

## MOTOMAN SK6-C000 /-C020



Service manual, Robot





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## **Revision**

980915

MOTOMAN Spareparts no. added for bearings.  
(Book-format for framemaker documents).



# MOTOMAN SK6-C000 /-C020

Electric Industrial Robot YR-SK6-C000 /-C020.

European version of English manual TOE-C945-111.1B and HW9481658

## 1. About this manual

Yaskawa's electric industrial robot consist of robot Motoman-SK6-C000 /-C020 and controller YASNAC MRC.

The working station can be completed with external axis, tools, fixtures, other machins, safety guards etc.

***This manual gives instruction about:***

***-Technical specification***

***-Installation***

***-Maintenance***

For the control system YASNAC MRC, see separate instruction.

Instruction for handling of robot and sourrounding equipment, see separate instruction.

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## 2. Machine description

### 2.1 Technical data

For technical data, see separate table in the end of this manual.

### 2.2 Identification

The robot MOTOMAN-SK6 as well as the controller YASNAC MRC are provided with machine signs where the robotnumber is stated, check that these signs has the same number. If not, contact Motoman Robotics AB.

This check is very important if more than one robot will be installed at the same time.

The designations of the different axis are general for MOTOMAN-robots and are found in maintenance schedule, spare part list and instruction.

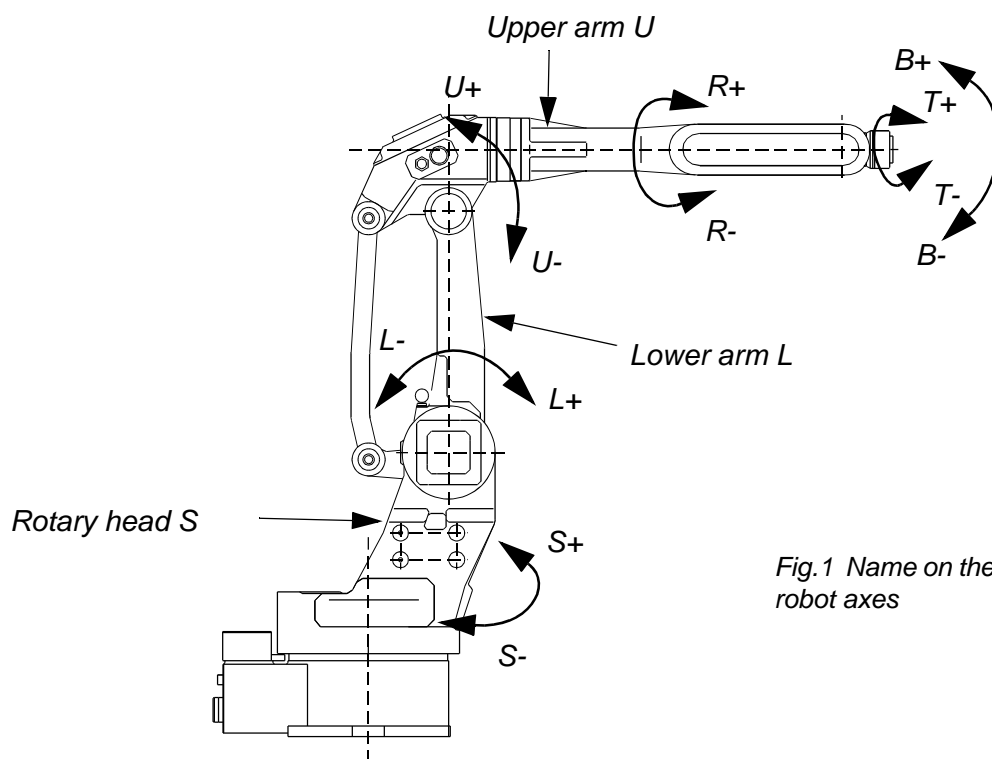


Fig.1 Name on the robot axes

### 2.3 Working area - radial range

For description of working area and dimensions, see separate drawing. MOTOMAN-SK6-C000 drawing no. HW9280639. MOTOMAN-SK6-C020 drawing no. HW9280644.

### 2.4 Working area for axes

The working area for the S-axis can be altered to fit the application. If it is necessary, contact Motoman Robotics AB.

Axes	Working range		Note <sup>1</sup> (limitations)
	max.	min.	
S-axis	+170°	-170°	±170°, ±150°, ±120°, ±90°, ±60°, ±30°
L-axis	+150°	-90°	
U-axis	+90°	-110°	For YR-SK6-C020; +90°, -95°
R-axis	+180°	-180°	
B-axis	+135°	-135°	
T-axis	+320°	-320°	

1. If limitations of the S-axis working area is necessary, contact Motoman Robotics AB.