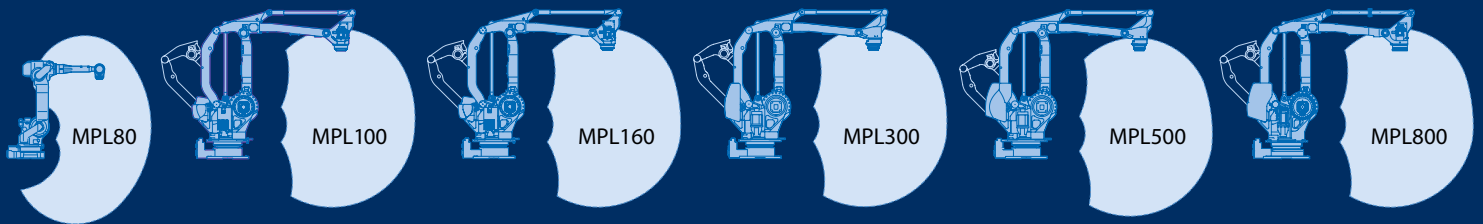


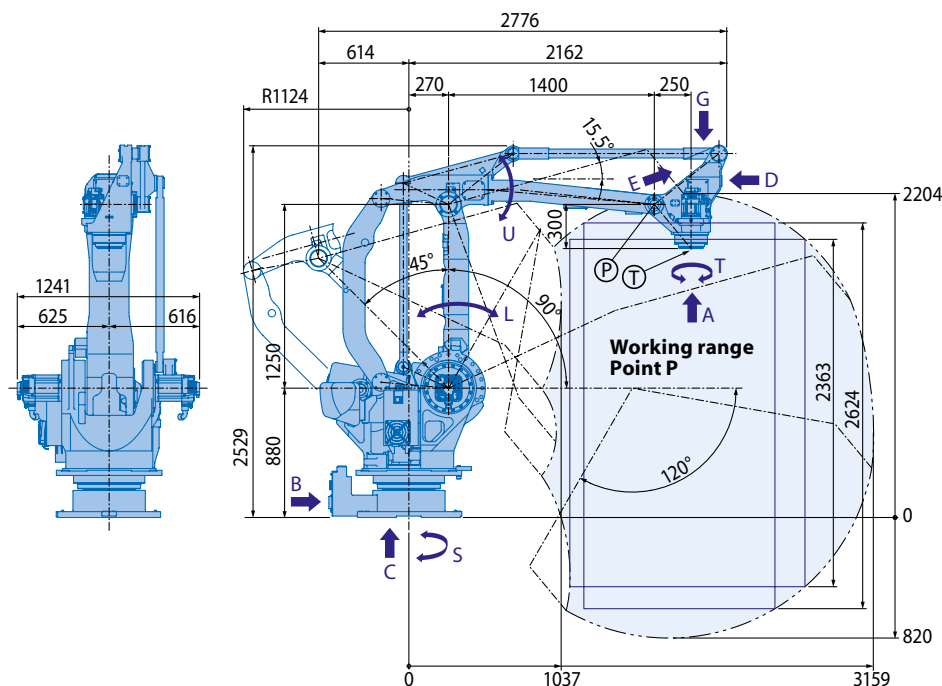


MOTOMAN MPL-series

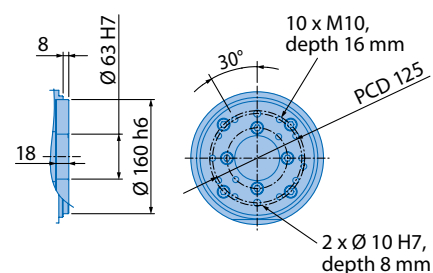


Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]	Controlled axes	5
					Max. payload [kg]	80
S	±180	170	–	–	Repeat. pos. accuracy [mm]	±0.07
L	+135/–90	170	–	–	Max. working range [mm]	R = 2061
U	+251/–170	170	–	–	Temperature [°C]	0 to +45
R	–	–	–	–	Humidity [%]	20 – 80
B	±15*	250	78.4	16	Weight [kg]	550
T	±360	350	20.5	6.1	Power supply, average [KVA]	4

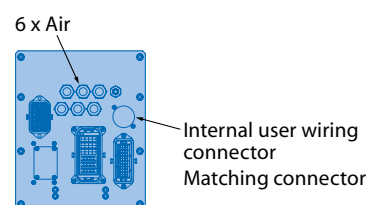
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]	Controlled axes	4
					Max. payload [kg]	100
S	±180	140	–	–	Repeat. pos. accuracy [mm]	±0.5
L	+80/–45	140	–	–	Max. working range [mm]	R = 3159
U	+15.5/–120	140	–	–	Temperature [°C]	0 to +45
R	–	–	–	–	Humidity [%]	20 – 80
B	–	–	–	–	Weight [kg]	1700
T	±360	305	–	80	Power supply, average [KVA]	9.5



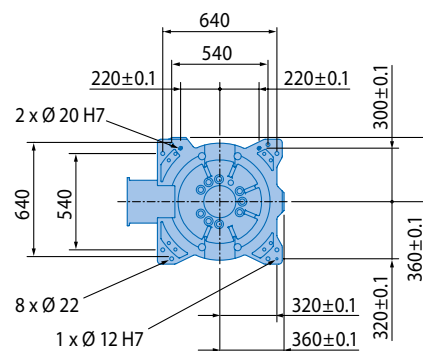
View A



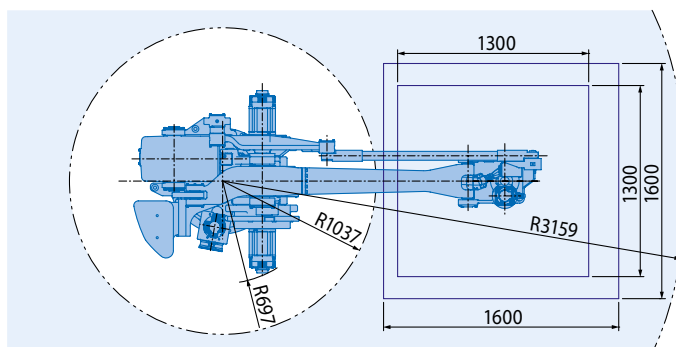
View B



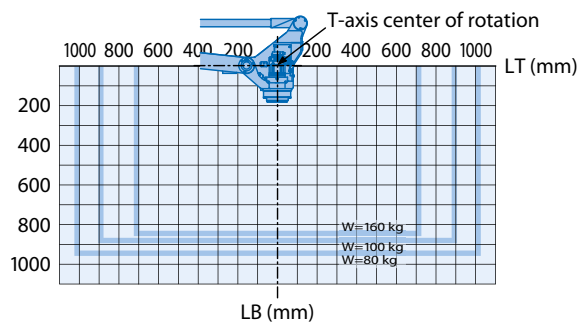
View C



Mounting option: Floor



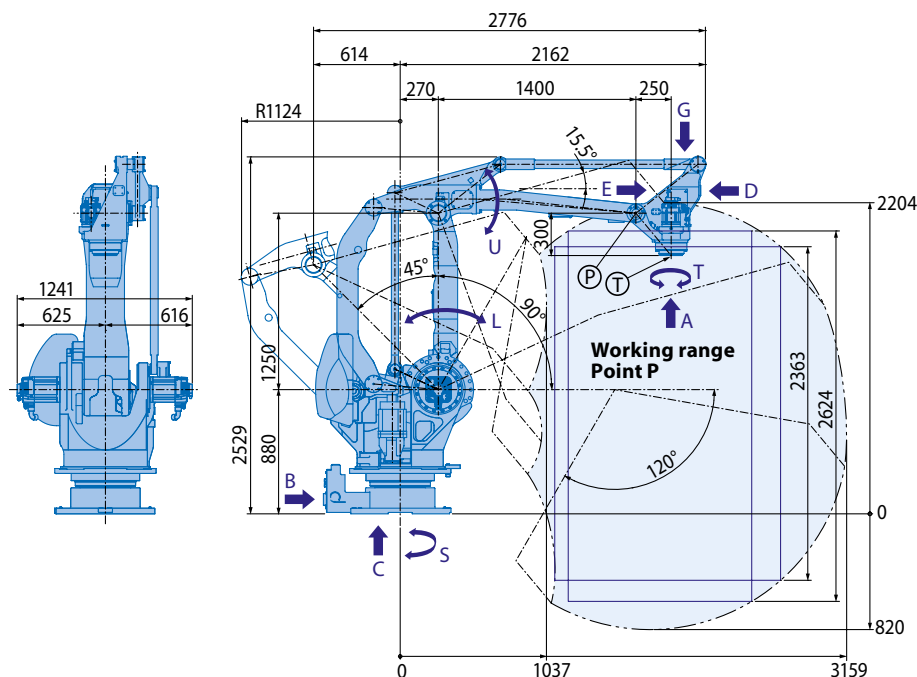
Allowable wrist load



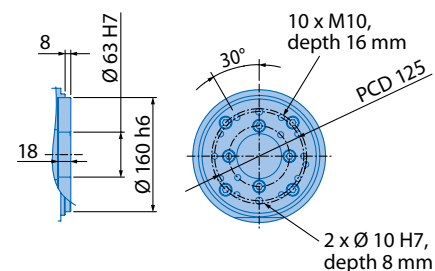
All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com – YR-MPL0160-B04, G-08-2012, A-No. 150308

Specifications MPL160

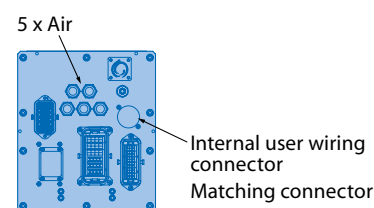
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	
S	±180	140	–	–	Max. payload [kg]	160
L	+90/–45	140	–	–	Repeat. pos. accuracy [mm]	±0.5
U	+15.5/–120	140	–	–	Max. working range [mm]	R = 3159
R	–	–	–	–	Temperature [°C]	0 to +45
B	–	–	–	–	Humidity [%]	20 – 80
T	±360	305	–	80	Weight [kg]	1700
					Power supply, average [KVA]	9.5



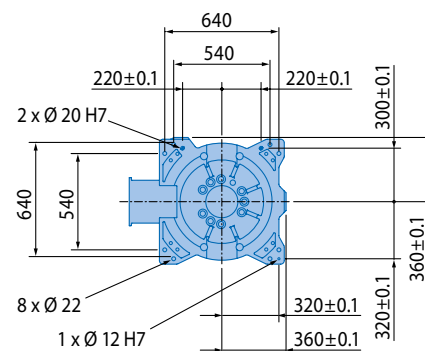
View A



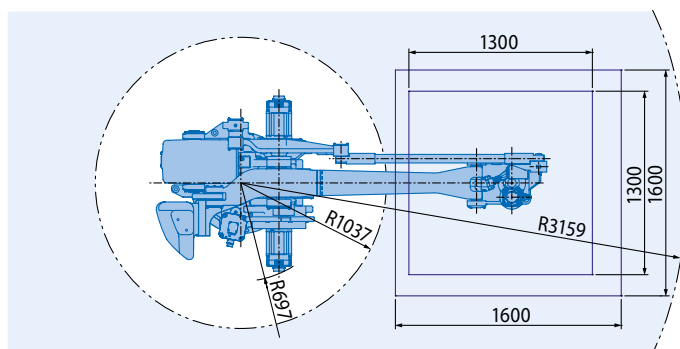
View B



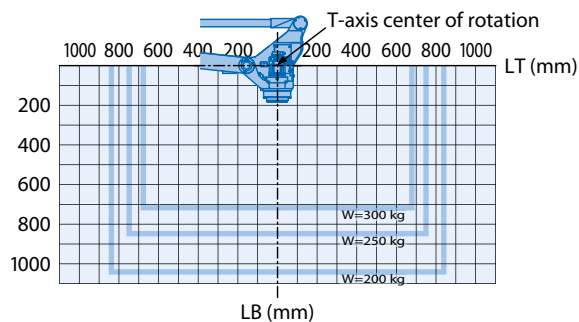
View C



Mounting option: Floor



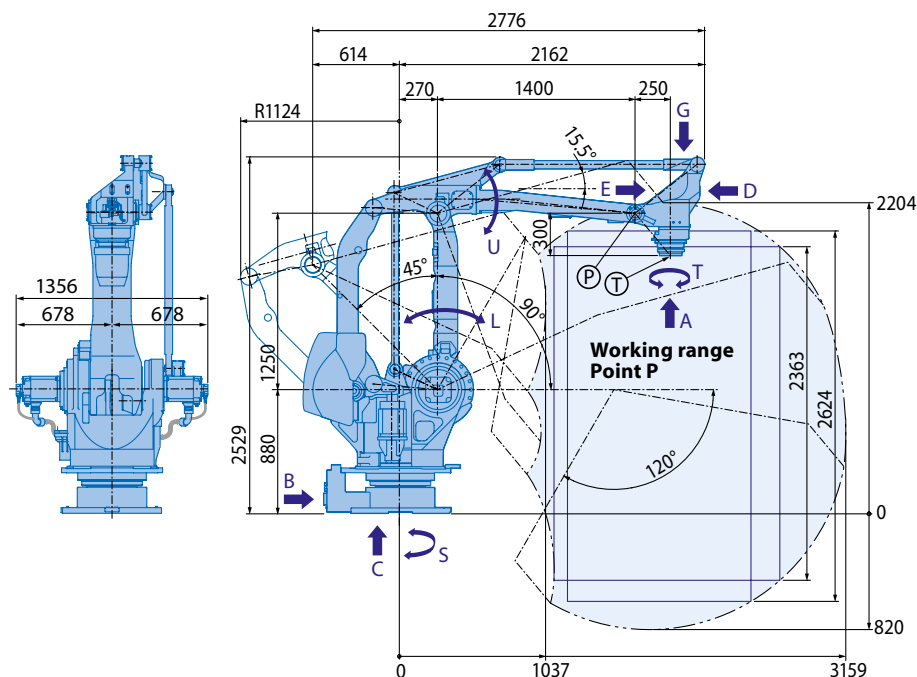
Allowable wrist load



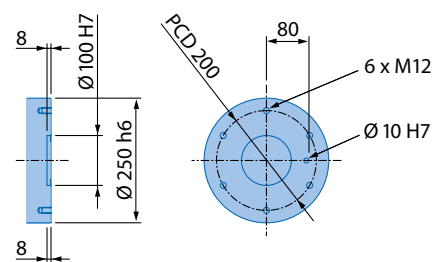
All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com – YR-MPL0300-B04, G-08-2012, A-No. 150308

Specifications MPL300

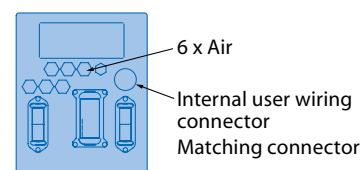
Axes	Maximum speed [°/sec.]	Maximale Geschwindigkeit [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	
S	±180	90	–	–	Max. payload [kg]	4
L	+90/–45	100	–	–	Repeat. pos. accuracy [mm]	300
U	+15.5/–120	110	–	–	Max. working range [mm]	±0.5
R	–	–	–	–	Temperature [°C]	R = 3159
B	–	–	–	–	Humidity [%]	0 to +45
T	±360	195	–	140	Weight [kg]	20 – 80
					Power supply, average [KVA]	1820
						9.5



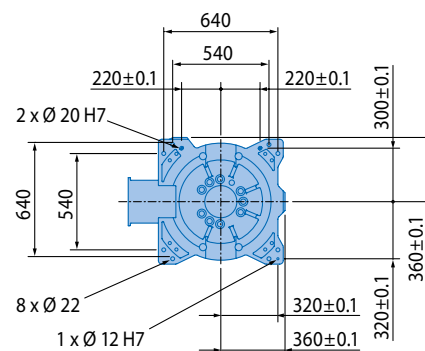
View A



View B

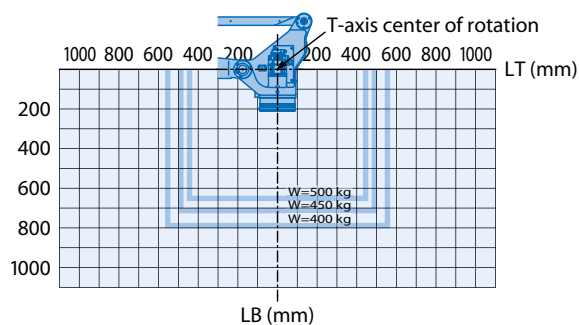


View C



Mounting option: Floor

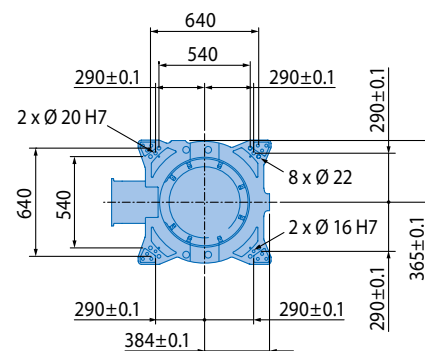
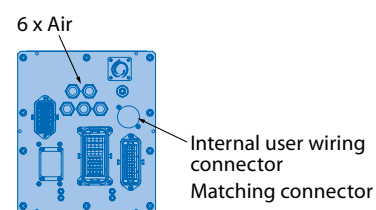
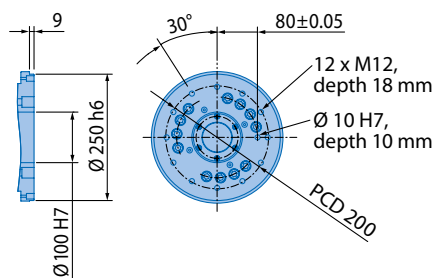
Allowable wrist load



All dimensions in mm | Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com – YR-MPL0500-B04, G-08-2012, A-No. 150308

Specifications MPL500

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m ²]	Controlled axes	
S	±180	80	–	–	Max. payload [kg]	500
L	+90/–45	85	–	–	Repeat. pos. accuracy [mm]	±0.5
U	+15.5/–120	85	–	–	Max. working range [mm]	R=3159
R	–	–	–	–	Temperature [°C]	0 to +45
B	–	–	–	–	Humidity [%]	20 – 80
T	±360	195	–	200	Weight [kg]	2300
					Power supply, average [KVA]	11



Technical drawing of the 3000 Series Outboard Motor. The drawing includes a side view on the left and a top view on the right. The side view shows the motor's profile with a maximum width dimension of $R1037$ and a base width dimension of $R868$. The top view shows the motor's footprint with overall dimensions of 1300 (width) and 1600 (length). A detail view of the lower unit is shown on the right, with a radius dimension of $R3159$.



Specifications MPL800

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]	Controlled axes	4
					Max. payload [kg]	800
S	±180	65	–	–	Repeat. pos. accuracy [mm]	±0.5
L	+90/–45	65	–	–	Max. working range [mm]	R = 3159
U	+15.5/–120	65	–	–	Temperature [°C]	0 to +45
R	–	–	–	–	Humidity [%]	20 – 80
B	–	–	–	–	Weight [kg]	2550
T	±360	125	–	550	Power supply, average [KVA]	10

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