

## Panel Lifter Specifications

### Features and Benefits

- Combined 18000 KG lifting capacity
- Fully certified to work across the rail network, including under Overhead Line Equipment (OLE) and Any Line Open (ALO)
- Fully loaded Panel Lifter (PL) system can turn in any direction whilst in motion
- Variable track width allowing access and use in narrow environments such as tunnels, bridges and cuttings
- Ideal for removing and installing panels on single lines
- Can easily cross multiple tracks including areas with conductor rail
- Can work with all types of panel
- Compact size and manoeuvrability enables easy transportation, rapid deployment and demobilisation
- A Panel Lifter system of 2 machines can be used to move panel lengths of up to 90 feet (27 Metres) long. More machines can be added to this configuration to move even longer lengths of panels

**Fig. 01**

Single Panel Lifter retracted to smallest configuration.



**Fig. 02**

Panel Lifter system loaded on road transport.



**Fig. 03**

Panel Lifter with 25 Metre concrete sleeper panel, fully retracted entering single bore tunnel.



Machine Data	Metric	Imperial
Vehicle Height	2542 mm (Min) 3692 mm (Max)	100 in (Min) 145 in (Max)
Vehicle Width	2465 mm (Min) 3865 mm (Max)	97 in (Min) 152 in (Max)
Vehicle Length	2874 mm	113 in
Between Tracks	1448 mm (Min) 2850 mm (Max)	57 in (Min) 112 in (Max)
Main Ram Travel	750 mm	30 in
Main Ram Side Shift	+/- 100 mm, 200mm total	+/- 4 in, 8 in total
Leg Vertical Ram	1150 mm	45 in
Leg Horizontal Ram	1400 mm	55 in
Vehicle Speed	1.1 mph (Low) 2.0 mph (High)	1.8 km/h (Low) 3.2 km/h (High)
Lifting Capacity	Single machine 9000 KG	16094 lbs
Gradient	1:5, 20%, 11° (Alarm Setting)	
Noise Levels	76.dB(A) @1M Engine Idle, 84.dB(A) @1M Engine Full	

Engine Data	Metric	Imperial
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 017 - 12V, 90 Ah, 720A CCA.	
Oil Type	Shell Rimula RT4X 15w-40w	
Oil Capacity	9.5 Litres	2.51 US gal
Coolant Capacity	8.5 Litres	2.25 US gal
Coolant	Valvoline Maxlife 50/50	
Fuel Type	Diesel	
Fuel Tank	100 Litres	26.4 US gal

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

### Dimensions

