# H12 XWM

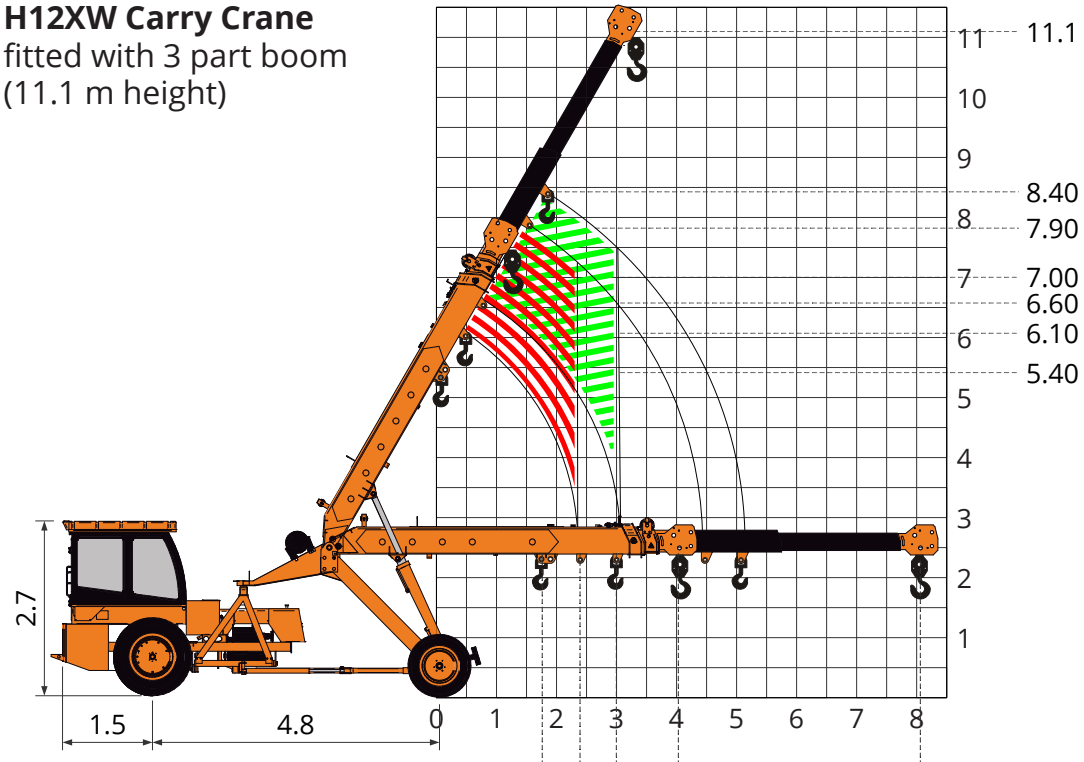
## PICK & CARRY CRANE

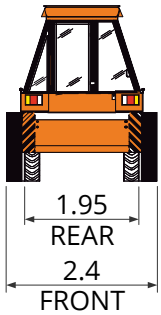
CARRY CRANES

AFFORDABLE • RELIABLE • SAFE

# LOAD CHARTS

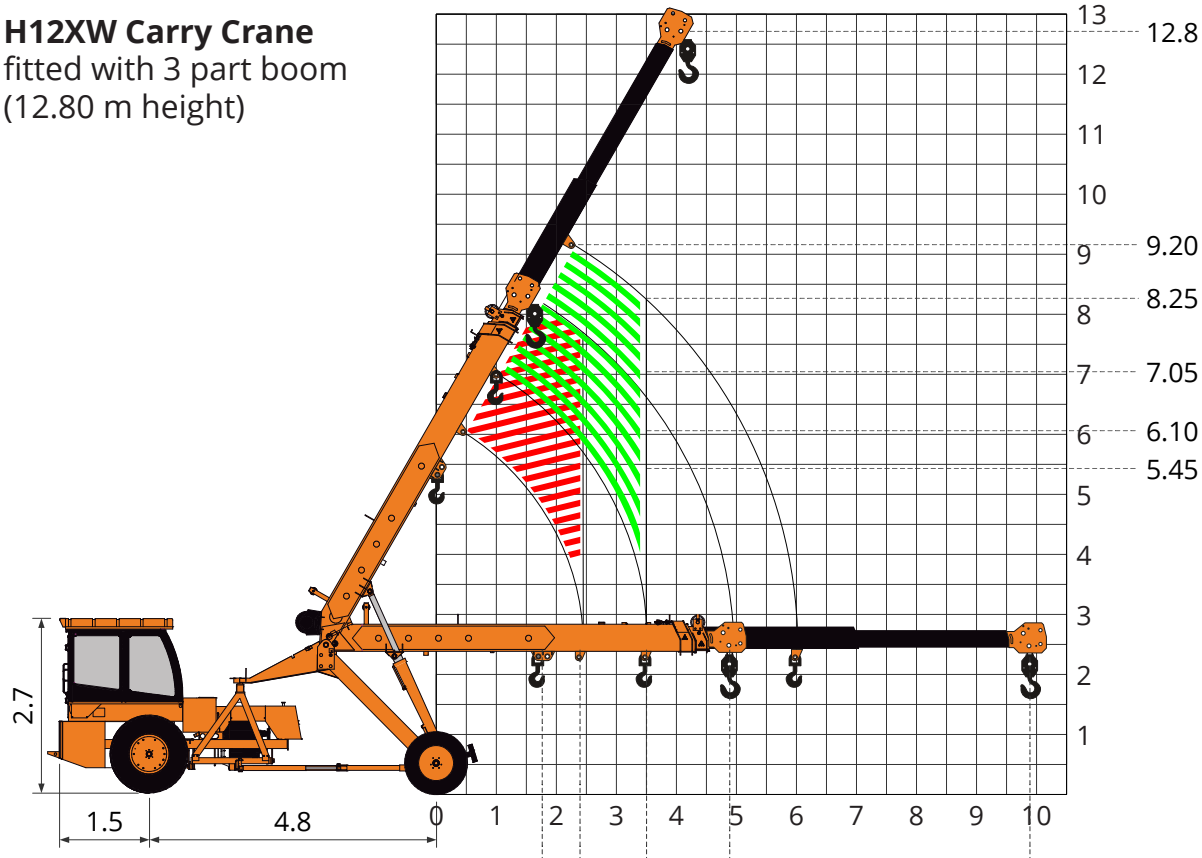
**H12XW Carry Crane**
fitted with 3 part boom
(11.1 m height)




| REACH - METERS | 1.7 | 2.4 | 3.0 | 4.1 | 8.2 |
|---|---|---|---|---|---|
| SWL - TONNES | 12 | 10 | 7.5 | 5.2 | 2.2 |

**H12XW Carry Crane**
fitted with 3 part boom
(12.80 m height)




| REACH - METERS | 1.7 | 2.4 | 3.5 | 4.9 | 9.9 |
|---|---|---|---|---|---|
| SWL - TONNES | 12 | 10 | 6.0 | 4.2 | 1.5 |

# SPECIFICATIONS

| | | |
|---|---|---|
| **BOOM** | Length | 9 900 mm (Alt 11 700 mm) |
| | Luffing Angle | 0 degrees to 60 degrees |
| | Telescoping | 3 part hydraulically powered and fully synchronized |
| | Type | Slotted boom with rope compensation |
| | Derricking | Through double acting hydraulic cylinders |
| **DIMENSIONS** | Length | 10 700 mm (Alt 11 500 mm) |
| | Width | 2 400 mm |
| | Height | 3 200 mm |
| **OPERATING WEIGHT** | Gross Vehicle Weight | 9 250 kg |
| **TYRES** | Front | 11.00 x 20 - 16PR(4 Nos.) |
| | Rear | 13.00 x 24 -12PR(2 Nos.) |
| **TRACK** | Front | 1 930 mm (centre of twin wheels) |
| | Rear | 1 570 mm (centre of wheels) |
| **HOIST MECHANISM** | | Hydraulic winch. Four falls (winch capacity 10 tons). Rope diameter 13 mm. Non-rotating type. |
| **ENGINE** | Make and Model | Four cyclinder water cooled diesel engine.<br>Rated power 37.3 kW @ 2 200 RPM, BS-III (CEV) emission norms |
| **TRANSMISSION** | Drive | 2 wheel drive |
| | Type | Heavy duty transmission developed especially for crane application.<br>Constant mesh gearbox coupled with straight drive axle.<br>Eight forward and two reverse speeds with High/Low selector lever. |
| | Creep Speed | 1.9 km/hr. Ideally suited for crane operations (with load) |
| | Travel Speed | 29 km/hr. Restricted as per safety norms (without load) |
| | Clutch | Single plate heavy duty dry friction type especially designed for crane application |
| **STEERING** | Type | Articulated power steering hydraulically controlled through 2 double acting jacks |
| | Articulation | Up to 55 degrees |
| | Turning Radius | 5 600 mm |
| **WHEELBASE** | | 4 800 mm |
| **BRAKES** | Front Wheel | Pneumatic assisted hydraulic brakes |
| | Rear Wheel | Disc brakes actuated through a slave cylinder |
| | Parking | Hand operated mechanically actuated at rear wheels |
| **HYDRAULIC SYSTEM** | Pump | Vane type hydraulic pump |
| | Control Valve | 4 spool control valve with built in pressure relief valve and precision control |
| | Hydraulic Filter | Suction line has a 100 mesh inline strainer while return line has 25 microns full flow filter |
| **ELECTRICAL SYSTEM** | | 12V single battery negative earth |
| **CAPACITIES** | Fuel Tank | 45 ltrs |
| | Hydraulic Tank | 125 ltrs |

# OVERVIEW

## H SERIES

Our H series pick & carry cranes are ideal yard and workshop cranes. They are robust in design and easy to use with simple controls which allow the crane to be operated for fast take-up by any operator. The H series offers an affordable, reliable and safe solution for our customers' materials handling needs. Each crane comes standard with crawl gear, pneumatic brakes and an SLI system. Optional extras include spark arrestor systems for mining applications as well as customized features on request.

## SAFE LOAD INDICATOR

All Carry Cranes come standard with an easy to use Safe Load Indicator (SLI). Our unit provide Overload, A2B and NLZ cut-out. The SLI is wired into a dump value in the hydrualic circuit. Once the cut-out limit has been reached the dump value is activatived and the crane become immobile. Each unit provides visual feedback by means of a colour bar while the display unit indicates the capacity of crane during each part of lift. In an industry strictly regulated in terms of health and safety for lifting operators, it is law that all cranes must be fitted with Safe Load Indicator (SLI). Our H-Series is first in its class to offer an SLI system as a standard feature.

## SAFETY SYSTEMS

- Safe load indicator (hydraulic cutoff)
- Rope compensation for auto leveling
- Overload audio warning system
- Hose protection failure device
- Cylinder guard for protection
- Safety brakes on hoist

## STANDARD FEATURES

- Turn and reverse lamp
- All weather cabin
- Rear view mirror
- Front bumper
- Reflectors

## OPTIONAL ACCESSORIES

- Load Carrying front bumper
- Air conditioned cabin
- Fire extinguisher
- Spark arrestor

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