

PL+ Specifications

Features and Benefits

- **12.5 tonnes lifting capability per PL+**, multiple units increase lifting capability; for example three units would lift approximately 34.5 tonnes.
- **Fully certified to work across the rail network**, including under live Overhead Line Equipment (OLE), Any Line Open working (ALO), and Catenary.
- A fully loaded Panel Lifter System **can turn in any direction while in motion**.
- Variable track width allows access and **use in narrow environments** like bridges, tunnels, and narrow right of way.
- Ideal for **removing and installing panels** on main line, repairs, and challenging new builds or crossings
- Can **easily cross multiple tracks** without damaging the rail.
- Can grab **all gauges** of track.
- **Compact size and maneuverability** enables easy transportation, rapid deployment, and demobilization.
- A panel lifter system of two machines can be used to **move panel lengths on average 24384 mm** long. More machines can be added to move longer panels.

Machine Data	Imperial	Metric
Gradient	1:5, 20%, 11° (Alarm Setting)	
Noise Levels (High Engine Speed)	76.dB(A) @1M Engine Idle, 84.dB(A) @3.28 ft Engine Full	

Engine Data	Imperial	Metric
Engine Type	Kubota O3 Series - V2403-CR-E5	
Cylinders	4 In-Line	
Power Output	32 kW, 43 bhp @ 2,100 rpm	
Idle Speed	900 rpm	
Half Speed	1500 rpm	
Full speed	2100 rpm	
Emissions	EU Stage V, Tier 4 Final	
Alternator	2-volt 40 amp	
Battery	Type O17 - 12V, 90 Ah, 720A CCA.	
Oil Type	Shell Rimula RT4X 15w-40w	
Oil Capacity	2.51 US gallons	9.5 litres
Coolant Capacity	2.25 US gallons	8.5 litres
Coolant	Valvoline Maxlife 50/50	
Fuel Type	Diesel	
Fuel Tank	26.4 US gallons	100 litres

Hydraulic Data	Imperial	Metric
System Pressure	160 Bar	
Leg Ram Pressure	140 Bar	
Oil Type	Shell Naturelle HFE 46 - Synthetic Biodegradable	
Tank Capacity	16 gallons (Min) 53 US gallons (Max)	60 litres (Min) 200 litres (Max)
Pump	43.98 cc ³ /rev - 23 gallons/ min @ 2,100 rpm	43.98 cc ³ /rev - 88 Litres/ min @ 2,100 RPM



Dimensions

