

MOBILE MANIPULATORS



RB-I

Spread out:
Height: 1.029/1.379



XL-GEN

Spread out:
1.478 x 613 x 392



RB-KAIROS

Spread out:
847x663x1.552

Dimensions (mm)			
Weight	54 kg	50 kg	125 kg
Payload Arm	7 DOF: 2,4 kg 6 DOF: 2,6 kg 4 DOF: 4,4 kg	7 DOF: 2,4 kg 6 DOF: 2,6 kg 4 DOF: 4,4 kg	5 kg
Speed	1,45 m/s	3 m/s	3 m/s
Enclosure Class	IP51	IP54	IP54
DOF	12-13 DOF (6 arm, 1-2 gripper, 2 Pan tilt, 2 traction, 1 torso elevation)	11 DOF (6 arm, 3 hand, 2 traction)	10 DOF (6 arm, 1 traction, 3 gripper)
Autonomy	7 h	5-10 h	8 h
Batteries	LiFePO ₄ 30Ah@24V	LiFePO ₄ 15Ah@24V	LiFePO ₄ 15Ah@48V
Traction Motors	2x250 W servomotors	4x250 W brushless servomotor	4x500 W brushless servomotor
Applications	<ul style="list-style-type: none"> •R&D •AAL (Ambiente Assisted Living) •Indoor mobile manipulation •Remote handing 	<ul style="list-style-type: none"> •R&D •Inspection •Medicine •Logistics •Remote monitoring •Access to harsh environments 	<ul style="list-style-type: none"> •R&D •Indoor mobile manipulation