

YASKAWA

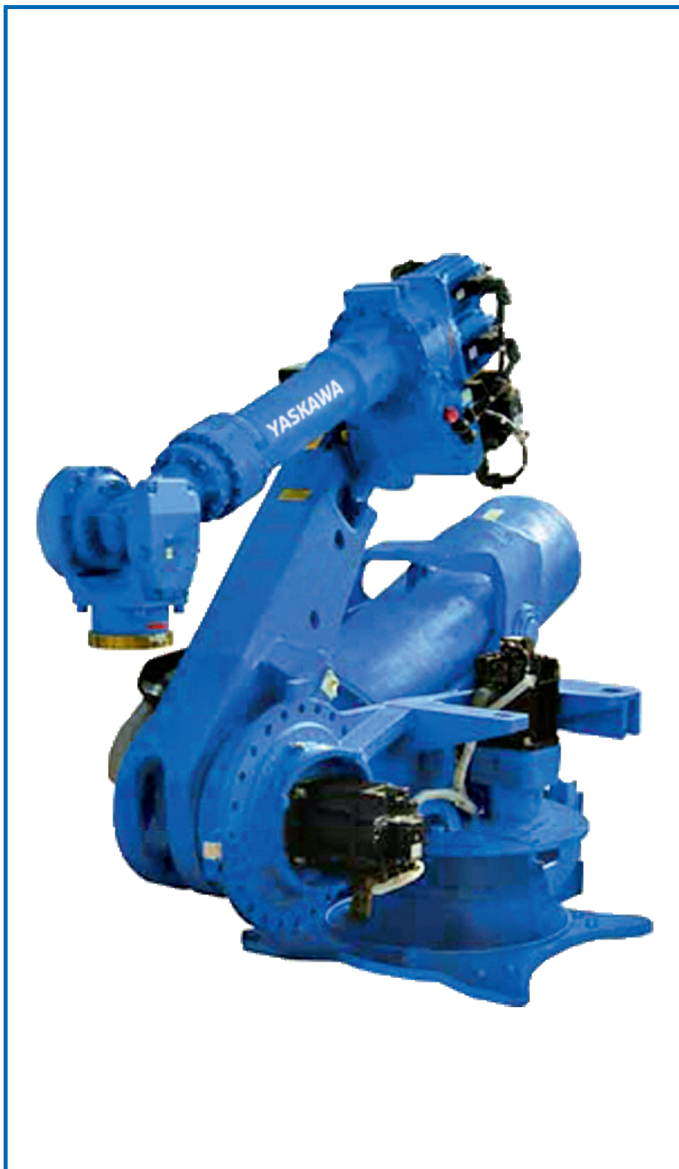
MOTOMAN ES165RD II/ES200RD II

Spot Welding, Handling & General Applications with the ES-series

The flexible MOTOMAN ES165RD II/ES200RD II is a 6-axis shelf-mounted robot. It offers high productivity, reliability and maximum

performance in the areas of handling, machine tending and press brake tending. Being shelf-mounted, it is able to unload work pieces from above. This saves precious floor space and ensures that the space required for tool changing is kept free. Furthermore, the internal cable routing extends the service life of the robots, increases safety and reduces cycle times.

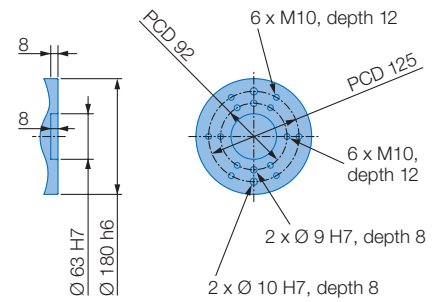
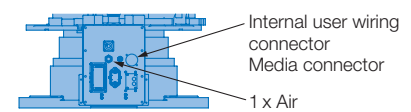
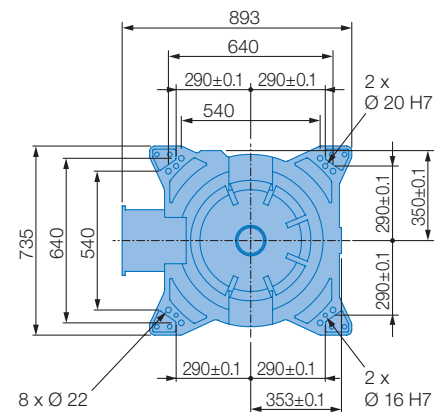
The MOTOMAN ES165RD II/ES200RD II is controlled by the high-performance MOTOMAN DX200 controller. This is available with the optional Functional Safety Unit (FSU) that offers a wide range of new safety functions.



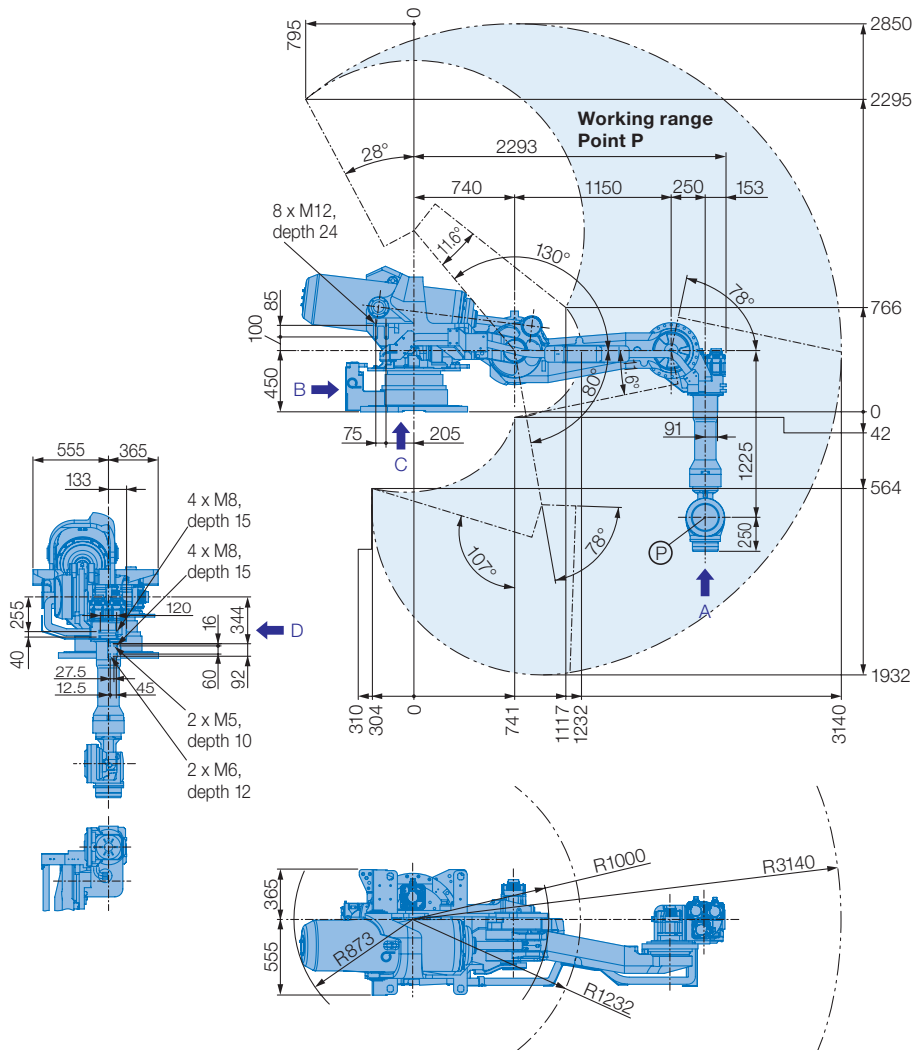
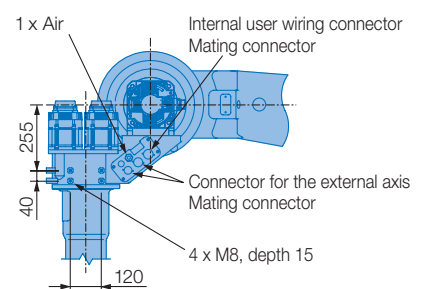
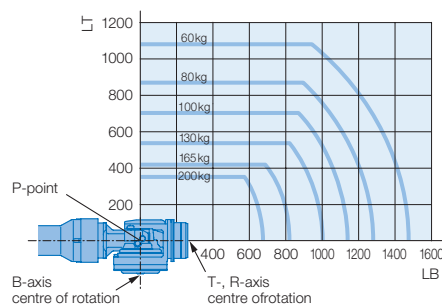
KEY BENEFITS

- Fast, flexible and powerful
- Streamlined design for minimal space requirements
- Shelf-mounted:
 - Working range extended
 - Simple gripping of components
- Possibility of mounting on machine
- Longer service life of the dress package due to internal routing of the cables through the upper arm of the robot
- Improved welding quality due to integrated control system for servomotor-driven spot welding guns

Controlled by
DX200

View A

View B

View C


Mounting option: Floor

View D

Allowable wrist load


All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu – YR-ES200RD II-J00, B-06-2015, A-No. 167095

Specifications ES200RD II

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	6
					Max. payload [kg]	200
S	± 180	90	–	–	Repeat. pos. accuracy [mm]	± 0.2
L	+80/–130	85	–	–	Max. working range R [mm]	3140
U	+208/–107	85	–	–	Temperature [°C]	0 to +45
R	± 360	120	1344	143	Humidity [%]	20 – 80
B	± 125	120	1344	143	Weight [kg]	1800
T	± 360	190	715	80	Power supply, average [KVA]	5

YASKAWA

YASKAWA Headquarters

YASKAWA Europe GmbH
Robotics Division
Yaskawastraße 1
D-85391 Allershausen
Tel. +49 (0) 8166/90-0
Fax +49 (0) 8166/90-103

YASKAWA academy and sales office Frankfurt

YASKAWA Europe GmbH
Robotics Division
Hauptstraße 185
D-65760 Eschborn
Tel. +49 (0) 6196/77725-0
Fax +49 (0) 6196/77725-39

YASKAWA GROUP

- A YASKAWA Austria
Schwechat/Wien
+43(0)1-707-9324-15
- CZ YASKAWA Czech s.r.o.
Rudná u Prahy
+420-257-941-718
- E YASKAWA Ibérica, S.L.
Gavà/Barcelona
+34-93-6303478
- F YASKAWA France SARL
Saint-Aignan-de-Grand-Lieu
+33-2-40131919
- FIN YASKAWA Finland Oy
Turku +358-(0)-403000600
- GB YASKAWA UK Ltd.
Banbury +44-1295-272755
- I YASKAWA Italia s.r.l.
Torino +39-011-9005833
- IL YASKAWA Europe Technology Ltd.
Rosh Ha'ayin +972-3-9004114
- NL YASKAWA Benelux B.V.
EB Son +31-40-2895500
- RUS YASKAWA Nordic AB
Moskva +46-480-417-800
- SE YASKAWA Nordic AB
Torsås +46-480-417-800
- SI YASKAWA Slovenia
Ribnica +386-1-8372-410
- TR YASKAWA Turkey Elektrik
Ticaret Ltd. Sti.
İstanbul +90-216-5273450
- ZA YASKAWA Southern Africa (PTY) Ltd
Johannesburg +27-11-6083182

DISTRIBUTORS

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Sofia +359-02-926-6060
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Lierstranda +47-32240600
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Torun +48-56-6519710
- PT ROBOPLAN Lda
Aveiro +351-234 943 900
- RO Sam Robotics srl
Timisoara +40-720-279-866
- RO MPL Automation S.R.L.
Satu Mare +40 (0) 261 750 741

