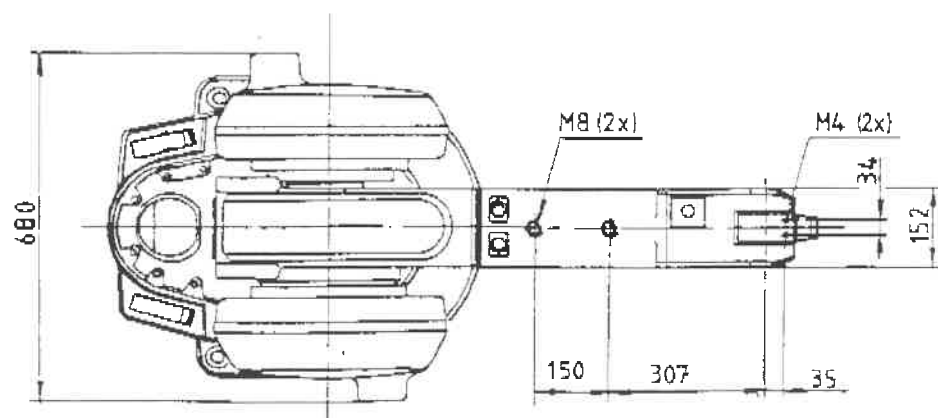
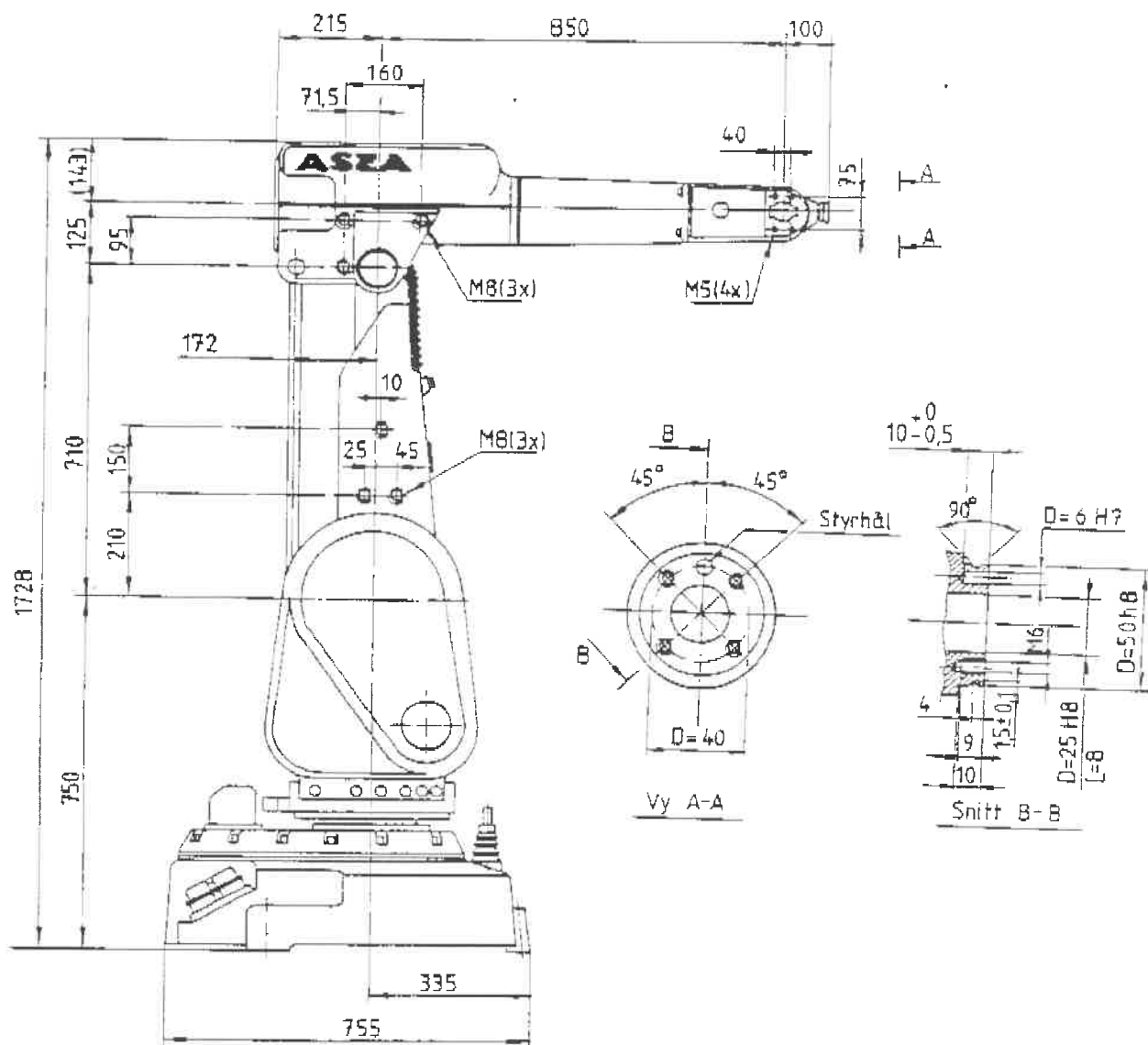


6.3.2 Mättskisser



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Sep 1988

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Beskrivning

IRB 2000

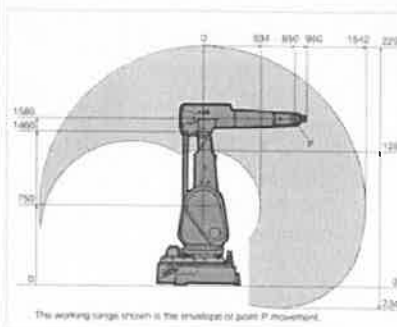


ABB Robotics

ABB
 ASEA BROWN BOVERI

THE IRB 2000

The IRB 2000 robot is slim, sturdy and features good accessibility. It can work at very high speeds and accelerations, and allows a 3 m working range when mounted inverted overhead. Due to AC motors and a proven design, the IRB 2000 requires practically no maintenance.



TECHNICAL DATA

ROBOT - IRB 2000

Number of servo driven axes	6
Handling capacity	10 kg
Repeatability	±0.1 mm
Incremental movement	0.1 mm
Reach (wrist centre)	1542 mm
Working range:	Max. speed:
Axis 1 (G):	±179° 115°/s
Axis 2 (B):	+100° - -110° 115°/s
Axis 3 (A):	±60° 115°/s
Axis 4 (D):	±200° 280°/s
Axis 5 (E):	±120° 300°/s
Axis 6 (P):	±200° 300°/s
Weight	350 kg
Dimensions	755 x 600 mm

VARIANTS

IRB 2000 basic version
 IRB 2000AW for arc welding

CONTROL SYSTEM - S3

Power supply	3-phase, 200-475 V
- voltage alternatives	50 or 60 Hz
- frequency	1700 x 855 x 537 mm
Dimensions H x W x D	300 kg
Weight	Program capacity
	3000 instructions
	Main memory
	21 000 instructions
	Memory battery backup
	typical 5 years
	Inputs/Outputs
	short circuit proof
	galvanically separated
	256
	8
	- max. no. of digital
	- max. no. of analog

SAFETY FUNCTIONS

Safety system	emergency stop, safety
Controls when testing	hold and work hold
	enabling trigger and
	hold to run

SOFTWARE FUNCTIONS

• 20 TCP positions	• Sensor functions
• Application oriented functions	• Register arithmetic
• Displacement function	• Diagnostics

OPTIONAL FEATURES

• Program print out function	• Monitor
• Winchester memory	• Computer link
• Vision system	• One to six external axes