



DRIVER ASSIST SOLUTIONS

- Intelligent engineering by Hyster®

OBJECT DETECTION SYSTEM



- The object detection system is an aid to the operator to alert them of potential hazards nearby, whether an object or person.
- It is equipped with four Ultra sonic sensors, two rearward sensors, and two side sensors and an audible and visual display mounted on the R/H/F OHG leg.
- The side sensors only become active when the machine is in a stationary condition and traction is selected in either direction, and will prevent the machine from moving if a hazard is detected within the programmable detection zone.

- If a hazard is detected, this will be indicated by an audible tone and the display will show an SL or SR (Side Left Side Right), to enable the operator to move the truck they will first have to depress and hold the green acknowledgement button mounted on the rear grab handle, once the machine is in motion the operator can release the button.



- Increased driver awareness of area around vehicle.
- Prevents 'side-swing' into objects or hazards from stationary.
- If the machine is stationary and a hazard is detected behind the machine, the truck will be prevented from moving until the operator presses the acknowledgment button on the rear grab handle.
- There are three programmable zones with a range up to eight meters.



OBJECT DETECTION SYSTEM



- The rearward sensors only become active when reverse direction is selected
- From a stationary position, if an object is detected then the truck will be prevented from moving backwards. The truck can still move forwards in this condition.
- To move backwards, the driver must override the system using a button to 'acknowledge' the object on the rear drive handle.
- When driving in reverse, the rear sensors detect objects at adjustable distances from the truck, with increasing audible and visual alarms for the three zones of detection (Green/Amber/Red on visual display).
- Reverse speed is limited upon detection of an object. This is adjustable, but our recommendation is that the speed reduces by more than 50% which will provide a third 'physical' warning to the driver that he is approaching an object.
- When the machine detects an object or person in the last zone the display will indicate a solid red warning, and a continuous tone will be heard from the display, the machine will automatically start to brake and the speed will be reduced to a predetermined cut back speed (4Kph), at no time will the truck physically stop.

ROOF DETECTION SYSTEM



- It is now possible to switch between a programmable high and low speed automatically by utilizing RADAR sensing to detect ceiling heights up to 15M, when entering a building.
- Roof detection allows the speed of the truck to be limited when entering a building.
- Using Radar, the system detects when the truck is underneath a ceiling.
- When a ceiling is detected, the truck is limited to a pre-selected speed.



LOAD OVERLOAD SYSTEM

- The industrial weighing system gives the driver confidence when lifting unknown loads.
- The system uses an array of sensors to measure both the mass and load centre of a load.
- Using this data, the system is able to display the truck stability.
- Provides both audible and visually information to the operator on the actual load weight being lifted, and the machine stability.
- Sensitive to both load centre points on forks and the angle of the mast.
- Information to operator:

When the back light is GREEN, both weight and load centre within rated capacity of the machine.

When the back light turns RED and the audible warning alarm is sounding, but the LEDs are GREEN, the load being lifted is beyond the rated capacity of the machine.

When the back light turns RED and the audible warning is sounding, and the LEDs are also RED, the load centre is too far forward, and the machine is in danger of tipping.



LIGHT OPTIONS

- Hazard lights, tail lights and front head lights activated by keyswitch.
- Rear work light activated when reversing.



- Integral protection minimizes damage to work lights.
- Mast lights help to illuminate the load area to aid the driver in dark environments.

PEDESTRIAN AWARENESS LIGHTS



- Front and rear blue motion-activated spotlights alert pedestrians that the truck is travelling in a specific direction.
- Red zoning lights on either side indicate to pedestrians the required distance that should be kept from the truck when in motion.

SEATBELT AND DOORS INTERLOCK

- The sequential seatbelt aids in the standardisation of operators wearing a seatbelt when operating the truck.
- The engine will not start unless the operator is on the seat and closes the seat belt and will shut off when the operator opens the seat belt or leaves the seat.
- In normal conditions, the seat belt moves freely to give comfort to the driver. In an emergency, the seat belt is locked to secure the driver.
- Additionally, the cab traction interlock option means that the engine will not start without the cab doors being closed, enforcing proper practice.

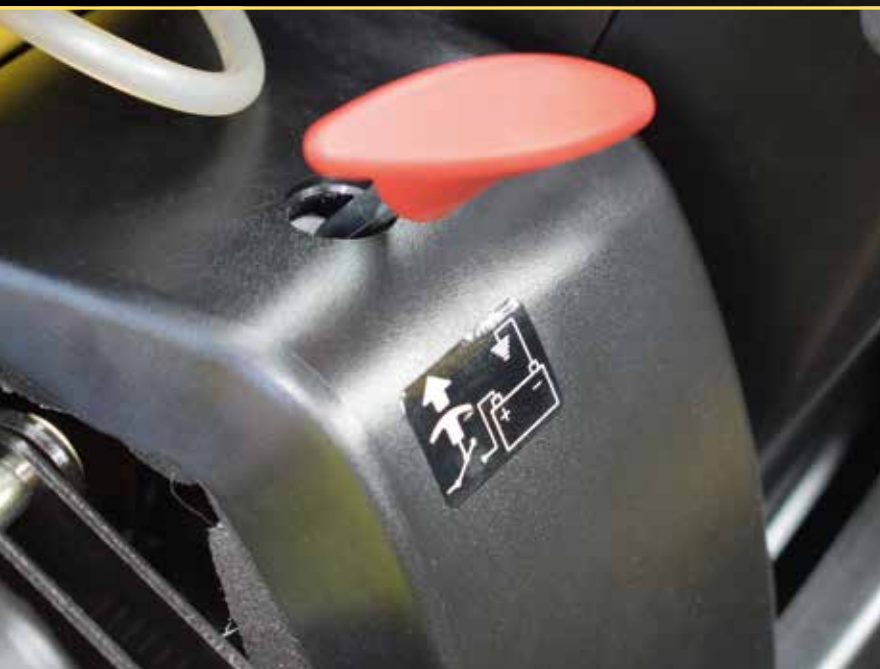


AIR SUSPENSION SEAT



- The Air Suspension Seat is designed to provide exceptional comfort and ride, and built to withstand the roughest of environments.
- Operates with a suspension stroke of 80mm.
- Includes backwards and forwards adjustment and Lumbar Support.

BATTERY DISCONNECT SWITCH



- This switch allows the battery to be disconnected in an emergency or when not in use.
- This helps to prevent the battery from draining and losing charge.
- The operator must open the hood in order to reconnect the battery.



ROLLER BLINDS – FRONT AND TOP

- These two blinds are easily operated and help to reduce the visibility of the driver from being impaired in bright sunlight.

HYSTER TRACKER

- Wireless monitoring records hour meter utilisation, impact events, periodic maintenance tracking, and diagnostic trouble shooting code events.
- Cost of operations data can be entered into the portal to obtain a cost per operating hour result.
- With the wireless access option, the driver must scan a proximity card with the card reader to start the truck. Option can be compatible with either ISO, HID or iClass MiFare proximity cards.
- Adding wireless verification provides a separate interactive display to allow the operator to conduct a customisable pre-shift checklist. All checklist passes and failures are recorded on the Portal for historical record keeping.



OTHER OPTIONS

- WuBump Bumpers absorb collision energy and reduce damage to the truck.
- These are made of resilient copolymers thus returning to their original form after collision.
- Full Underbody Mesh Belly Pan to help minimize debris being sucked into truck.
- The white noise alarm allows the listener to instantly locate where and what direction the sound is coming while creating a sound which is gentle on the ear and dissipates quickly, meaning the alarm can only be heard in the danger zone.
- Dash Mounted 12V Auxiliary Power Outlet.




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