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## Principal dimensions

see Fig. 3-5 to 3-6.

## Weight

KR 6 arc	approx. 235 kg
KR 6 L6 arc	approx. 240 kg

## Volume of working envelope

The reference point is the intersection of axes 4 and 5.

KR 6 arc	9.3 m <sup>3</sup>
KR 6 L6 arc	15.2 m <sup>3</sup>

## Load center of gravity P

see Fig. 3.2

Robot type	Horizontal distance Lz (mm)	Vertical distance Lxy (mm)
KR 6 K	120	100
KR 16 L6 arc	120	100

These values are valid for all rated payloads (Fig. 3-2).

## Principal dynamic loads

see Fig. 1-5

## Mounting flange on axis 6

The robot is fitted with a DIN/ISO mounting flange (Fig. 3-3).

KR 6 arc	DIN/ISO 9409-1-A40
KR 16 L6 arc	DIN/ISO 9409-1-A40

Screw grade for attaching end effector 10.9  
Grip length min. 1.5 x d  
Depth of engagement min. 6 mm  
max. 9 mm

**NOTE:** The flange is depicted with all axes of the robot, particularly axis 6, in the zero position (the symbol  $\downarrow$  indicates the position of the locating element).

## Zero adjustment

For zero adjustment with the electronic probe (accessory) when the tool is mounted, the latter must be designed to allow sufficient space for installation and removal of the probe (Fig. 3-4).

## Drive system

Electromechanical, with transistor-controlled AC servomotors

## Installed motor capacity

KR 6 arc 8.8 kW  
KR 16 L6 arc 8.8 kW

## Protection classification of the robot

IP65 (according to EN 60529), ready for operation, with connecting cables plugged in.

## Protection classification of the in-line wrist

IP65 (according to EN 60529)

## Color of the robot

Base (stationary): black (RAL 9005).  
Moving parts: orange (RAL 2003).

## Sound level

<75 dB (A) outside the working envelope.