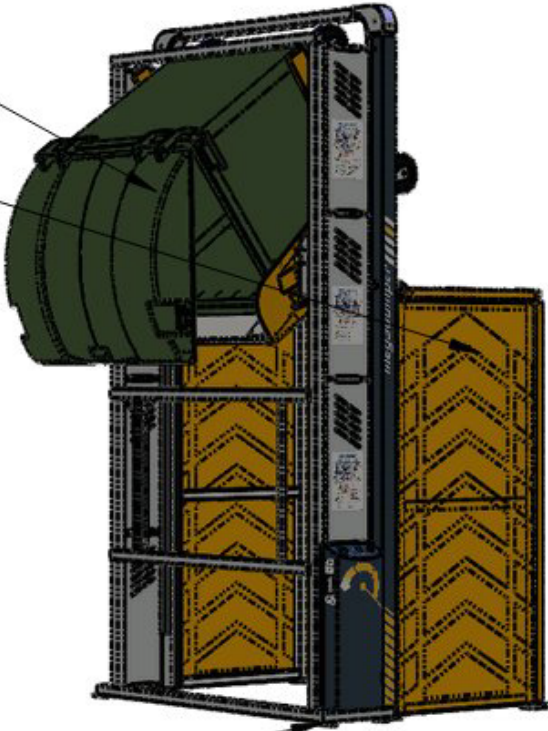
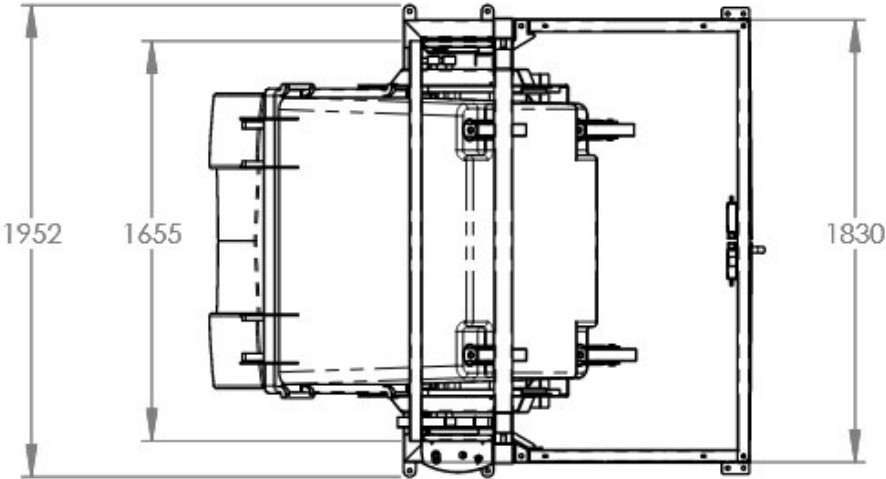
SIMPRO HIFLOW

Model	HF1800-3	HFXXXX-3 (Custom)
Tipping height	1800mm	xxxx mm
Height	3460mm	xxxx + 1660mm
Length	1440mm doors closed / 2355mm doors open	
Width	1830mm	
Weight	~510kg	~xxxx * 0.1 + 330kg
Capacity (max bin weight)	600kg	
Bin compatibility	1x 1100L Wheelie Bin or 1x 660L Wheelie Bin or simultaneously 2x any of the following: 240L Wheelie Bin, 140L Wheelie Bin, 120L Wheelie Bin, 80L Wheelie Bin, 60L Wheelie Bin	
Bin throw	~150mm	
Electrical specifications	3-phase mains supply (380-415VAC 50-60hz, max draw 1.9 Amps), with 0.75kW AC electric motor, and 24VDC control circuit	
User interface	Raise/Lower buttons, key switch, master lockout switch (options: autocycle controls, E-stop button)	
Ingress protection	IP55 (options: IP66, IP69K)	
Cradle travel speed	0.2m/s lifting / 0.3m/s lowering	
Tipping cycle duration	~30s	~xxxx / 80 + 4s
Noise level at operator's ear	<60dB(A)	
Materials	Hot-dip galvanised steel frame, bin hitch and tipping mechanism, with galvanised, powdercoated 1.6mm sheet steel guarding and safety covers	
Door	2x heavy-duty side-hinge doors with solenoid-operated electrical safety interlocks	
Mounting	4x bolt-down lugs	
Applicable Standards and Certifications	AS/NZS4024, AS/NZS3000, ISO 13849-1, IEC 62061, Conformité Européene (CE), EN 349 1993, EN 574 1996+A1:200, EN 953 1997, EN ISO 4413 2010, EN ISO 12100 2010, EN ISO13849-1 2006, EN ISO 13857 2008, EN 60204 2006+A1 2009, EN61000-6-2 2005, EN61000-6-4 2007, Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2004/108/EC	

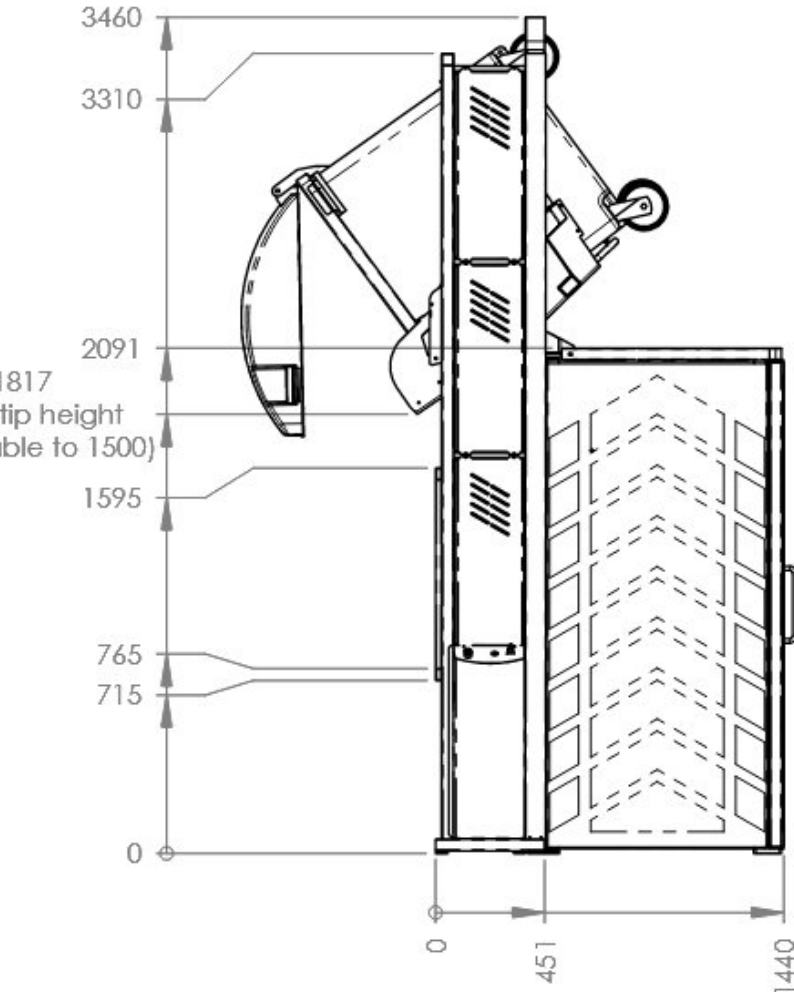
Nom
(adjust)

Comb-lift takes all sizes of EN840 Bin

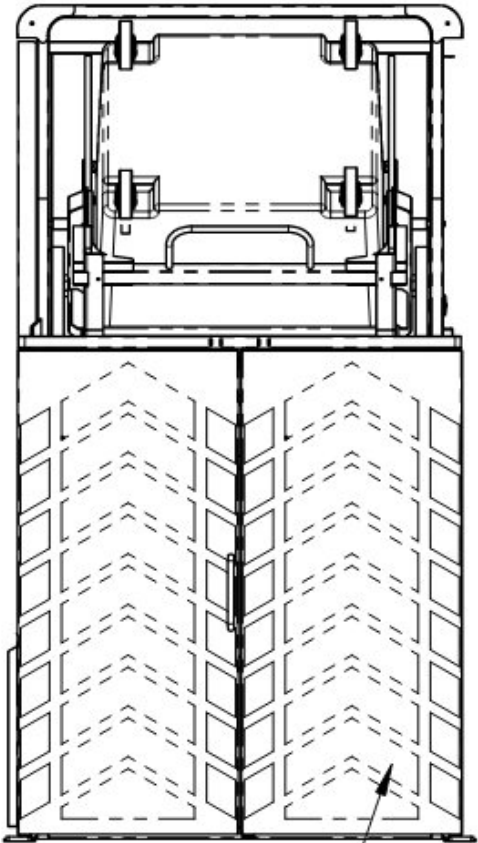
Punched sheet side guard panels



Bolt-down lugs



817 (tip height (able to 1500))



2 x Side-hinged heavy duty doors

i Simpro has been developing, manufacturing and retailing Smart Lifting solutions for over thirty years. From humble beginnings as a small engineering firm in Auckland, New Zealand, the company has grown to become a leading supplier of equipment for niche applications – such as bin lifting, tipping and handling equipment, pallet trucks, stackers, order pickers, and goods lifts.

Simpro products play an unobtrusive but essential role for thousands of companies around the world, in industries as diverse as waste management, resource extraction, pharmaceutical manufacturing and food processing. They are distributed through a worldwide network of agents, and are backed by a sophisticated in-house design and fabrication capability.

Simpro is a family-owned company, registered with the New Zealand Companies Office as Simpro Handling Equipment Ltd, company no. 1827916. Simpro Europe Srl is the exclusive distributor of Simpro products across Europe and the UK, and is headquartered in Italy.

The products in this brochure contain intellectual property, including design elements registered to or licensed by Simpro Handling Equipment Ltd.



Showroom:

Simpro Europe Srl
Via Enrico Mattei
Masera di Padova 35020
ITALY



sales@simpro-europe.com



simpro-europe.com



[@SimproEurope](https://www.youtube.com/SimproEurope)



Head office:

Simpro Europe Srl
Via Enrico Mattei
Masera di Padova 35020
ITALY

