



Technical Data:

Size:	P20.850	P30.1400	P40.600	P60.1800	P80.800	P120.1200
Type:	Long Arm (P40.)	Long Arm (P80.)	Standard Arm	Long Arm (P120.)	Standard Arm	Standard Arm
Weight:	16.0 kg	23.0 kg	14.5 kg	34.0 kg	19.5 kg	30.5 kg
Nominal Payload:	2.0 kg	3.0 kg	4.0 kg	6.0 kg	8.0 kg	12.0 kg
Joint Rotation Limits:	Multi-turn	Multi-turn	Multi-turn	Multi-turn	Multi-turn	Multi-turn
Max. Joint Speed:	110 °/s	110 °/s	110 °/s	110 °/s	110 °/s	110 °/s
Repeatability:	+/- 0.10 mm	+/- 0.10 mm	+/- 0.10 mm	+/- 0.10 mm	+/- 0.10 mm	+/- 0.10 mm
Degrees of Freedom:	6 Revolute Joints	6 Revolute Joints	6 Revolute Joints	6 Revolute Joints	6 Revolute Joints	6 Revolute Joints
RoboCommander®	6-DOF, integrated	6-DOF, integrated	6-DOF, integrated	6-DOF, integrated	6-DOF, integrated	6-DOF, integrated
Supply Voltage:	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Communication:	CAN	CAN	CAN	CAN	CAN	CAN
Protection Class:	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Ambient Temperature Range:	0°C -50°C	0°C -50°C	0°C -50°C	0°C -50°C	0°C -50°C	0°C -50°C
Mounting Orientation:	Any Desired	Any Desired	Any Desired	Any Desired	Any Desired	Any Desired
Height of Base A:	175.0 mm	185.0 mm	175.0 mm	200.0 mm	185.0 mm	200.0 mm
Arm Length B:	397.0 mm	665.0 mm	280.0 mm	915.0 mm	380.0 mm	610.0 mm
Arm Length C:	453.0 mm	735.0 mm	320.0 mm	885.0 mm	420.0 mm	590.0 mm
Flange Distance D:	177.0 mm	177.0 mm	177.0 mm	190.0 mm	177.0 mm	190.0 mm
Vertical Reach E:	850.0 mm	1400.0 mm	600.0 mm	1800.0 mm	800.0 mm	1200.0 mm
Horizontal Reach F:	800.0 mm	1350.0 mm	550.0 mm	1750.0 mm	750.0 mm	1150.0 mm