

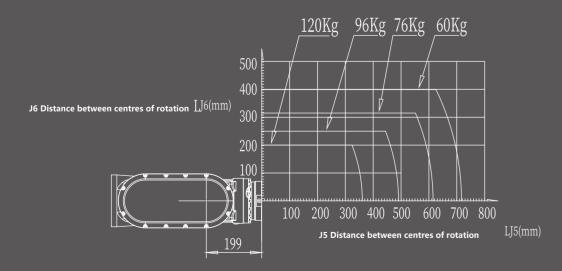
working range, advanced servo control technology, and an extremely rigid arm, significantly reducing cycle times and ensuring high productivity.

SF MIMETIC is a complete solution for medium payload class industrial robots to secure your future planning and production investment. From 20 kg up to 120 kg of fine load breakdown.

It is the perfect solution to ensure accuracy and production quality. Whether handling, machine loading/unloading, painting, stamping, palletizing, grinding, picking/packing, or assembly/distribution. In addition, you will have the freedom to choose the robot corresponding to your actual needs for greater efficiency and economic benefits.

All SF MIMETIC series are equipped with LIKEPRECISION technology, the ultra-precise RV Precision Gearbox, which enables the robot to take full advantage of its advantages even at high operating speeds.

Applications PC <u>+</u> Machine Assembly/ Spraying Glazing Gluing Picking/Packing Stamping



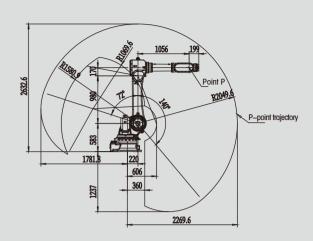
SF120-C2269 Wrist load torque chart

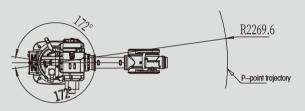
Note: The centre of gravity point of the load should be within the wrist torque diagram when in use

SF120-C2269 Data Overview

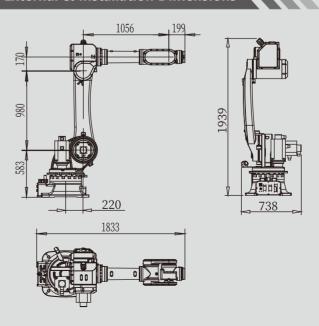
Number of Axis 6	Model		SF120-C2269
Radius	Structure		Vertically Articulated
Payload 120kg Repeatability ±0.08mm Drive Mode AC Servo Motor Maximum J2 110° /s J3 120° /s Speed J4 162° /s J5 180° /s J6 200° /s Range of J3 +172° /-140° J2 +72° /-140° H00° /-78° +160° /-78° Motion J4 ±360° J4 360N.M Allowable J5 360N.M Moment J6 186N.M Allowable J5 52kg.m2 J6 26kg.m2 Protection Rating IP 65 Temp. 0-45°C Operating Humidity Below 95%RH Conditions Vibration Below 4.9m/s2 Other Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle	Number of Axis		6
Repeatability	Radius		2269mm
Drive Mode	Payload		120kg
Maximum	Repeatability		±0.08mm
Maximum J2 110° /s Speed J4 162° /s J5 180° /s 200° /s J6 200° /s Range of J3 +172° J2 +72° /-140° +160° /-78° Motion J4 ±360° J5 +120°/-120° J6 ±360° J4 360N.M Moment J6 186N.M Allowable Is J5 52kg.m2 Inertia J5 52kg.m2 Protection Rating IP 65 Temp. 0-45°C Operating Humidity Below 4.9m/s2 Conditions Vibration Below 4.9m/s2 Eliminate Signal Noise 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle	Drive Mode		AC Servo Motor
Second State		J2 J3 J4 J5	110° /s 120° /s 162° /s 180° /s
Allowable J5 360N.M Moment J6 186N.M Allowable J4 52kg.m2 Inertia J5 52kg.m2 Protection Rating IP 65 Temp. 0-45°C Operating Humidity Below 95%RH Conditions Vibration Below 4.9m/s2 Other Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle	_	J2 J3 J4 J5	+72° /-140° +160° /-78° ±360° +120°/-120°
Allowable Inertia J5 J6 S2kg.m2 Protection Rating IP 65 Temp. 0-45°C Operating Humidity Below 95%RH Conditions Vibration Below 4.9m/s2 Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle		J5	360N.M
Temp. 0-45°C Operating Humidity Below 95%RH Conditions Vibration Below 4.9m/s2 Other Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle		J5	52kg.m2
Operating Humidity Below 95%RH Conditions Vibration Below 4.9m/s2 Other Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle	Protection Rating		IP 65
Conditions Vibration Below 4.9m/s2 Other Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle		Temp.	0-45°C
Other Eliminate Signal Noise Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle	Operating	Humidity	Below 95%RH
Base Size 578*573mm Height 1939mm Weight 720KG Mounting Positions Any angle	Conditions	Vibration	Below 4.9m/s2
Height 1939mm Weight 720KG Mounting Positions Any angle		Other	Eliminate Signal Noise
Weight 720KG Mounting Positions Any angle	Base Size		578*573mm
Mounting Positions Any angle	Height		1939mm
•			720KG
			Any angle
Power Consumption 5.5kVA	Power Consun	nption	5.5kVA

SF120-C2269 Range of Motion

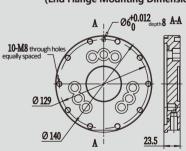




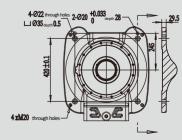
External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Fiagram (Base Mounting Dimensions)



54