

# POWERLINK II

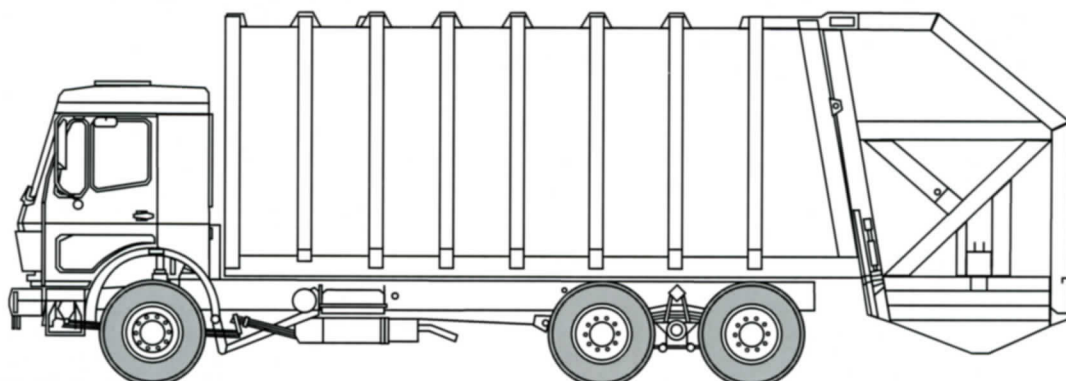


Powerlink, modelled on the industry-standard Big Bite, provides flexibility to any RCV fleet.

The full-cycle compaction mechanism produces less friction than conventional channelled compaction systems, ensuring a greater force is directed into the load. The reduction of friction increases durability of materials, improving whole life costs.



# POWERLINK II



## FEATURES & BENEFITS

Feature	Benefit
Elimination of slide blocks and sliding surfaces.	Reduces friction, allows contact area to be better protected. Low maintenance, less downtime.
Large hopper capacity.	2.13m <sup>3</sup> to handle bulky items.
Packer bearings & tailgate hinge greased from outside hopper.	Safe and easy maintenance.
Cylinders mounted with rods uppermost and case hardened.	Cylinder rods well protected and less susceptible to damage.
Proximity switches (no moving parts) built into blade ram.	Well protected – no adjustment necessary.
Hardened chrome plated pins and composite bushes used extensively.	Less maintenance. Precision control.
Uncluttered hopper due to swing link design.	Less damage to moving parts.
Loading mechanism programmed to work in unison with split Autolift.	More efficient – helps prevent spillage with low level auto lifts.
Dual controls available as option.	Ease of operation.
8mm abrasion resistant steel hopper floor.	Durability.
Body floor 4.7mm high strength steel.	Long life.
Front of body screened in with mesh.	Protection to personnel from injury when operating ejector and prevents rubbish from collecting in engine area.
Body mount using all flexible components.	Prevents damage to body or chassis components in rough road or driving conditions.
Ejector rollers are replaceable without removing ejector plate.	Ease of serviceability.
All hydraulic pipes, fittings and fasteners are galvanised before painting.	Prevents rust shortening the life or detracting from the appearance of your unit.
Separate hydraulic cylinders for tailgate locks.	Provide secure and positive latching of tailgate to prevent accidental openings.
Modelled on Big Bite swing link design.	Unrivalled reliability and performance.
Unique paint application process.	Rust resistant, more durable paint finish.
PLC well sealed against water ingress.	Certified IP65.
Three year Goldstar warranty supported by Nationwide Network Service.	Minimum downtime, quick response.
Training included in price.	Customer confidence in product knowledge.

## CONTROLS

Programmable logic control (PLC) for precision control. Electrically operated dual controls for compaction mechanism. All push buttons, relays and switches are protected to IP 65. Simple convenient nearside and off-side control panel incorporating emergency stop buttons.

## CHASSIS

The refuse collection body and equipment can be mounted onto any suitable 4, 6 or 8 wheeled chassis of the customer's choice. Front screen as standard. Dual pumps as standard.

## SAFETY FEATURES INCLUDE

Audible tailgate raise warning system.  
Full CE certification.  
Amber warning beacons.

## OPTIONS:

Choice of body size: 16, 19, 22 & 26m<sup>3</sup>.  
Many additional product enhancement options available.  
Auxiliary bin lifts available on request.  
Compatible with all bin lift manufactures.



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CONSTRUCTION SPECIFICATIONS	
High tensile steel	Thickness, mm
Body sides <sup>(1)</sup>	3
Body roof <sup>(1)</sup>	3
Body floor <sup>(1)</sup>	4.7
Body longmember <sup>(1)</sup>	3.5
Body crossmembers <sup>(1)</sup>	3
Hopper floor <sup>(2)</sup>	8
Hopper sides <sup>(2)</sup>	
Packing blade <sup>(1)</sup>	4.7
Ejector panel <sup>(1)</sup>	2.7

(1) 550 N/mm<sup>2</sup>

(2) Abrasion resistant, 1150 N/mm<sup>2</sup>, 360 Brinell min

#### CHASSIS SELECTION

For chassis selection, consult POWERLINK Mounting Manual or consult your HEIL Distributor.

#### BIN SIZES

This is totally hoist dependant but covers 120 Litre, 240 Litre, 360 Litre and 1100 Litre bin sizes

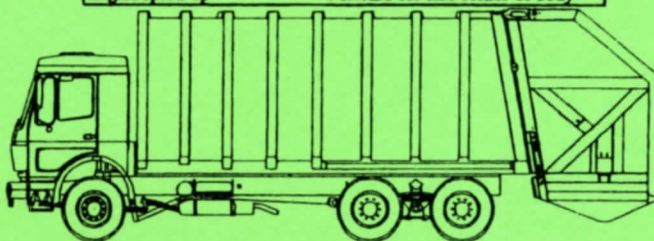
Other bin sizes are possible, again these are hoist and tailgate loading width dependant

HYDRAULIC SPECIFICATION	
<b>PUMP</b>	
Type	High pressure vane
Maximum operating pressure	170 Bar
Litres at working RPM	112 litres/min
<b>OIL RESERVOIR</b>	
Tank capacity 16 m <sup>3</sup>	112.5 litres
19 to 25 m <sup>3</sup>	180 litres
Filters	10 micron, replaceable element 125 micron suction strainer
<b>VALVES</b>	
Shut-off tank to pump	Standard
Packing control	Spool type
Ejector and tailgate raise	Spool type

#### OPERATING CONTROLS ("CE" CERTIFIED)

Type	PLC based, electric
Packing	Both sides of tailgate
Emergency stop	Both sides of tailgate
Stop	Both sides of tailgate
Manual controls	Curbside of tailgate
Rescue	Both sides of tailgate
Tailgate raise	Forward off-side corner of body
Ejector	Forward off-side corner of body
Tailgate lower	Rear off-side corner of body
P.T.O.	Inside cab
Signal buzzer switches	Both sides of tailgate
Engine speed-up	Forward off-side corner of body

## HEIL POWERLINK REAR END LOADER



BODY SPECIFICATIONS						
MODEL	CAPACITY m <sup>3</sup>	OVERALL LENGTH BODY AND TAILGATE mm	OVERALL LENGTH TAILGATE RAISED mm	OVERALL WIDTH mm	OVERALL HEIGHT TAILGATE LOWERED <sup>(1)</sup> mm	OVERALL HEIGHT TAILGATE RAISED <sup>(1)</sup> mm
PLK - 16	16	5783	6753	2430	2267	4038
PLK - 19	19	6443	7413	2430	2190	3962
PLK - 21	21	6995	7965	2430	2190	3962
PLK - 22	22	7155	8125	2430	2190	3962
PLK - 25	25	7795	8765	2430	2190	3962
PLK - 26	26	8132	9102	2430	2190	3962

(1) Height from bottom of longmember

CYLINDERS								
MODEL	TAILGATE RAISE (2)		PACKING BLADE (2) Double Acting		SHIELD (2) Double Acting		SHUR-LOCK (2) Double Acting	
	BORE	STROKE	BORE	STROKE	BORE	STROKE	BORE	STROKE
ALL	85 mm	876 mm	102 mm	606 mm	127 mm	943 mm	63.5 mm	76 mm

EJECTION			
Double Acting Telescope			
MODEL	STAGE	DIA. LARGEST STAGE mm	STROKE mm
PLK - 16	4	152	2781
PLK - 19	4	152	3159
PLK - 21	5	179	3696
PLK - 22	5	179	3861
PLK - 25	6	203	4490
PLK - 26	6	203	4747

All designs, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is informational in nature and shall not be construed to warrant suitability of the unit for any particular purpose as performance may vary with the conditions encountered. The only warranty applicable is our standard written warranty for this product.

TAILGATE SPECIFICATIONS			
HOPPER CAPACITY	LOADING SILL HEIGHT	HOPPER LOADING WIDTH	CYCLE TIME
Swept volume 2.13 m <sup>3</sup> EN 1501 1.26 m <sup>3</sup>	Even with bottom of longmember, except PLK-16 which is 80 mm above bottom of longmember	2032 mm	23-24 seconds



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