

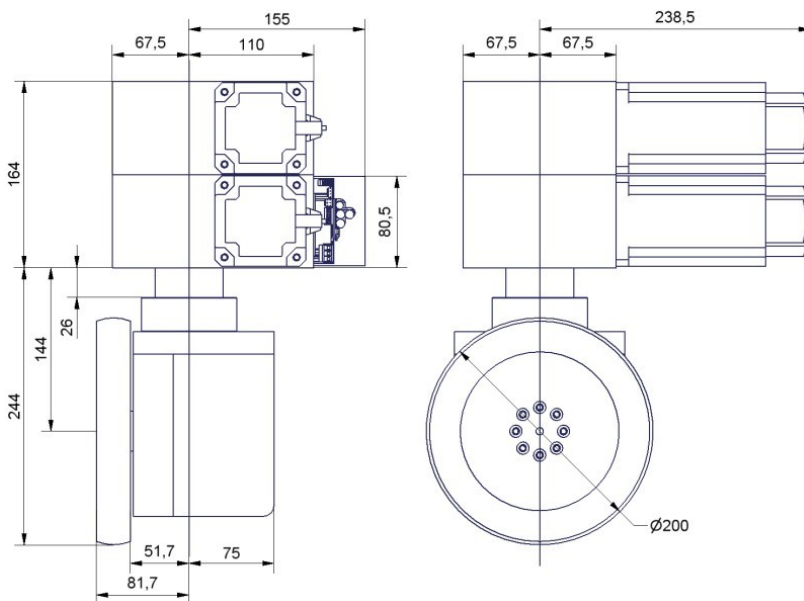
## Omni-Drive-Module HD

**THE OMNI-DRIVE-MODULES HD** enable customers to create a customised, very powerful omnidirectional robot platforms with minimal effort and within a very short time.

**EACH MODULE FEATURES** two independent servo drives. The wheel can turn to face into any direction, allowing a mobile robot to move omnidirectionally. It is even possible to change the robots orientation while driving, which is essential for complex handling and coordination tasks.

**THE OMNI-DRIVE-MODULES** have already proven themselves very successful in several service robotics applications, especially in unstructured and narrow environments. Thanks to the modules' high power at a small space it is possible to design elegant and slim robots with impressive manoeuvrability and very high payload.

**SAFE TORQUE OFF AND ABSOLUTE POSITIONING** make for easy integration, less peripheral components and shortest start-up times.



### INCLUDED IN DELIVERY

- 2 brushless servo motors
- 2 digital drive amplifiers with Safe Torque Off input
- Absolute positioning of orientation axis
- Bearings and gears with lifetime lubrication

### OPTIONS

- Motors on left or right side
- Brakes
- EtherCAT communication
- Customised ground clearance
- Customised modifications

## TECHNICAL DATA

<b>Payload</b>	500 kg
<b>Weight</b>	30 kg
<b>Speed</b>	< 1.1 m/s
<b>Motor power</b>	2 x 450 W
<b>Motor voltage</b>	48 VDC
<b>Auxillary voltage</b>	24 VDC (12 – 95 VDC)
<b>Communication</b>	CANopen, USB