

**Hydex<sup>®</sup>**

# Log Hauler

LH45





## FEATURES OF LH45 LOG HAULER (TRUCK ONLY)

- Headboard fitted as standard that can be folded flat for road transportation.
- 38 tonnes load capacity.
- 77 cubic meters volume capacity.
- Built on Cat 745C long wheel base one piece chassis.
- 3.6 m or 4.2 m overall width when infield.
- 3.6 m width for road transportation.
- Up to 7.5 m log length as standard.
- Tire monitoring system fitted as standard equipment.
- Load weight system fitted as standard equipment.

### Options - Off Highway Log Trailer

- Log trailer built with Caterpillar suspension and axles.
- Trailer can accept up to 7.5 m log length.
- 32 tonnes load capacity.
- Tire monitoring system fitted as standard equipment.
- Load weight system fitted as standard equipment.
- Heavy duty hitch assembly and draw bar.

### Other Options

- Full tree length attachment to enable full tree length to be transported.
- 875/65R29 tires

## HYDEX LH45 LOG HAULER WITH TRAILER

The Hydex LH45 Log Hauler with Trailer has been specifically designed to transport harvested logs easily and safely from the stump or logging site to the processing area. Due to the high flotation of this type of machine the LH45 can run infield in areas of timber harvesting operations saving material handling and processing operations.

Built around the CAT® 745C ADT long wheel base one-piece chassis, and featuring an articulated trailer, the LH45 enables operators to transport harvested logs to a primary depots at a far greater longer average distances than conventional forwards. The LH45 travels at a far higher average speed than any other existing methods of log transport to move product directly to the areas where material can be processed. With a combined payload of 70 tonnes and 154 cubic meters capacity, the LH45 gives operators the best way to maximize productivity and reduce costs.

## FEATURES

Built on CAT® 745C long wheel base chassis which incorporates the CAT® C18 engine that is rated at 496 net horsepower.

The LH45 has a top speed of 49 km/h which will mean faster cycle times. Automatic traction control eliminates wheel slip for maximum traction and therefore increased productivity. The LH45 has all-axle wet brakes on the LH45 and trailer.

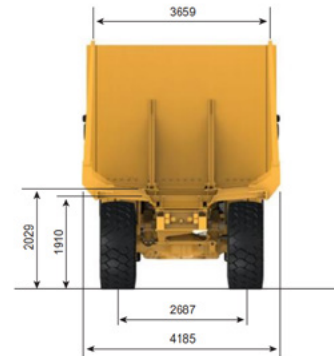
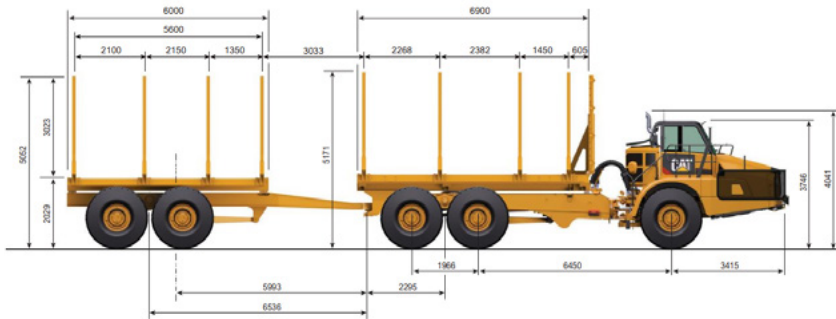
With the three-point front suspension with its oscillating axle and low-pressure ride struts, combined with the center mounted cab, the LH45 offers unrivaled levels of ride comfort for the operator in all driving conditions. The operator remains comfortable and productive throughout the day.

The bunk assembly of the LH45 and trailer is constructed from Hardox steel giving maximum life, and incorporates as many Caterpillar components as possible in the trailer design. These Caterpillar components include axles and brake groups, full suspension taken from CAT® 745 ADT, wheel hubs and tires, lighting groups and hardware.

Generous dimensions of the bunks on the LH45 and trailer allow for maximum safe loads of harvested loads to be transported. The LH45 and trailer incorporates the Hytrack TPMS system that monitors the units tire temperatures and pressures in real time helping to increase site safety, reduce fuel spend and increase tire life through effective tire maintenance.

Also incorporated is the Hydex Weight Monitoring System that weighs the loads on the LH45 and trailer separately using load cells positioned along the chassis of the LH45 and trailer. The in-cab display shows the total weight carried on the LH45 and the trailer as well as a combined total weight. All information can be printed on the in-cab printer and stored on the system's heavy duty USB storage key.

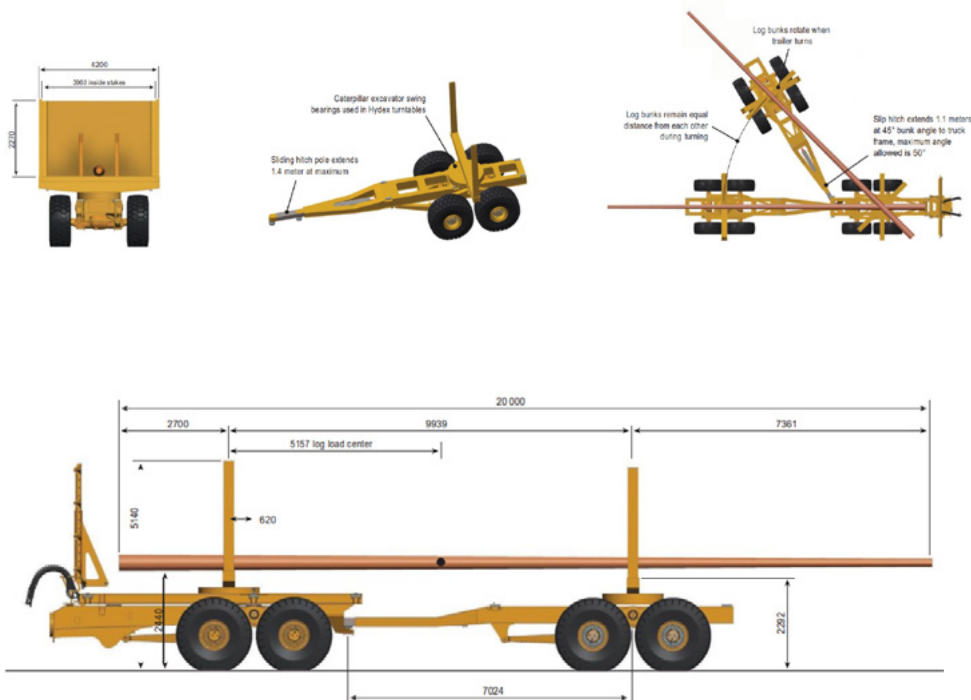
The LH45 and trailer meets the requirements for CE marking where applicable, and of course is sold, fully serviced and supported by your local CAT® dealer.





## TREE LENGTH OPTION

- Designed to carry 20 meter logs with butt towards front of the machine.
- Incorporates a sliding hitch arrangement.
- Tree length option can be added to LH45 with trailer as an option.  
20 000 2700 9939 7361 5157 log load center 620 7024
- Hydraulic cylinder in trailer hitch is used to retract trailer prior to loading logs and hold closed the slip hitch during empty travel.
- Trailer can articulate up to 50 degrees to the longitudinal center line in plan view.



## WEIGHT MEASUREMENT SYSTEM

The Hydex weight system is fitted as standard equipment on all LH45 log haulers and trailers. The system monitors the loading cycle in real time using load cells along the chassis of the LH45 and trailer, so machine capacity can be fully utilised, while avoiding the dangers of overloading. An in-cab display shows the weight of the load in the bunk of the LH45 and also shows separately the weight carried in the bunk of the trailer. The combined weight is also shown. This information is downloaded onto a heavy duty USB storage key and can be printed on an in cab printer. This Hydex system saves the operator time and money by eliminating the need to use a weigh bridge and it also increases safety of the site.



## HYTRACK TIRE MONITORING SYSTEM

HyTrack is a tire monitoring system that is fitted as standard equipment to the LH45 and trailer. The system provides a rugged and reliable solution with a range of features that allow the operators to track their vehicles tire temperature and pressure, speed, braking and location of the vehicle in real-time that can be monitored from the operators central office.

Early warnings of potential problems or hazards are shown on the in cab display and are sent via real time email/SMS alerts to the site supervisor and site office. Tire sensors are fitted in each tire so doing away from the hazards of exterior damage from logs etc. This live data allows swift remedial action to be taken, which can be the difference between safe operation and a major incident. By ensuring the vehicle's tires are operating within recommended temperature and pressure limits. HyTrack brings increased levels of safety to both the vehicle operators and the technicians that work on them.





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## Related Products



### Water Tanks

The Hydex WT range is a complete line of water trucks from Hydex Solutions Ltd. More than just a water tank, it's a water truck; an integrated machine designed for dust suppression on the most demanding mining, quarrying and construction sites.



### Sideboards

The Hydex side extension modification has been designed to offer increased capacity to the standard CAT® articulated truck dump body. These extensions can be used to improve your application by reducing spoil spillage when carrying a standard sized load or increasing the volumetric capacity if a lighter material is being carried.



### High Capacity Bodies

The HYDEX HCT30 is designed for hauling waste on to and around landfill sites. Based on the Cat 730 Articulated Truck chassis offering proven reliability and durability, high class performance and productivity, optimum payload, operator comfort and ease of operation.