

ESAB CaB 600M

A Modularised Column and Boom for customised weld mechanization

Productivity

In today's industrial development, the rate of productivity has been brought more and more into focus as a decisive parameter for raised profitability. This requires individually adapted production solutions, flexible enough to conveniently switch over, without extensive rebuilding, between a variety of applications. In close co-operation with the welding industry ESAB has created an application oriented Column and Boom range with integrated modular functions in order to meet our customers' demands for purposeful solutions on a competitive market.

Stability and reliability

CaB 600M has a stable and robust design of the profiles and saddle providing large working ranges and heavy load capacity with ample safety margins for reliable operations. Different types of foundations are available; rail carriage (4WD) or concrete stand – to fit any need. The lift drive has a reliable safety factor and is supplied with a security device which, regardless of boom position, immediately locks the boom to prevent unwanted descent in the event of a breakdown. Positioning of the horizontal boom can easily be carried out both in the vertical and horizontal direction. An even and stable welding speed is secured by the rack and pinion drive. The control system has been designed with totally integrated functions; welding head manipulation and operation of the column and boom – of course remote controlled.



Individual solutions

When dressing up the naked column and boom into a complete welding solution, the optional combinations are almost unlimited.

In order to facilitate the selection process to result in a specification based on customer's application, there is a computer aided configuration system available.

Together with the ESAB representative the customer is able to build up his welding solution, i.e. a specification of the modular components to be assembled and installed at the customer's workshop in a most convenient manner.

For all modular components applicable for this column and boom, kindly refer to our range of leaflets available from our representative.

Technical data, Column

Effective working range (m)	6	7	8	9	10
Boom height A (max mm)	7025	8025	9025	10025	11025
using movable carriage (min mm)	1075	1075	1075	1075	1075
Boom height B (max mm)	6950	7950	8950	9950	10950
using concrete stand (min mm)	1000	1000	1000	1000	1000
Total height C (max mm)	8585	9585	10585	11585	12585
using movable carriage					
Total height D (mm)	8510	9510	10510	11510	12510
using concrete stand					
Lifting speed (m/min)	2.0	2.0	2.0	2.0	2.0

Other working ranges of
Column and Booms are available

Technical data, Boom

Effective working range (m)	6	7	8
Extension E max mm	7000	8000	9000
min mm	1000	1000	1000
Permissible loads - total (max kg)	1940	1830	1700
- one end (max kg)	550	400	250
Cross-sectional diameter H (mm)	1000	1000	1000
Welding speed (m/min)	0.1-2.0	0.1-2.0	0.1-2.0
Total weight incl cables (kg)	1050	1165	1280

Technical data, Rail carriage, 4WD

Track width L , inside to inside (mm)	2500
Width x length (mm)	3100 x 2600
Height (mm)	490
Welding speed (m/min)	0.1-2.0
Transport speed (m/min)	2.0
Total weight (kg)	4800

Technical data, Concrete stand

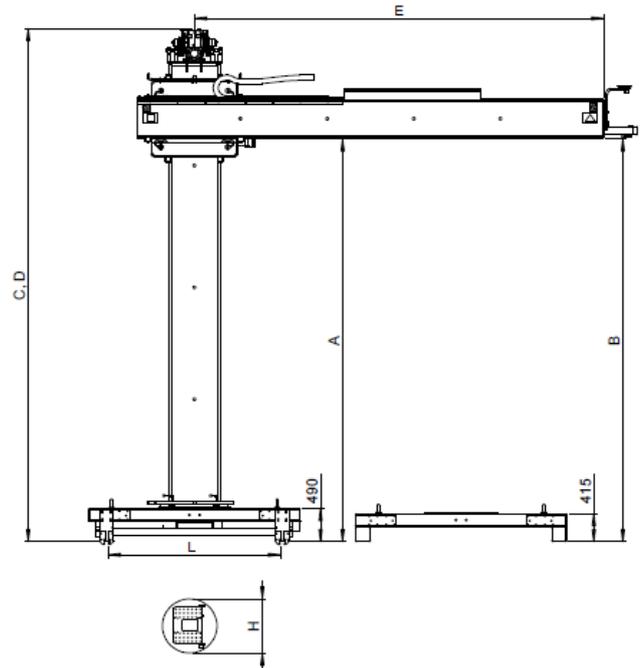
Width x length (mm)	3100 x 2680
Height (mm)	415
Total weight (kg)	4250

Options

There are that many alternatives and options available to choose among in order to compose your welding station as per your individual need. To facilitate this composition we have created a configurator tool by means of which you together with our representative conveniently can procure the correct tailor-made station.

Make a choice of:

Foundations:	Concrete carriage or Concrete stand
Joint trackings:	PAV or GMH
Welding heads:	A2S, A6S, A6S Tandem, twin or single, SAW or GMAW
Power sources:	LAF 631, TAF 801, LAF 1001, LAF/TAF 1251, LAF 1601 including welding cables 95 mm ² or 120 mm ²
Platform:	Single, double and operator platform
Wire equipments:	1-2x30 kg front mounted 1-4x30 kg or 1-4x100 kg rear mounted
Flux handlings:	OPC Super, FFRS Super, FFRS 1200 or FFRS 3000E, Air dryer CRE, TPC 75 with or without heaters and level indicator, Tedak filter
Adapted modules:	Motorised rotation, pneumatic brake, shift function boom - slide travel, warning light, operator chair.
Camera systems:	SAW or GMAW
and more...	



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